

10761

Original

10761

10761

Form 504	
U. S. DEPARTMENT OF COMMERCE	
COAST AND GEODETIC SURVEY	
DESCRIPTIVE REPORT	
Type of Survey	Planimetric
Field No.	Office No. T-10761
LOCALITY	
State	Alabama
General locality	Mobile County
Locality	Dauphin Island
1957 - 1960 *	
CHIEF OF PARTY	
R. F. Lanier, Chief of Party	
A. L. Wardwell, Tampa District Office	
LIBRARY & ARCHIVES	
DATE	

USCOMM-DC 5087

* Refer to page 6 of this report

DESCRIPTIVE REPORT - DATA RECORD

T - 10761

PROJECT NO. (II): PH-5704		
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 10 Feb. 1959 (Supplement 1) 17 Aug. 1959 (Supplement 2) III 7 April 1959 17 Aug. 1959 (Supplement 1) & 6 Oct. 1959		
METHOD OF COMPILATION (III): Graphic		
MANUSCRIPT SCALE (III): 1:10,000		STEREOSCOPIC PLOTTING INSTRUMENT SCALE (III): Inapplicable
DATE RECEIVED IN WASHINGTON OFFICE (IV): November 3, 1960 FINAL APRIL 30, 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): 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): HERON 1935		
LAT.: 30 14 58.912	LONG.: 88 08 07.716	<input checked="" type="checkbox"/> ADJUSTED <input type="checkbox"/> UNADJUSTED
PLANE COORDINATES (IV): = X =		STATE Alabama
		ZONE 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.		

DESCRIPTIVE REPORT - DATA RECORD

FIELD INSPECTION BY (III):		DATE:
William M. Reynolds		August 1958
MEAN HIGH WATER LOCATION (III) (STATE DATE AND METHOD OF LOCATION):		
Air Photo Compilation - Date of Photography, 19 November 1957 MHW LINE FIELD INSPECTED AND FIELD EDITED (DATES OF WORK ON THIS PAGE).		
PROJECTION AND GRIDS RULED BY (IV):		DATE
P. Dempsey		October 1958
PROJECTION AND GRIDS CHECKED BY (IV):		DATE
R. D. Shoup		March 1959
CONTROL PLOTTED BY (III):		DATE
I. I. Saperstein		May 1959
CONTROL CHECKED BY (III):		DATE
R. J. Pate		May 1959
RADIAL PLOT OR STEREOSCOPIC CONTROL EXTENSION BY (III):		DATE
R. R. Wagner		September 1959
STEREOSCOPIC INSTRUMENT COMPILATION (III):	PLANIMETRY	DATE
	CONTOURS	DATE
Inapplicable		
MANUSCRIPT DELINEATED BY (III):		DATE
W. W. Dawsey		September 1959
SCRIBING BY (III):		DATE
R. E. Smith		September 1960
PHOTOGRAMMETRIC OFFICE REVIEW BY (III):		DATE
W. H. Shearouse		October 1959
REMARKS:		
FIELD EDIT: MARCH 1960		

DESCRIPTIVE REPORT - DATA RECORD

CAMERA (KIND OR SOURCE) (III):

Nine-lens and Single-lens "L"

PHOTOGRAPHS (III)

NUMBER	DATE	TIME	SCALE	STAGE OF TIDE
56794	11-19-57	14:34	1:10,000	0.7 ft. above MLW
56863	"	15:33	"	"
56864	"	"	"	"
56966	"	15:34	"	"
56746	11-09-57	14:07	"	0.2 ft/ above MLW
56747	"	14:08	"	"
56748	"	14:09	"	"

TIDE (III)

Diurnal

	RATIO OF RANGES	MEAN RANGE	1/4 RANGE
REFERENCE STATION: Mobile, Mobile River			1.5
SUBORDINATE STATION: Mobile Point (Fort Morgan)			1.2
SUBORDINATE STATION:			

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

DATE: January 1968

PROOF EDIT BY (IV):

DATE:

NUMBER OF TRIANGULATION STATIONS SEARCHED FOR (II):

16

RECOVERED:

8

IDENTIFIED:

8*

NUMBER OF BM(S) SEARCHED FOR (II):

None

RECOVERED:

-

IDENTIFIED

-

NUMBER OF RECOVERABLE PHOTO STATIONS ESTABLISHED (III):

3 one (1)

NUMBER OF TEMPORARY PHOTO HYDRO STATIONS ESTABLISHED (III):

none

REMARKS:

*Includes 6 stations established

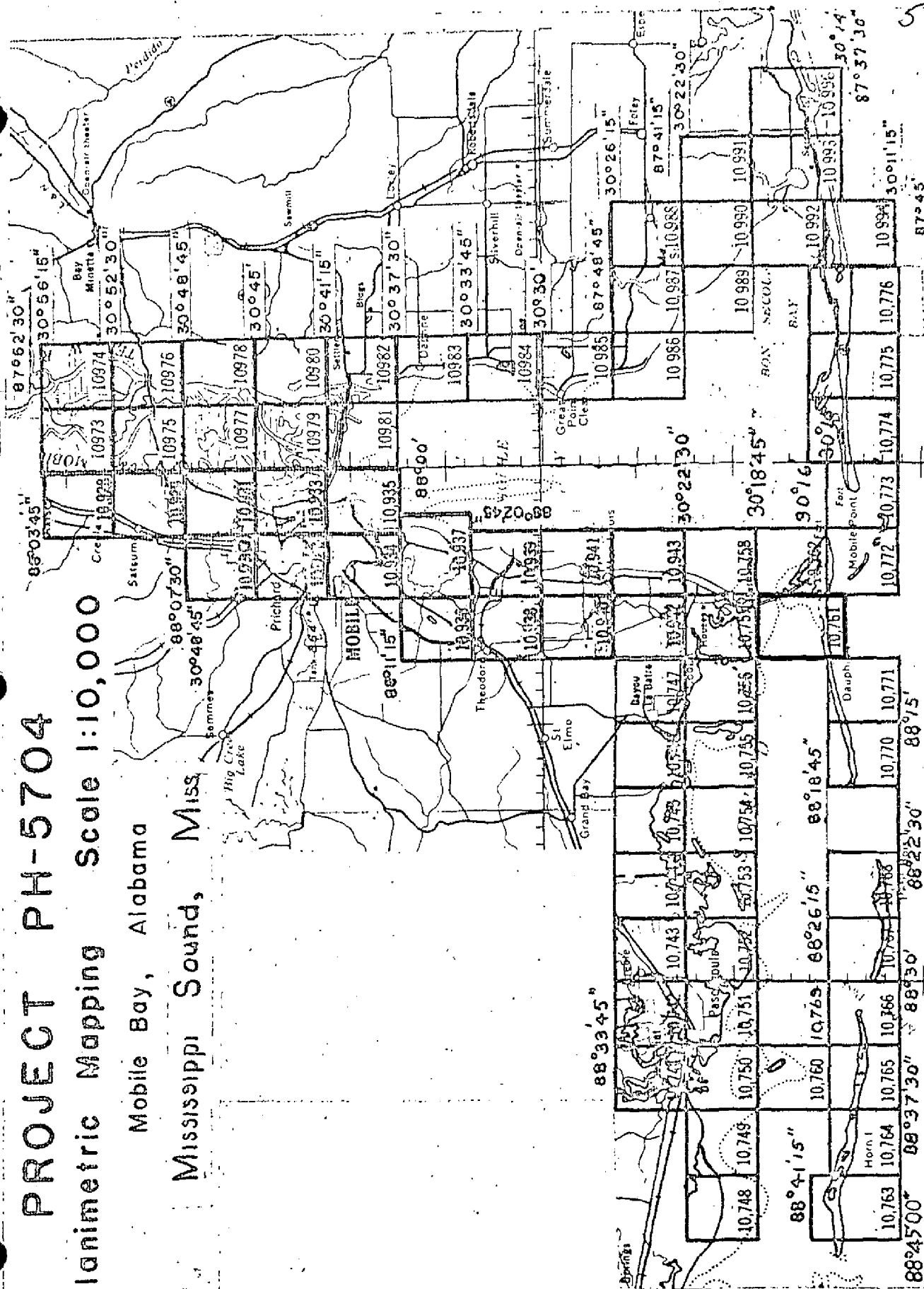
T-10761

COMPILATION RECORD	COMPLETION DATE	REMARKS
Compiled	September 1959	
Field Edit	March 1960	
Final Review	January 1968	

Planimetric Mapping

Mobile Bay, Alabama

Mississippi Sound, Miss.



6

SUMMARY TO ACCOMPANY
DESCRIPTIVE REPORT T-10761

Planimetric Survey T-10761 is one of seventy-four similar surveys in Project PH-5704. It covers a part of the shoreline of Mississippi Sound and Mobile Bay in the area of Dauphin Island and Mon Louis Island.

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 November 1957. 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 $4 \frac{1}{4}$ 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.

* This map was revised in 1962 (see pages 22 and 23 of this report)

FIELD INSPECTION REPORT
Map Numbers T-10761, 10762 and
T-10770 through T-10772
Project Ph-5704

2. Areal Field Inspection

These maps are located in southwestern Alabama. The land area is made up of Dauphin Island, Little Dauphin Island and the causeway connecting Dauphin Island to the mainland. The islands are low, sand dune covered beaches, except for the eastern part of Dauphin Island, which is covered with trees. The islands were inaccessible by automobile until 1955, when a causeway and bridge were completed. Extensive development is underway and numerous cottages, roads and bulkheads have been constructed. The area is primarily a summer resort and there are few permanent residents.

Fort Gaines, a fort used during the Civil War, is located in sheet T-10772. A radar station, which upon completion will be a part of the national network, is located along the northern limits of the same sheet.

Field inspection is believed complete as of 1 Sept. 1958. No items were deliberately left for field edit. However, with the development being incomplete, changes will probably be made throughout the above maps.

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, in the sand areas, to grey, in the areas covered by light growth of grass, to black, in the areas covered with marsh and trees. Considerable time was spent in the field indicating the inshore limits of marsh. After driving part of the area with a jeep and walking the remainder, the marsh limits were generalized. The photographic tones between definite marsh and the wet sandy areas covered with thick growths of grass were not definite on the photographs or the ground.

The following nine-lens photographs were used for field inspection 56741 through 750, 56863 through 865. The following single lens photographs were used, 57 L 2485 through 2498 and 57 L 2501.

3. Horizontal Control

All Coast and Geodetic Survey control was searched for

and where recovered was identified to control the plot.

The following stations were established by triangulation or traverse methods:

T-10761

CEDAR 3, 1958

Mississippi Sound, Bayou Aloe Entrance Lt. 2, 1958
Intracoastal Waterway, Miss. Sound, Pass Aux Herons Range D Rear Light, 1958
Intracoastal Waterway, Miss. Sound, Pass Aux Herons Range D Front Light, 1958

Pond, 1958 (by traverse)

T-10762

Dauphin Island Water Tank, 1958
Mobile Bay, Pass Aux Herons, Leading Light B, 1958
Mobile Bay, Pass Aux Herons, Light 2, 1958
Mobile Bay, Pass Aux Herons, Light 18, 1958
Mobile Bay, Pass Aux Herons, Range A Front Light, 1958
Mobile Bay, Pass Aux Herons, Range A Rear Light, 1958

T-10770

Sand, 1958 (by traverse)
Intracoastal Waterway, Miss. Sound, Pass Aux Herons Light 82, 1958

T-10771

Land 1958

Isle 1958 (by traverse)
Intracoastal Waterway, Miss. Sound, Pass Aux Herons Range C Front Light, 1958
Intracoastal Waterway, Miss. Sound, Pass Aux Herons Range C Rear Light, 1958

T-10772

FORT GAINES (U.S.E.) 1958

No datum adjustments were made by the field party.

The following stations were reported lost;

T-10761

GILL, 1935
CEDAR 2, 1935
205-5 (Ala. Geod. Sur.), 1935
GULL, 1910
GRANT HOUSE SOUTH GABLE, 1910
GRANT (FLAG), 1910

T-10762

LITTLE DAUPHIN (U.S.E.), 1908
PINE, 1910
DRURY, 1910
DRURY 2, 1935

T-10770

WEST, 1910
HALF, 1935

T-10771

TAN, 1935

4. Vertical Control Inapplicable.
5. Contours and Drainage Contours are inapplicable.

Drainage is run-off into Mississippi Sound and The Gulf of Mexico.

6. Woodland Cover

Adequately covered by notes on the photographs.

7. Shoreline and Alongshore Features

The mean high water line and apparent shoreline were inspected by jeep, skiff, and walking along the beach. Appropriate notes and symbols have been indicated on the photographs. (Shoreline inspection data has been indicated on the following nine-lens photographs, 56741 through 56750 and 56863 through 56865).

There is little horizontal difference between the mean high and low water lines on Dauphin Island. The difference between the two lines could not be mapped at the project scale. The approximate low water line, around some small islands, has been indicated on photograph 56864.

There are no bluffs or cliffs.

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

Shore ends of submarine cables have been indicated on the photographs. The cable from Cedar Point to Dauphin Island is no longer used but the cable is still in place. The cable now in use, creases on poles west of the bridge, to the draw span, thence on the bridge towers across the channel.

The cable from Dauphin Island to Fort Morgan Coast Guard Station is still in use.

There are no other shoreline structures.

8. Offshore Features

The only offshore features are aids to navigation.

9. Landmarks and Aids

All landmarks for nautical charts have been indicated on the photographs. Form 567 will be submitted at a later date.

The only significant interior landmark is Fort Gaines in map T-10772.

There are no aeronautical aids in the area.

Fixed aids to navigation were located by one of the following methods:

- 1 Triangulation.
- 2 Theodolite cuts from identifiable photograph points.
- 3 Sextant fixes with check angles.

The daybeacons along a channel in Dauphin Island Bay, map T-10762, are privately maintained by Dauphin Island Marina Inc. These aids were numbered for the convenience of the observer only. Form 567 will be submitted at a later date.

10. Boundaries, monuments and Lines

See Special Report Boundaries Project Ph-5704, which will be submitted at a later date.

11. Other Control

The following recoverable topographic stations were established: Pond, 1958 (T-10761), Sand, 1958 (T-10770) and Isle, 1958 (T-10771). These stations were located by traverse from monumented triangulation stations. They were classified as recoverable topographic stations since a standardized tape was not used in the taping.

12. Other Interior Features

All roads and buildings were field inspected and have been indicated on the photographs.

Measurements for the bridge, along the causeway, to Dauphin Island were not required by the project instructions.

There are no airports or landing fields.

13. Geographic Names

See Special Report Geographic Names, Project Ph-5704, which will be submitted at a later date.

14. Special Reports and Supplemental Data

1. Special Report Boundaries, Project Ph-5704.
2. Special Report Geographic Names, Project Ph-5704.
3. Sketch Third-Order Triangulation, Project Ph-5704,
Bon Secour Bay to Dog Keys Pass.
4. Form 567, Project Ph-5704.

Submitted:

William M. Reynolds
William M. Reynolds

Approved:

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

U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY
DESCRIPTIVE REPORT
CONTROL RECORD

MAP T. 7-10761 PROJECT NO. 5704 SCALE OF MAP 1:19,400 SCALE FACTOR

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR ψ -COORDINATE LONGITUDE OR λ -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)	
MOONIE BAY, PASS AUX HERONS RANGE A REAR LT. 1958	Field P.S.	N.A. 1927	30 17 44.658 88 07 45.923			1375.1 (472.5) 1927.2 (376.2)		113.5 (515.5) 1 R.P. 1'
MISSISSIPPI BAY ALOE, ENT. LT. 1958	"	"	30 16 16.805 88 08 34.811			517.4 (1330.2) 930.5 (673.3)		11 1
W. PASS AUX WATER- HERONS RANGE RANGE "D" REAR LT. 1958	"	"	30 16 14.898 88 08 59.651			458.8 (1388.8) 1594.4 (9.3)		1 1
W. PASS AUX WATER- HERONS RANGE FRONT LT. 1958	"	"	30 16 02.198 88 11 14.570			67.7 (1779.9) 387.9 (1215.9)		1 1
W. PASS AUX WATER- HERONS RANGE FRONT LT. 1958	"	"	30 16 05.829 88 10 53.736			179.5 (1668.1) 1436.4 (167.4)		1 1
CEEDAR 3 1958	Field P.S.	"	30 18 27.152 88 08 14.517			836.1 (1211.5) 387.9 (1215.3)		1 1
MID 3 1935	G.P. G.I.	"	30 14 53.009 88 11 10.552			1432.3 (215.3) 282.1 (1322.0)		1 1
HERON 1935	G.B.	"	30 14 58.912 88 08 07.716			1814.0 (33.5) 206.3 (1397.8)		1 1
DAUPHIN I. BR. NORTH AERO OBSTRUCTION LT. (North of 2) 1960	G.I.	"	30 17 21.200 88 07 43.460			652.8 (1194.8) 1161.4 (442.0)		1 1
DAUPHIN I. BR. SOUTH AERO OBSTRUCTION LT. (South of 2) 1960	G.I.	"	30 17 19.140 88 07 42.450			589.4 (1258.2) 1134.4 (462.0)		1 1

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 for 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
Robert R. Wagner
Cartographer(Photo)

APPROVED & FORWARDED

William R. Koehl

for Arthur L. Wardwell
Tampa District Officer

COMPILATION REPORT
T-10761

PHOTOGRAMMETRIC PLOT REPORT

Submitted with T-10757 this report. Refer to the Descriptive Report for T-10757 for sketch.

31. DELINEATION

The graphic method was used. The field inspection was adequate, there were however, some small conflicts where the shoreline and marsh limits were inspected differently on the single-lens infra-red ratio prints than on the nine-lens panchromatic. These areas are noted on a discrepancy print furnished the field editor.

32. CONTROL

Reference Photogrammetric Plot Report.

33. SUPPLEMENTAL DATA

Planetable survey on blue film for small area on Dauphin Island at longitude 88°08'20" for "construction since photography."

34. CONTOURS AND DRAINAGE

Contours inapplicable.

Drainage delineated in accordance with field inspection.

35. SHORELINE AND ALONGSHORE DETAILS

Shoreline inspection was adequate, see Item 31. Alongshore details were shown as indicated by the inspection. The low-water line was shown as indicated by the field inspection.

36. OFFSHORE DETAILS

None.

37. LANDMARKS AND AIDS

Nonfloating aids and landmarks ^{were} ~~are~~ submitted on Form 567. on 15 July, 1960.

38. CONTROL FOR FUTURE SURVEYS

Three topographic stations have been established and are listed under Item 49.

39. JUNCTIONS

No contemporary survey to the south. T-10771 to the west, T-10757 to the north, T-10772 to the east.

40. HORIZONTAL AND VERTICAL ACCURACY

No statement.

46. COMPARISON WITH EXISTING MAPS

Comparison has been made with "CEDAR POINT, ALA." (USGS) quadrangle scale 1:50,000, Edition of 1943 and with (USGS) quadrangle "FORT MORGAN, ALA." scale 1:50,000, Edition of 1942. USGS quadrangle HERON BAY 1:24,000 edition of 1958 was received and the comparison is good.

Comparison has been made with USC&GS Planimetric map T-5533, scale 1:20,000, 1934 and Planimetric map T-5537, scale 1:10,000, 1934.

The major differences are the bridge across Grants Pass and the north shore of Dauphin Island just west of Graveline Bay.

47. COMPARISON WITH NAUTICAL CHARTS

Comparison has been made with USC&GS Chart No. 873, scale 1:40,000, 1st Edition July 1951, corrected to 16 April 1959. The comparison was favorable, the chart being more recent than the maps listed in Item 46.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None.

ITEMS TO BE CARRIED FORWARD

None.

W. W. Dawsey
W. W. Dawsey
Cartographer (Photo)

Approved and Forwarded:

Arthur L. Wardwell
Arthur L. Wardwell
Chief of Party

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48. GEOGRAPHIC NAME LIST

Nautical Chart 873 and Geological Survey quadrangle HERON BAY of 1958 were the sources for the geographic names.

- ALABAMA
- BAYOU ALOE
- BIENVILLE BLVD
- CEDAR POINT
- DAUPHIN ISLAND
- DAUPHIN ISLAND BRIDGE (TOLL)
- GRANTS PASS
- GRAVELINE BAY
- GULF OF MEXICO
- HERON BAYOU
- INTRACOASTAL WATERWAY
- LAFITTE BAY
- MISSISSIPPI SOUND
- MON LOUIS ISLAND
- MOBILE BAY
- MOBILE COUNTY
- ORO POINT
- PASS AUX HERONS
- PASS AUX HERONS CHANNEL
- POINT ISABEL
- STATE 163

Names approved

JUNE 25, 1968

A. G. Wright
Frank W. Fickett

49. NOTES FOR THE HYDROGRAPHER

Three Topographic stations were established.

* Two are bridge towers and are named TOWER 1958. The other is PCND 1958, a marked station for which Form 524 is submitted.

* NOTE: The two towers were located by 3rd-order triangulation in 1960. The map was corrected to reflect the triangulation station names Aug. 5, 1968 - SGB

18-12

50

PHOTOGRAMMETRIC OFFICE REVIEW OF ADVANCE MANUSCRIPT

T- 10761

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

4a Classification label unclassified

CONTROL STATIONS

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

ALONGSHORE AREAS

(Nautical Chart Data)

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

PHYSICAL FEATURES

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

CULTURAL FEATURES

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

BOUNDARIES

31. Boundary lines XX 32. Public land lines XX

MISCELLANEOUS

33. Geographic names WHS 34. Junctions WHS 35. Legibility of the manuscript WHS 36. Discrepancy overlay XX 37. Descriptive Report WHS 38. Field inspection photographs WHS 39. Forms WHS 40. William H. Shearouse

Reviewer
William H. Shearouse

Supervisor, Review Section or Unit
Milton M. Slavney

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.

William A. Reese
for Rexford E. Smith, Jr.

Compiler

Milton M. Slavney
Milton M. Slavney

Supervisor

43. Remarks:

19 AT.

Field Edit Report
(Shoreline)
Quadrangles T-10761, T-10770 and T-10771
Project PH-5704

51. Methods.

The shoreline was inspected by truck, skiff and walking along the beach. The distance to the MHWL was spot checked along the shoreline with reference to Photo Points, Topographic Stations and Triangulation Stations. 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 ozalid prints T-10761, T-10770 and T-10770; on nine-lens photograph 56747 and infrared photograph 57L2500.

Photographs nine-lens 56741, 56742, 56743, 56744, 56745, 56746, 56748 and infrared 57L2499, 57L2501 are included for use during scribing and stickup of the maps after field edit.

52. Adequacy of compilation.

The map compilation appears complete and adequate.

53. Map accuracy.

The shoreline of the maps is accurate except for the changes since photography as shown on the field-edit sheet.

54. Recommendations.

There are 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: Byrd L. Moore, Fairhope, Alabama.

Submitted:

Michael L. Olivier
Michael L. Olivier

Ensign - C&GS

Photo Hydro Support Unit 720

REVIEW REPORT T-10761
PLANIMETRIC
January 9, 1968

61. GENERAL STATEMENT:

See Summary accompanying the Descriptive Report.

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS:

Comparison was made with Registered Survey T-5537 compiled at 1:10,000 scale from photographs of June 23, 1934. The shoreline of Dauphin Island has undergone changes since 1934. These changes have been indicated on the Comparison Print in blue.

Survey T-10761 supersedes the older survey for Nautical Chart construction purposes.

63. COMPARISON WITH MAPS OF OTHER AGENCIES:

Comparison was made with USGS HERON BAY, ALA. and FORT MORGAN NW, ALA., 1:24,000 scale, 7½ minute quadrangles, editions of 1958. The two surveys are in good agreement except in the area of Oro Point, latitude 30° 15' 18", longitude 88° 08' 45", where changes have been occurred in the shoreline.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS:

Comparison was made with copies of smooth sheets H-8524, ECFP-10-1-60, H-8560 ECFP-10-4-60, and H-8642 ECFP-10-10-61. The shoreline of the smooth sheets and the manuscript are in good agreement except in the area of Oro Point, latitude 30° 15' 18", longitude 88° 08' 48". The shoreline at this point is shown on the smooth sheet with a dashed line, the source of which could not be determined by the final reviewer. It is believed that even this has been changed by recent dredging and filling in the area.

The comparison of the smooth sheet and manuscript have been indicated on the Comparison Print in purple.

65. COMPARISON WITH NAUTICAL CHARTS:

Comparison was made with Nautical Chart 872-SC, 2nd Edition, corrected thru NM 38-Sept. 17, 1966. The following were noted:

Pas Aux Herons Range D Front Light and Bayou Aloe Entrance Light 2 have been moved to new positions subsequent to their being located by triangulation in 1958.

Pass Aux Herons Light 26 has been removed and replaced by a buoy.

Two markers located at latitude $30^{\circ} 15' 30''$, longitude $88^{\circ} 08' 17''$ and $30^{\circ} 15' 45'' - 88^{\circ} 08' 23''$, respectively, are not shown on this survey.

To the south of Cedar Point and on the west side of the Dauphin Island Bridge a number of stakes, piles, pipe and rocks, appear on the chart. These were not visible on photographs of the area, however, some were verified by the hydrographer.

The comparison of the two surveys has been indicated 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.

67. PHOTOGRAPHS:

The following photographs (office) were examined during final review: 57L-2495 thru 57L-2498, 57L-2500, 57L-2760 and 2761, 56863 and 56864.

No field inspection or field edit photographs were available. *

SEE BELOW

Reviewed by:

Leo F. Beugnet
Leo F. Beugnet

Approved by:

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

Approved by:

Charles L. Lerner
Chief, Photogrammetric Branch 138

R. H. H. H. H.
Chief, Photogrammetry Division

John C. Boyer
Chief, Nautical Chart Division
Marine

* apparently lost - not found with project data
recovered from W.Va. Ave. files.

NOTE: No Form 567 copies are included in this report. Forms were forwarded to the Marine Chart Division 15 July 1960.

PH-5704
Revision Data

RS 889 (T-10761)

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.

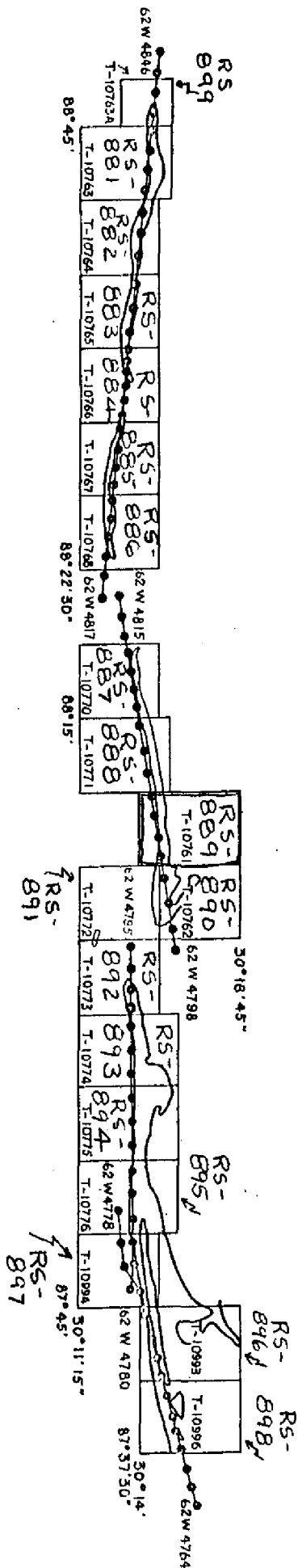
Compilation reports for some revision surveys are lost. Available reports are included in the Descriptive Reports for the registered shoreline surveys.

No compilation report was found
for this map (RS-889).

DSB

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.