10774

Original

10774

10774

Form 504

U. S. DEPARTMENT OF COMMERCE

COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT

Type of Survey Planimetric

Field No. *Office No.* T-10774

LOCALITY

State Alabama

General locality Bon Secour Bay

Locality St. Andrews Bay

1957-60 *

CHIEF OF PARTY

Roger F. Lanier, Chief of Field Party
Arthur L. Wardwell, Tampa District Office

LIBRARY & ARCHIVES

DATE

USCOMM-DC 5087

* Refer to page 6 of this report.

FORM 181
(4-23-54)

U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT - DATA RECORD

T-10774

Project No. (II): PH-5704 Quadrangle Name (IV):

Field Office (II): Pascagoula, Mississippi Chief of Party: Roger F. Lanier

Photogrammetric Office (III): Tampa, Florida Officer-in-Charge: Arthur L. Wardwell

Instructions dated (II) (III): (II) 23 June 1958 (Field)
" 10 Feb. 1959 (Field Suppl.1)
(III) 7 Apr. 1959 (Office)
" 17 Aug. 1959 (Office Suppl.1)
" 17 Aug. 1959 (Field Suppl.2)
(III) 9 Sept. 1959 Stereo Bridging
" 6 Oct. 1959 (Office Suppl.1)
" 10 Nov. 1959 (Field and Office Suppl. 3)
29 Aug 1962 Office Suppl 4

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): 31AUG60 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
~~XXXXXXXXXX~~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

NAVYZ, 1960

Reference Station (III): ~~PENSACOLA MOBILE LT 277, 1958~~ Destroyed, see F.E. sheet
30° 13' 56".18 (1730.0m) 87° 59' 47."37 (1266.6m.)

Lat.: ~~30°15'30.845"~~ (949.8-m) Long.: ~~87°58'48.787"~~ (1304.2-m) ~~XXXXXX~~ Unadjusted

Plane Coordinates (IV): State: Zone:

Y= X=

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.

COMM-DC-57842

FORM 181b
(4-23-54)

U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT - DATA RECORD

Field Inspection by (II): William M. Reynolds
Leo F. Beugnet
Date: August 1958

Planetable contouring by (II): Inapplicable
Date:

Completion Surveys by (II): C. H. Nixon
Date: Feb. 1960

Mean High Water Location (III) (State date and method of location): Air Photo Compilation
Date of Inspection August 1958

Projection and Grids ruled by (IV): P. D. Dempsey
Date: Oct. 1958

Projection and Grids checked by (IV): R. D. Shoup
Date: Oct. 1958

Control plotted by (III): R. R. Wagner
Date: Apr. 1959

Control checked by (III): R. J. Pate
Date: 28 April 1959

Radial Plot ~~mechanical~~ ~~Control~~ by (III): R. R. Wagner
Date: 14 August 1959

Stereoscopic Instrument compilation (III):
Planimetry: Inapplicable
Date:
Contours
Date:

Manuscript delineated by (III): R. Dossett
~~Revision by J.T. Geclach~~
Date: August 1959
~~Oct 1962~~

Photogrammetric Office Review of map manuscript by (III): W. H. Shearouse
Date: August 1959

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

COMM-DC-57842

FORM 181c
(4-23-54)

U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT - DATA RECORD

3 4

Camera (kind or source) (III): USC&GS 9-lens and Wild "L" single-lens

PHOTOGRAPHS (III)

Number	Date	Time	Scale	Stage of Tide
56762	Nov. 9, 1957	14:30	1:10,000	+ 0.2 **
56763	"	14:31	"	"
56764	"	14:31	"	"
57-L-2526	"	14:31	" Ratio	"
57-L-2528	"	14:31	"	"
57-L-2530	"	14:31	"	"
~~62 W 4789 thru 62 W 4792~~	~~May 7 1962~~	~~15:00~~	" "	~~.5 above MLW~~

Tide (III)

See Item 10 Proj. Inst. of 23 June 1958

	Ratio of Ranges	Mean Range	Spring Range
Reference Station:			
Subordinate Station:			
Subordinate Station:			

Washington Office Review by (IV): Leo F. Beagnet, Atlantic Marine Center Date: Feb. 1968

Final Drafting by (IV): R. Dossett, Tampa District Office Date: March 1960
Review of final drafting: I. I. Saperstein, Tampa Dist. Office April 1960
Drafting verified for reproduction by (IV): Date:

Proof Edit by (IV): Date:

Land Area (Sq. Statute Miles) (III): 3
Shoreline (More than 200 meters to opposite shore) (III): 22
~~Shoreline (More than 200 meters to opposite shore) (III):~~
Control Leveling - Miles (II): Inapplicable
Number of Triangulation Stations searched for (II): 7 Recovered: 2(a) Identified: 4*
Number of BMs searched for (II): - Recovered: - Identified: -
Number of Recoverable Photo Stations established (III): 4
Number of Temporary Photo Hydro Stations established (III): None

Remarks: * Two stations established.
** Refer to paragraph 3, Item 10 of Project Instructions states "The Photography was taken with the tide about 0.2 ft. above MLW. . .
(a) ALA. GEODEDIC SURVEY STATIONS "580" & "595" ARE NOT CONSIDERED OF THIRD ORDER, SEE CORRESPONDENCE IN FIELD INSP. REPORT, AND ARE SHOWN WITH CIRCLES.

COMM-DC-57842

T-10774

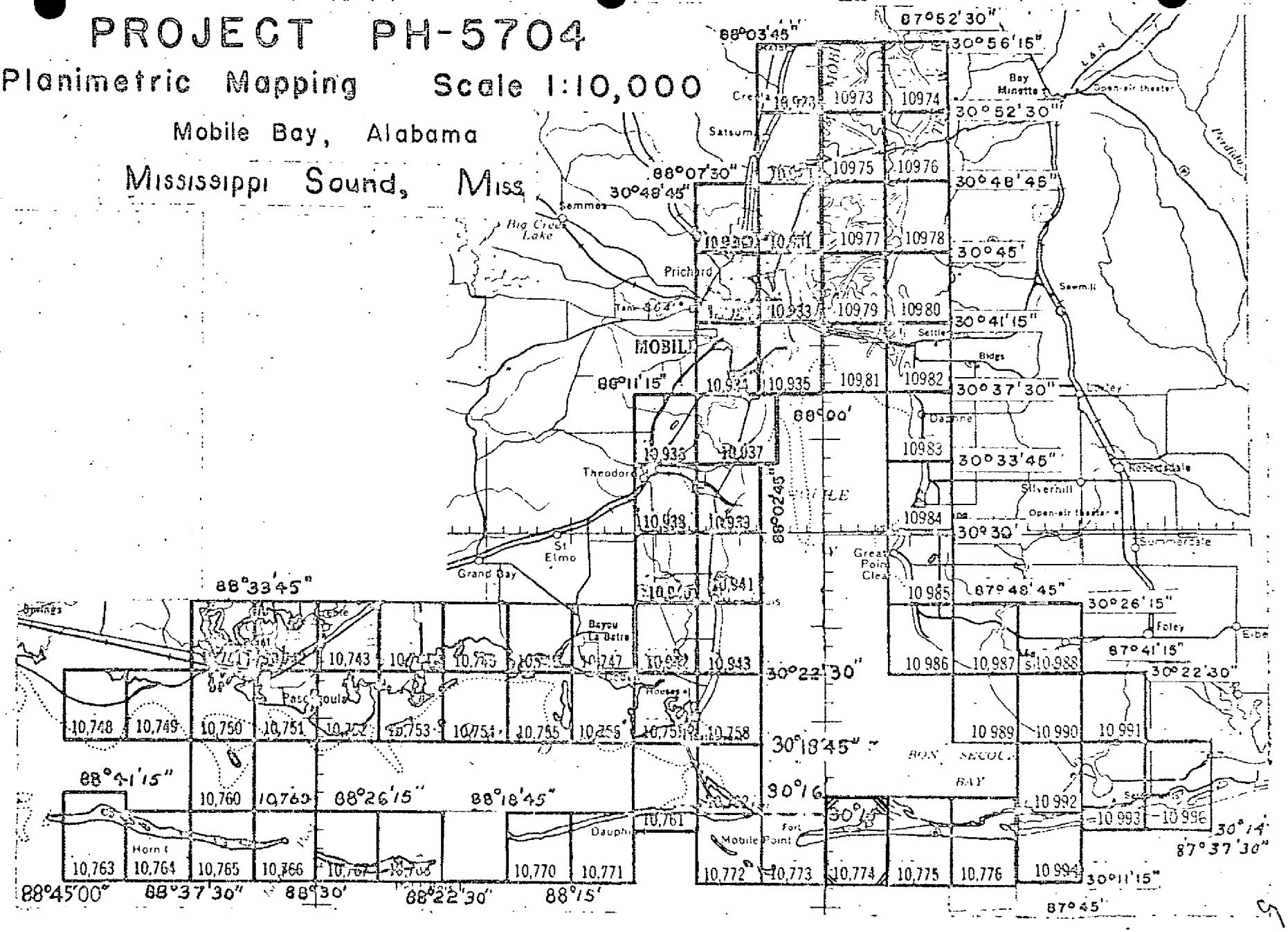
COMPILATION RECORD	COMPLETION DATE	REMARKS
Compiled	August 1959	
Field Edit	February 1960	
Final Review	February 1968	

PROJECT PH-5704

Planimetric Mapping Scale 1:10,000

Mobile Bay, Alabama

Mississippi Sound, Miss.



SUMMARY TO ACCOMPANY
DESCRIPTIVE REPORT T-10774

Planimetric Survey T-10774 is one of seventy-four similar surveys in Project PH-5704. It covers a part of the shoreline of Mobile Bay and the Gulf of Mexico to the eastward of Mobile Point. The primary purpose of the survey was to provide new shoreline for nautical charts and photo-hydro support data for hydrographic surveys. See page 5 of this report for the position of the sheet within the project.

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

Compilation was at 1:10,000 scale by graphic methods using the 9-lens photography of November 1957 supplemented by single lens photography of the same date. Cronaflex copies of the manuscript along with ozalids prints and specially prepared photographs were furnished for location of hydrographic signals and preparation of the hydrographers boat sheet.

The manuscript was a vinylite sheet 4 3/4 minutes in latitude by 3 3/4 minutes in longitude, which was scribed and reproduced on cronaflex. One cronar positive and one cronar negative are forwarded for record and registry.

* This map was revised in 1962. Refer to pages 22 and 23 of this report.

Field Inspection Report
Quadrangles T-10773 through T-10776
Project Ph-5704

2. Areal Field Inspection

These quadrangles are located in southwestern Alabama, at the south end of Mobile Bay. The land area, with one exception, is a low, narrow peninsula made up of low, sand dunes, marsh and some swamp. The exception to the above is a low sandy island located approximately 2 miles southwest of Mobile Point.

The area has few permanent residents and is primarily a summer resort. Numbers of summer cottages are constructed along the beach.

Fort Morgan is located on Mobile Point in sheet number T-10773. This fort was used during the Civil War and is now a state park.

Field inspection was performed in accordance with project instructions dated 23 June 1958 and is believed complete. No items were deliberately left for field edit.

Photography was of fairly recent date and of good quality. No difficulty was encountered in their interpretation in the field. The tones range from white along the sand beaches, to grey in the light grassy areas, to black in the areas covered by marsh, swamp and trees.

The marsh and swamp limits have not been indicated in their entirety on the photographs but it is believed sufficient information has been furnished for the compiler to outline all limits on the manuscripts.

Field inspection has been indicated on the following nine-lens photographs: 56760 through 56769.

3. Horizontal Control

All Coast and Geodetic Survey control was searched for and where recovered was identified for control of the plot.

Five third-order intersection stations were established by the field party. Standard methods were used. These stations are Intracoastal Waterway, Pensacola-Mobile Light 267; Intracoastal Waterway, Pensacola-Mobile Light 277; Mobile Point Range Front Light; Mobile Point Range Rear Light, and Mobile Point Coast Guard Radio Tower. No adjustments were made by the field party.

Several traverse stations established by Alabama Geodetic Survey, CWA traverse line 9, Baldwin County, were recovered and identified. These stations were fourth-order. A traverse tie was made between EDITH 1935 and stations 497 and 498. Results of this tie and adjustments made by the Division of Geodesy are enclosed. A second tie was made between COLLINS 1935 and station 496. Results of this tie are enclosed.

The following stations were reported lost: FORT MORGAN TANK, 1934; FORT MORGAN TOWER, 1942; Traverse Station 596; NAVY, 1935; HOG 1935; Traverse Stations 578, 579, 581, 594; LEAR, 1918; THREE, 1935; Traverse Stations 493, 494, and 495.

FORT MORGAN TANK, 1934 was reported lost but was identified for the plot. The center of the four footings was identified for the station.

4. Vertical Control

The following Coast and Geodetic Survey Tidal Bench Marks were recovered: Fort Morgan, Mobile Point, Mobile Bay Entrance Bench Mark 1, 3, 4, 5, A 9 (U.S.E.) and A 10 (U.S.E.). Other Vertical control was not searched for.

5. Contours and Drainage

Contours are inapplicable. Drainage is primarily run-off from the peninsula into the bay and gulf. The few short streams are self-evident from the photographs.

6. Woodland Cover

Adequately covered by the photographs. See also item 2.

7. Shoreline and Alongshore Features

The mean high water line was inspected by skiff and jeep and has been indicated on the photographs. (56759 through 56769)

The foreshore is steep and the distance between the mean high and low water lines is too close for mapping at the project scale.

Bluffs worthy of symbolization have been indicated on the photographs.

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

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

8. Offshore Features

The mast on a wreck was located by theodolite cuts. The wreck is charted approximately 0.5 mile southwest of Mobile Point. There are no other offshore features.

9. Landmarks and Aids

One landmark for nautical charts was located and identified on the photographs. Form 567 will be submitted for the entire project at a later date.

Two aeronautical aids are located in sheet T-10773. The Coast Guard Radio Tower and Sand Island Lighthouse have both been located by triangulation.

There are five fixed aids to navigation in this area. These were located by triangulation.

10. Boundaries, Monuments, and Lines

Location of public land lines was not required for this project. There are no corporate limits within the area covered by this report. The Baldwin-Mobile County Line will be covered by a special report at a later date.

11. Other Control

Eight recoverable topographic stations were identified for location by the plot. All stations are natural objects and are indicated on the photographs as follows:

T 10773	T 10774
Top, Small Building on Piling	East Gable House, Galvanized Roof
	Abandoned Lookout Tower
	Small Water Tank
T 10775	T 10776
Pole, on Highest Dune	East Gable Large House
	East Gable House, Black Roof
	East Gable House, Green Roof

12. Other Interior Features

All roads and buildings were field inspected and classified in accordance with project instructions.

There are no bridges or cables over navigable waters.

There is one small landing field located in T-10773. The limits of the landing area has been indicated on the field inspection photographs.

13. Geographic Names

Geographic Names will be covered by a special report to be submitted at a later date.

14. Special Reports and Supplemental Data

Special Report Geographic Names, Project Ph-5704
Special Report Boundaries, Project Ph-5704
Special Report Coast Pilot, Project Ph-5704

All of the above reports will be submitted at a later date.

Submitted,

William M. Reynolds
William M. Reynolds

Approved and Forwarded:

Roger F. Lanier
Roger F. Lanier
LT, C&GS
Chief of Party

FORM 164
(4-23-54)

U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT
CONTROL RECORD

MAP T-10774 PROJECT NO. 5204 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 FORWARD (BACK)	DATUM CORRECTION	N.A. 1927-DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS FORWARD (BACK)	FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS FORWARD (BACK)
595 AGS 1939	LETTER 26 Aug 59 F-10773	4TH ORDER STA	84,465.02 + 346,770.62 +	2 5705.0 + 10 5695.9 +			PJ RJP
580 AGS 1939	"	4TH ORDER STA	84,162.17 + 353,693.89 +	2 5799.0 + 10 7806.2 +			PJ RJP 28 Aug 59 " "
INTRACOASTAL WATERWAY PENSACOLA-MOBILE LT 277 1958	WATERWAY field pos.		30 15 30.845 + 87 58 48.787 +	DESTROYED		949.8 (897.8) + 1304.2 (299.7) +	"
INTRACOASTAL WATERWAY PENSACOLA-MOBILE LT 267 1958	"		30 15 56.384 + 87 57 42.708 +			1736.2 (111.3) + 1141.6 (462.2) +	"
NAVY 2. 1960			30 13 56.18 + 87 59 47.37 +			1730.0 (117.6) + 1266.6 (337.7) +	MPG 22 Sept 60 RJP " "

1 FT. = .3048006 METER

COMPUTED BY: [illegible] DATE 20 Sept 59

CHECKED BY: [illegible] DATE [illegible]

COMM-DC-57843

PHOTOGRAMMETRIC PLOT REPORT

21. AREA COVERED

Photogrammetric Plot No. 1 of Ph-5704 was for the entrance to Mobile Bay and all of Dauphin Island (manuscripts T-10757, T-10758, T-10761, T-10762, T-10770 through T-10772), and also eastward along a narrow peninsula between Bon Secour Bay and the Gulf of Mexico (manuscripts T-10773 through T-10776).

The sketch on page 14 * of this report shows the arrangement of manuscripts, the identified control, index of control, photograph centers and the adjoining manuscripts.

22. METHOD

Radial Plot:

Map manuscripts: -- The projections are 3'45" in latitude and longitude with the exceptions of T-10774 through T-10776 which are 4'45" in latitude. The western limit of T-10770 was extended to 88°19'. See letter (copy attached) to Chief, Photogrammetry Division, dated 17 September 1959. The northern limit of T-10771 was extended to 30°15'30" to accommodate detail in this area.

The plot was run on the joined manuscripts.

Photographs: -- The nine-lens photographs of 19 November 1957 at a scale of 1:10,000 were used to run the plot.

Contact single-lens infra red photographs were taken simultaneously with the nine-lens photographs with Camera "L" being used.

Only those single-lens photographs were located where it was believed they would aid the compiler in locating the photo-hydro stations. They were fixed in position by holding pass points located by the nine-lens photographs.

Templets: -- Vinylite templets were made from nine-lens photographs using master templet 53605 (1956-1957) for correction of transforming errors and paper distortion.

Closure and adjustment to control:-- The plot was run from east to west with conventional methods being used. Two Alabama Geodetic Survey control stations could not be held in the plot. See letter (copy attached) to Chief, Photogrammetry Division, dated 8 September 1959.

* Descriptive Report T-10757

23. ADEQUACY OF CONTROL

The control was adequate and all of it was positively identified. In the northern part of T-10758, it could not be determined which of two stations was in error, and MON LOUIS RM 2 1930 and JULIET R.M.A. 1910 were returned to the field for verification. It was found that JULIET R.M."A" actually had been destroyed at the time of the original identification and should not have been identified. (See 1959 recovery). A new substitute station was located for MON LOUIS and was held in the plot.

24. SUPPLEMENTAL DATA

None.

25. PHOTOGRAPHY

The nine-lens photographs gave adequate coverage, however the quality of the photographs was poor. Most of the photographs have a muddy appearance and on 56758 three fiducial marks were missing in the wing chambers. See attached letter dated 1 September 1959, Subject "Washboard Affect of nine-lens photographs".

None of the photographs were sufficiently tilted to justify special measures.

26. GENERAL

Dates of completion of the photogrammetric plot by maps are as follows:

T-10757	8 September 1959	T-10772	28 August 1959
T-10758	8 September 1959	T-10773	14 August 1959
T-10761	3 September 1959	T-10774	14 August 1959
T-10762	4 September 1959	T-10775	13 August 1959
T-10770	21 September 1959	T-10776	13 August 1959
T-10771	21 September 1959		

Respectfully submitted

Robert R. Wagner
Cartographer(Photo)

APPROVED & FORWARDED

William R. Kochel
for Arthur L. Wardwell
Tampa District Officer

COMPILATION REPORT
T-10774

PHOTOGRAMMETRIC PLOT REPORT

Submitted with ~~T-10757~~ this Descriptive Report

31. DELINEATION

Compiled by graphic method.

The nine-lens photographs were of reasonably good scale. Some difficulty was encountered, however, in their clearness, particularly along the marshy shoreline, where the shoreline tended to blend with the adjacent marsh. In such instances the single-lens photographs were used; and while the single-lens photographs were clear they were of poor scale.

The fi eld inspection was adequate.

32. CONTROL

See photogrammetric plot report.

33. SUPPLEMENTAL DATA

None.

34. CONTOUR AND DRAINAGE

Inappl icable.

35. SHORELINE AND ALONGSHORE DETAILS

The shoreline and alongshore details have been delineated according to field inspection notes which were adequate. See Item 7 of Field Inspection report submitted with T-10773 for low water line information.

36. OFFSHORE DETAILS

None.

37. LANDMARKS AND AIDS

There were no recommended landmarks. Aids are being submitted on Form 567. Forms 567 dated 15 July 1960 have been submitted to the Washington Office.

38. CONTROL FOR FUTURE SURVEYS

Four (4) topographic stations (Natural objects) are listed under Item 49, no Form 524's are required.

39. JUNCTIONS

A satisfactory junction has been secured with T-10773 on the west, and T-10775 on the east. There are no maps to the north and south.

40. HORIZONTAL AND VERTICAL ACCURACY

No statement.

46. COMPARISON WITH EXISTING MAPS

A comparison has been made with Army Map Service topographic map "WEEKS BAY, ALA., edition 1, scale 1:50,000, copied in 1954 from U.S.G.S. Map of 1943. Original compilation in 1940-41. No outstanding differences were noted. A comparison was also made with Air Photo compilation T-5535, scale 1:10,000, compiled from photographs made June 23, 1934, 9:00 A.M. Considerable difference was noted in the shoreline, particularly along north shore.

47. COMPARISON WITH NAUTICAL CHARTS

A comparison has been made with Intra-coastal Waterway Chart No. 873, scale 1:40,000, 1st combined edition, July 1957, revised to 3-23-59. Only minor differences were noted.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None.

ITEMS TO BE CARRIED FORWARD

None.

R. Dossett
Carto - Photo Aid

Approved and Forwarded:

Arthur L. Wardwell
Chief of Party

16 +

48. GEOGRAPHIC NAME LIST

ALABAMA

BON SECOUR BAY

DIXIE GRAVES PARKWAY

GULF OF MEXICO

HOG BAYOU

INTRACOASTAL WATERWAY

MOBILE BAY

NAVY COVE

SAXON BAY
ST ANDREWS BAY
STATE HIGHWAY 180

~~THE SPIT~~

Names taken from A.M.S. ~~USGS~~ WEEKS BAY quadrangle.

Names approved
June 26, 1968
- Frank W. Pickett
C. J. Wraight

49. NOTES FOR THE HYDROGRAPHER

The following is a list of topographic stations that may be of use to the hydrographer:

N E Corner Lone Cottage 1958

Small Water Tank, 1958

Abandoned Lookout Tower, 1958

East Gable House, Galvanized Roof, 1958

FORM 182
(6-12-56)

U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

50.

PHOTOGRAMMETRIC OFFICE REVIEW OF ADVANCE MANUSCRIPT

T- 10774

1. Projection and grids I.I.S. 2. Title IIS 3. Manuscript numbers IIS 4. Manuscript size IIS

4a Classification label unclassified

CONTROL STATIONS

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

ALONGSHORE AREAS

(Nautical Chart Data)

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

PHYSICAL FEATURES

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

CULTURAL FEATURES

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

BOUNDARIES

31. Boundary lines XX 32. Public land lines XX

MISCELLANEOUS

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

40. I. I. Saperstein — Reviewer
Milton M. Slavney — 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.

R. Dossett — Compiler
Milton M. Slavney — Supervisor

43. Remarks:

COMM-DC 34529

FIELD EDIT REPORT
(Shoreline)
Quadrangles T-10773 through T-10776
Project PH-5704

51. Methods.

The distance to the MHWL was spot checked along the shoreline. Additions and corrections to the manuscript have been noted on the field-edit sheet in red and on the photographs in violet.

Field-edit information has been shown on field-edit sheets for T-10773, T-10774, T-10775 and T-10776. Additional information is shown on photographs infra-red 9Nov57L2523 and 9Nov57L2524 and nine-lens 56766 and 56768.

52. Adequacy of compilation.

The map compilation appears complete and adequate.

53. Map accuracy.

The shoreline of the maps is accurate except where it has been corrected on the field-edit sheet T-10773 near Fort Morgan and the east end of Sand Island.

54. Recommendations.

No recommendations.

55. Examination of proof copy.

The following person is able to read a map of this area with assurance and has agreed to examine a proof copy of the map for possible errors.

Mr. Byrd L. Moore
P. O. Box 143
Fairhope, Alabama

56. Investigation of discrepancies.

Geographic Names
(T-10776)

Poople Contacted

	Name	Address	No. Years Resident
A.	G. C. Strong	Fort Morgan Highway Gulf Shores, Ala.	66
B.	Ralph L. Smith	Fort Morgan Highway Gulf Shores, Ala.	59
C.	William Galloway	Gulf Shores, Ala.	54

GATOR LAKE: According to A., B., and C. GATOR LAKE has always been known as BIG HEAD.

The small lake just west of GATOR LAKE has, according to A., B., and C., always been known as LITTLE HEAD.

Boundaries
(T-10773)

The corrected U. S. Coast Guard Boundary is shown in violet on photographs infra-red 9Nov57L2523 and 9Nov57L2524.

Submitted:

Charles H. Nixon

Charles H. Nixon
Photo-Hydro
Support Unit 720

Approved:

Michael L. Olivier

Michael L. Olivier
O-in-C
Photo-Hydro
Support Unit 720

REVIEW REPORT T-10774
PLANIMETRIC
February 13, 1968

61. GENERAL STATEMENT:

See Summary accompanying the Descriptive Report.

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS:

Comparison was made with a copy of T-5535 compiled from aerial photographs of June 23, 1934. The mean high water line along both the outer coast and in Mobile Bay has receded since the time of this compilation. The interior changes consist of new roads and buildings.

Survey T-10774 supersedes the prior survey for nautical charting purposes.

63. COMPARISON WITH MAPS OF OTHER AGENCIES:

Comparison was made with USGS WEEKS BAY, ALA., 1:62,500 scale quadrangle, edition of 1943, reprinted 1950. Due to the difference in scale of the two surveys only a visual comparison was made. There are no offshore features shown on the USGS quadrangle and the comparison of the shoreline was favorable.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS:

Comparison was made with copies of smooth sheets H-8524 and H-8525. The shoreline for the smooth sheets was taken from a copy of the advance manuscript and there are no discrepancies. The following offshore features, located by the hydrographer, do not appear on this survey and are not visible on photographs of the area:

	Latitude	Longitude
Mooring pile	30° 14' 04"	87° 58' 55"
Iron stake	30° 14' 04"	87° 58' 47"
Stake	30° 14' 04"	87° 58' 39"
Stake	30° 14' 07"	87° 58' 39"
3 Piles	30° 14' 48"	87° 57' 42"
Iron stakes	30° 14' 43"	87° 57' 31"

65. COMPARISON WITH NAUTICAL CHARTS:

Comparison was made with Nautical Chart 872-SC, 3rd edition, corrected thru NM 37, September 16, 1967. The mean high water line of the chart and manuscript are in good agreement. The following offshore features shown on the chart do not appear on this survey and are not visible on photographs of the area:

	Latitude	Longitude
Pile	30° 14' 05"	87° 58' 55"
Stake	30° 14' 07"	87° 58' 39"
Piles	30° 14' 48"	87° 57' 42"
Stakes	30° 14' 44"	87° 57' 31"
Pile	30° 14' 10"	87° 57' 25"
Snag	30° 15' 13"	87° 58' 09"

Pensacola - Mobile Light 277 was destroyed between the time it was located by triangulation in 1958 and the time of field edit in February 1960. It was not on station at the time of field edit and is therefore not shown on the survey.

There is no comparison print to accompany this survey. All discrepancies in offshore features have been listed.

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 P. A. Stark

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

Approved by:

Chief, Photogrammetric Branch scm

R. H. Hamilton
Chief, Photogrammetry Division

Chief, ~~Nautical~~ Marine Chart Division

PH-5704
Revision Data

RS 893 (T-10774)

This map was one of 18 project maps revised in 1962 with 1962 photography. Refer to project revision diagram on the following page.

Revision Survey information was not carried forward to the original shoreline surveys. The revised details have been applied to contemporary hydrographic surveys.

Copies of the revision surveys will be filed with other project (PH-5704) data in the Federal Records Center.

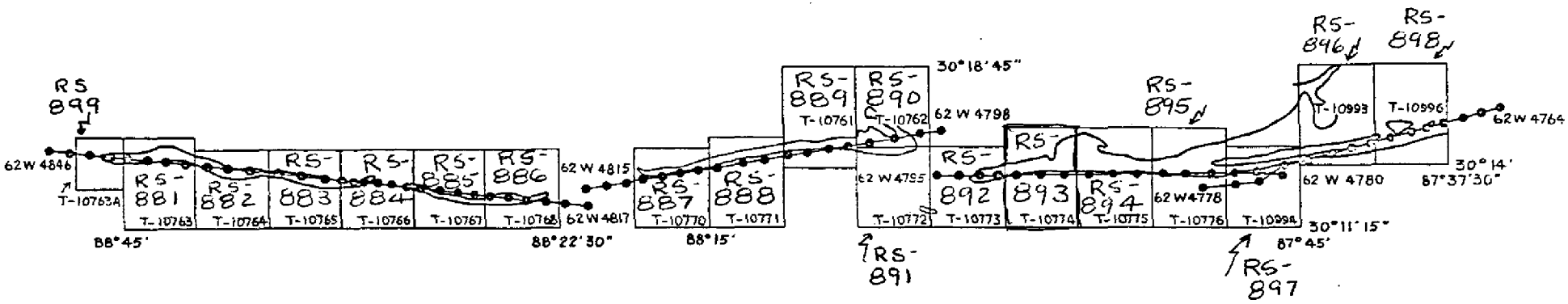
Compilation reports for some revision surveys are lost. Available reports are included in the Descriptive Reports for the registered shoreline surveys. DWO

No report found for this survey (RS-893)

PROJECT PH-5704 (REVISION)

MOBILE BAY, ALABAMA – MISSISSIPPI SOUND, MISS.

SCALE – 1:10,000
SEPTEMBER, 1962



• 1:20,000 RC-8 (Pan.) Photographs. Photographs also 1:10,000 ratio prints for Hydro Support.