

10769

Original

10769

10769

Form 504	
U. S. DEPARTMENT OF COMMERCE	
COAST AND GEODETIC SURVEY	
DESCRIPTIVE REPORT	
Type of Survey	Planimetric
Field No.	Office No. T-10769
LOCALITY	
State	Mississippi
General locality	Mississippi Sound
Locality	Pascagoula Channel
19 58-1962 1959	
CHIEF OF PARTY	
R. F. Lanier, Chief of Field Party	
A. L. Wardwell, Tampa District Office	
LIBRARY & ARCHIVES	
DATE	

USCOMM-OC 5087

DESCRIPTIVE REPORT - DATA RECORD

T - 10769

Project No. (II): 5704

Quadrangle Name (IV):

Field Office (II): Pascagoula, Miss.

Chief of Party: R. F. Lanier

Photogrammetric Office (III): Tampa, Florida

Officer-in-Charge: Arthur L. Wardwell

Instructions dated (II) (III): Field: 23 June 1958
Field Supplement 1 : 10 Feb. 1959
Field Supplement 2 : 17 Aug. 1959
Office: 17 April 1959
Office Supplement 1: 17 Aug. 1959
Office Supplement 1: 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): Inapplicable

Scale Factor (III): None

Date received in Washington Office (IV): 1-29-60
(FINAL - APRIL 30, 1968)

Date reported to Nautical Chart Branch (IV):

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): PRIEST 1935

Lat.: 30° 19' 23.716"

Long.: 88° 30' 04.806"

Adjusted
~~Unadjusted~~

Plane Coordinates (IV):

State: Mississippi Zone: East

Y= 238,928.26

X= 604,751.82

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): W. M. Reynolds

Date: Feb. 1959

Planetable contouring by (II): Inapplicable

Date:

Completion Surveys by (II): NO FIELD EDIT

Date:

Mean High Water Location (III) (State date and method of location): Shoreline field inspection
Feb. 1959

Projection and Grids ruled by (IV): R. R. Wagner (Tampa)

Date: Apr. 1959

Projection and Grids checked by (IV): M. M. Slavney (Tampa)

Date: Apr. 1959

Control plotted by (III): R. R. Wagner

Date: Apr. 1959

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

Date: Apr. 1959

Radial Plot or Stereoscopic

Date: May 1959

~~Center extension~~ by (III): R. R. Wagner

Planimetry

Date:

Stereoscopic Instrument compilation (III):

Contours

Date:

Manuscript delineated by (III): R. J. Pate

Date: May 1959

Manuscript scribed by: R. J. Mechliniski

Nov. 1959

Photogrammetric Office Review by (III): R. R. Wagner

Date: May 1959

Elevations on Manuscript

Date:

checked by (II) (III): Inapplicable

DESCRIPTIVE REPORT - DATA RECORD

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Camera (kind or source) (III): C&GS 9-lens camera

Number	Date	PHOTOGRAPHS (III) Time	Scale	Stage of Tide
59089	Oct. 1958	Not available	1:10,000	
59090	"	" "	"	

Predicted
Tide (III)

Reference Station: Pensacola
Subordinate Station: Pascagoula River ent.
Subordinate Station:

Diurnal

Ratio of Ranges	Mean Range	Spring Range
	1.3	
	1.6	

Washington Office Review by (IV): *Leo F. Beugnet, 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): .1

Shoreline (More than 200 meters to opposite shore) (III): .4

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

Control Leveling - Miles (II): None

Number of Triangulation Stations searched for (II): None

Recovered: None

Identified: 5*

Number of BMs searched for (II): None

Recovered:

Identified:

Number of Recoverable Photo Stations established (III): None

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

Remarks: *5 Aids located at the time of field work. Form 525b nor 152 was
submitted for PASCAGOULA CHANNEL DAYBEACON 20, 1958

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T-10769

COMPILATION RECORD

COMPLETION DATE

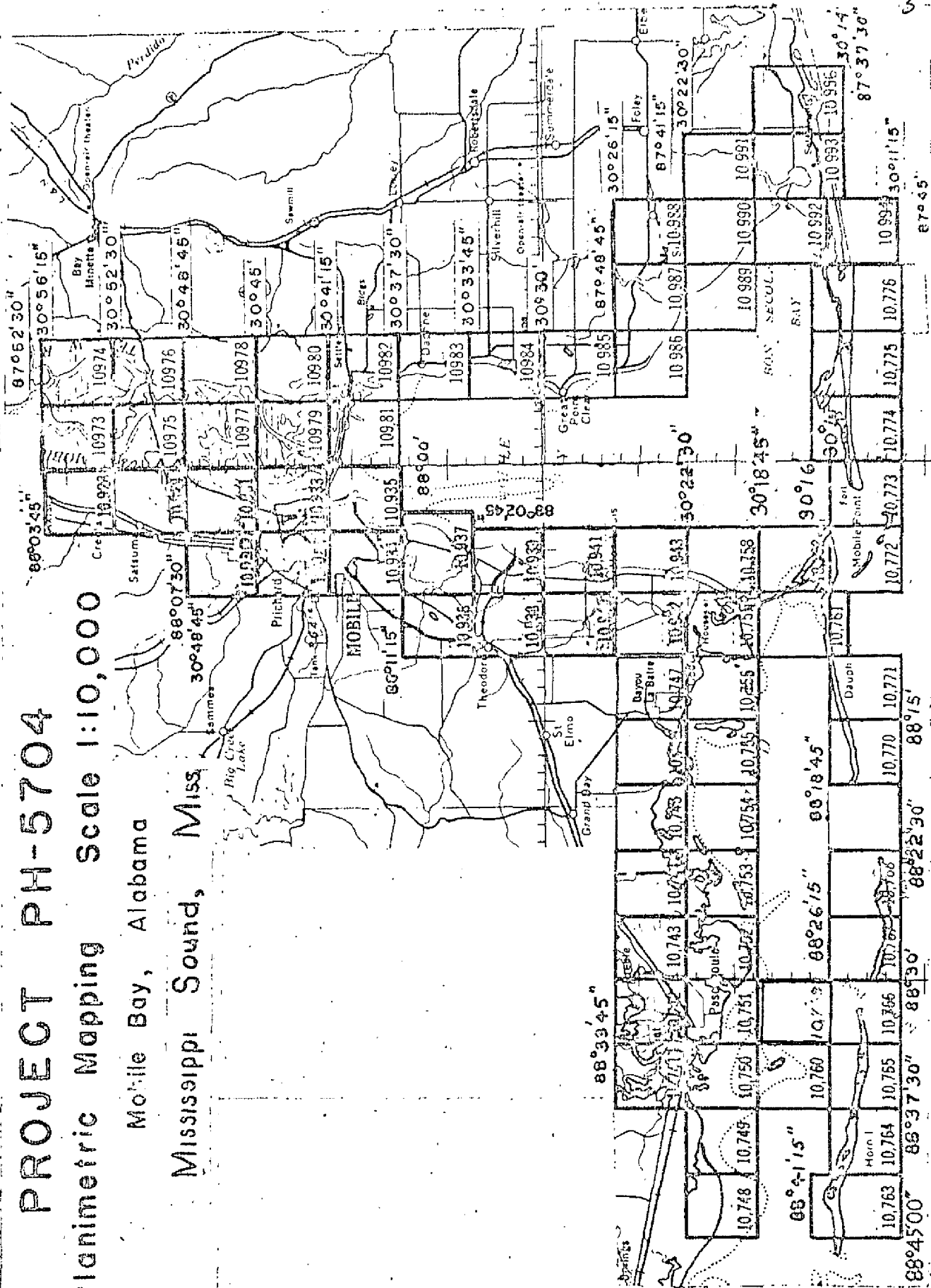
REMARKS

Compiled	May 1959	
Field Edit	April 1962	
Final Review	Jan. 1968	

PROJECT PH-5704

Planimetric Mapping Scale 1:10,000

Mobile Bay, Alabama
Mississippi Sound, Miss



SUMMARY TO ACCOMPANY
DESCRIPTIVE REPORT T-10769

Planimetric Survey T-10769 is one of seventy-four similar surveys in Project PH-5704. It covers a part of Mississippi Sound to the south of the town of Pascagoula. There is no land area in the survey except for the spoil banks along Pascagoula and Bayou Casotte Channels.

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

Compilation was at 1:10,000 scale by graphic methods using the 1:10,000 scale 9-lens photograph of October 1958. Specially prepared photographs along with cronaflex copies of the manuscript and ozalid copies were furnished for preparation of the hydrographers boat sheet, location of photo-hydro signals and for field edit purposes.

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-10763 through T-10769
PROJECT Ph-5704

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, 57L2279 through 57L2281, 57L2288 through 57L2291 and 57L2303. 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

MAP T-7-10769 1-1010 PROJECT

PROJECT NO. 5704 SCALE OF MAP 1/10,000

SCALE FACTOR

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR Y-COORDINATE LONGITUDE OR X-COORDINATE	DISTANCE FROM GRID IN FEET, OR PROJECTION LINE IN METERS		DATUM CORRECTION	N.A. 1927 DATUM		FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS
				FORWARD	(BACK)		FORWARD	(BACK)	
Chan. Range B	PASCAGOULA	N.A.	224,537.66						
FRONT LT 1958	Chan. Range B	1927	601,864.78						
Chan. Range B	PASCAGOULA	"	219,798.45						
REAR LT 1958	Chan. Range B	"	605,879.18						
Chan. Range A	PASCAGOULA	"	232,964.99						
REAR LT 1958	Chan. Range A	"	600,322.04						
Chan. Range A	PASCAGOULA	"	227,980.60						
FRONT LT 1958	Chan. Range A	"	600,565.22						
Chan. Daybeacon	PASCAGOULA	"	221,094.32						
20, 1958	Chan. Daybeacon	"	601,901.96						

COMPUTER CENTER
UNIVERSITY OF CALIFORNIA

DATE 20 May 59

2/2

20/11/59 COMM-DC-57843

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PHOTOGRAMMETRIC PLOT REPORT FOR T-10751 and T-10769

21. AREA COVERED

Map Manuscript T-10751 is from Bayou Casotte to Pascagoula River.

Map Manuscript T-10769 is south of T-10751 and covers part of Pascagoula Channel in Mississippi Sound.

22. METHOD

Radial Plot:

The plot was run on manuscript T-10751 and extended south on a base grid.

A cronoflex was made of T-10760 and was used as a manuscript for T-10769. The plane coordinate grid was removed from the cronaflex and the correct coordinates were ruled for the area covered by T-10769.

The plot was run with the nine-lens photographs.

The photo centers and pass points were transferred to the manuscript from the base grid.

Master templets of 1956-1957 and 1958 were used.

All control held.

23. ADEQUACY OF CONTROL

The control was adequate, and all was held.

24. SUPPLEMENTAL DATA.

None.

25. PHOTOGRAPHY.

The photographs were adequate.

26. GENERAL.

The plot was completed 20 May 1959.

NO SKETCH FOUND

Robert B. Wagner

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COMPILATION REPORT
Survey T-10769

The field inspection report is a part of Descriptive Report, ^{this}
~~T-10751~~.

31. DELINEATION

The graphic method was used.

The photographs were fair scale.

The projection for this sheet is a positive cronoflex of projection T-10760. The plane coordinates were removed and the correct coordinates were plotted from the $2\frac{1}{2}$ minute Intersection Tables for the area covered by this map.

32. CONTROL

See plot report.

33. SUPPLEMENTAL DATA

None used.

34. CONTOURS AND DRAINAGE

Contours are inapplicable.

There is no drainage; small spoil deposits are the only land areas.

35. SHORELINE AND ALONGSHORE DETAIL

The shoreline inspection was adequate. The shoal limits are by office interpretation.

36. OFFSHORE DETAILS

No statement.

37. LANDMARKS AND AIDS

There are no landmarks. Form 567 for aids is part of this report.

38. CONTROL FOR FUTURE SURVEYS

None.

39. JUNCTIONS

Junction was made with T-10751 to the north. Junctions with T-10760 to the west and T-10766 to the south are to be made in the Baltimore Office when those maps are compiled. There is no manuscript to the east.

40. HORIZONTAL AND VERTICAL ACCURACY

No statement.

46. COMPARISON WITH EXISTING MAPS

There are no maps in this office covering this area.

47. COMPARISON WITH NAUTICAL CHARTS

Comparison was made with chart 875 scale 1:40,000 corrected to 29 Nov. 1958. The spoil islands do not appear on the chart.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

See attached letter to Chief. Photogrammetry Division 25 May 1958.

ITEMS TO BE CARRIED FORWARD

None.

R. J. Pate
R. J. Pate
Carto Photo Aid

Approved and Forwarded:

for *W. M. Slawney*
Arthur L. Wardwell *V*
Chief of Party

48. GEOGRAPHIC NAME LIST

MISSISSIPPI
MISSISSIPPI SOUND

Names approved
June 25, 1968. Wright
A. D. Wright
Frank M. Fickett

PHOTOGRAMMETRIC OFFICE REVIEW of ADVANCE MANUSCRIPT

50.

T-10769

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

4a Classification label UNCLASSIFIED

CONTROL STATIONS

5. Horizontal control stations of third-order or higher accuracy RRW 6. Recoverable horizontal stations of less than third-order accuracy (topographic stations) XX 7. Photo hydro stations XX 8. Bench marks XX 9. Plotting of sextant fixes XX 10. Photogrammetric plot report RRW 11. Detail points RRW

ALONGSHORE AREAS

(Nautical Chart Data)

12. Shoreline RRW 13. Low-water line XX 14. Rocks, shoals, etc. RRW 15. Bridges XX 16. Aids to navigation RRW 17. Landmarks XX 18. Other alongshore physical features XX 19. Other along-shore cultural features _____

PHYSICAL FEATURES

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

CULTURAL FEATURES

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

BOUNDARIES

31. Boundary lines XX 32. Public land lines XX

MISCELLANEOUS

33. Geographic names RRW 34. Junctions RRW 35. Legibility of the manuscript RRW 36. Discrepancy overlay XX 37. Descriptive Report RRW 38. Field inspection photographs RRW 39. Forms RRW 40. R. R. Wagner M. M. Slayney
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.

No FIELD EDIT

Compiler

Supervisor

43. Remarks:

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REVIEW REPORT T-10769
PLANIMETRIC
January 4, 1968

61. GENERAL STATEMENT:

See Summary accompanying the Descriptive Report.

No Field Edit Sheet was received for this survey. ~~It is included in the Field Edit Report of April 30, 1962.~~ *It is included, JSA*

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 PASCAGOULA, MISS., 1:62,500 scale 15 minute quadrangle, edition of 1955. The quadrangle does not show any of the spoil along Pascagoula or Bayou Casotte Channels nor Bayou Casotte Channel itself.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS:

Comparison was made with copies of smooth sheets H-8645, ECFP-10-14-61 and H-8646, ECFP-10-15-61. The spoil areas on the manuscript and hydrographic surveys are not in agreement. ~~Please refer to paragraph 53 of the Field Edit Report, which is page 16 of this report and, to the Comparison Print.~~ *The hydrographer delineated the MHW line in these areas. The work is not reflected on the Shoreline Manuscript. JSA*

65. COMPARISON WITH NAUTICAL CHARTS:

Comparison was made with Nautical Chart 874-SC, 3rd Edition, corrected thru NM 41, October 14, 1967. The chart has evidently been revised from later photography than that used to compile the manuscript. The comparison between 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.

There was no photograph coverage of the area available to the Final Reviewer.

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Reviewed by:

Leo F. Beugnet
Leo F. Beugnet

Approved by:

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

Approved by:

Charles Hansen
Chief, Photogrammetric Branch ^{AKB}

R. H. Hamilton
Chief, Photogrammetry Division

John C. Boyer
Chief, ~~Nautical~~ Chart Division
Marine

PHOTOGRAMMETRIC REVIEW BRANCH

NONFLOATING AIDS GREENDOWNERS FOR CHARTS

TO BE CHARTED
TO BE REBANKED
TO BE DISBANED

STRIKE OUT TWO

Tampa District Office

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

The positions given have been checked after listing by R. B. Warner

Arthur L. Wardwell

Chief of Party.

[illegible]

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. 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

USCOMM-DC 271206