

10758

Original

10758

10758

Form 504	
U. S. DEPARTMENT OF COMMERCE	
COAST AND GEODETIC SURVEY	
DESCRIPTIVE REPORT	
Type of Survey	Planimetric
Field No.	Office No. T-10758
LOCALITY	
State	Alabama
General locality	Mobile County
Locality	Alabama Port
1957 - 1960	
CHIEF OF PARTY	
Roger F. Lanier, Chief of Field Party	
William R. Kachel, Tampa District Office	
LIBRARY & ARCHIVES	
DATE	

USCOMM-DC 5087

DESCRIPTIVE REPORT - DATA RECORD

T - 10758

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: **William R. Kachel**

Instructions dated (II) (III): **(II) 23 June 1958 (Field)**

Copy filed in Division of
Photogrammetry (IV)

10 Feb. 1959 (Field Suppl. 1)

(III) 7 April 1959 (Office)

9 Sept. 1959 (Stereo Bridging)

17 August 1959 (Office Suppl. 1)

6 Oct. 1959 (Office Suppl. 1)

17 August 1959 (Field Suppl. 2)

10 Nov. 1959 (Field and Office Suppl. 3)

Location of Aids to Navigation dated 7 Oct. 1959

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):

JAN 12 1961 (Final - April 15, 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): **MON LOUIS, 1930**

Lat.: **30°21'40.266" (1239.9 m.)** Long.: **88°06'54.182" (1446.9 m.)**

Adjusted

~~Unadjusted~~

Plane Coordinates (IV):

State: **ALABAMA**

Zone: **WEST**

Y= **131,875.24 Ft.**

X= **306,018.47 Ft.**

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): **Leo F. Beugnet**

Date: **Sept. 1958**

Planetable contouring by (II): **Inapplicable**

Date:

Completion Surveys by (II): **M. L. Olivier**

Date: **Sept. 1960**

Mean High Water Location (III) (State date and method of location): **Air Photo Compilation**

Date of photographs: **Nov. 19, 1959**

Projection and Grids ruled by (IV): **P. J. Dempsey (W.O.)**

Date: **April 1959**

Projection and Grids checked by (IV): **R. D. Shoup (W.O.)**

Date: **April 1959**

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

Date: **May 1959**

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

Date: **May 1959**

Radial Plot or Stereoscopic
Control extension by (III): **R. R. Wagner**

Date: **Sept. 1959**

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

Date:

Date:

Manuscript delineated by (III): **R. Dossett**

Date: **Nov. 1959**

of compilation
Photogrammetric Office Review/by (III): **W. H. Shearouse**

Date: **Dec. 1959**

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

Date:

DESCRIPTIVE REPORT - DATA RECORD

3*

Camera (kind or source) (III):

C&GS Nine-lens

PHOTOGRAPHS (III)

Number	Date	Time	Scale	Stage of Tide
56673	11/9/57	1229	1:10,000	-0.2
56860	11/19/57	1531	"	+0.8
56861	11/19/57	1532	"	+0.8
56862	11/19/57	1532	"	+0.8

Predicted Tide (III)

Diurnal

Reference Station: **MOBILE**
Subordinate Station: **MOBILE PT. (FT MORGAN)**
Subordinate Station:

Ratio of Ranges	Mean Range	Spring Range
		1.5
		1.2

Washington Office Review by (IV): *Leo F. Baugnet, Atlantic Marine Center* Date: *Dec. 1967*

Final Drafting by (IV): **V. P. Cackowski (Tampa District Office)** Date: **Nov. 1960**
" " Review by: **W. H. Shearouse** " " " Date: **Dec. 1960**

Drafting verified for reproduction by (IV): Date:

Proof Edit by (IV): Date:

Land Area (Sq. Statute Miles) (III): **2**
Shoreline (More than 200 meters to opposite shore) (III): **2**
~~Shoreline (Less than 200 meters to opposite shore) (III):~~
Control Leveling - Miles (II): **Inapplicable**
Number of Triangulation Stations searched for (II): **2** Recovered: **2** Identified: **2**
Number of BMs searched for (II): **1** Recovered: **1** Identified: **1***
Number of Recoverable Photo Stations established (III): **1**
Number of Temporary Photo Hydro Stations established (III): **None**

Remarks:

*Tidal BM 1, Form 685 not submitted by field party

COMPILATION RECORD

COMPLETION DATE

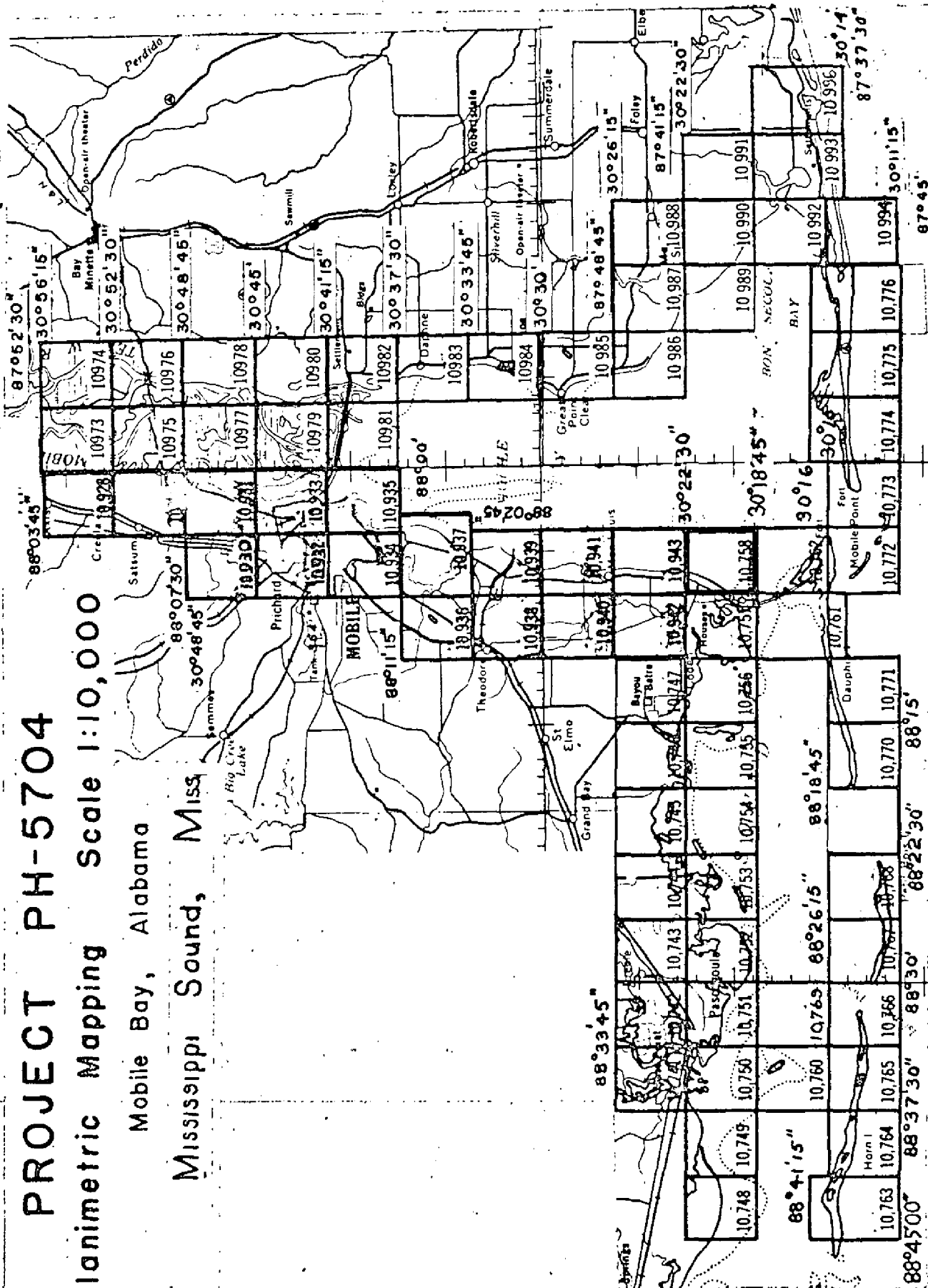
REMARKS

Compiled	November 1959	
Field Edit	September 1960	
Final Review	December 1967	

Planimetric Mapping

Mobile Bay, Alabama

Mississippi Sound, Miss



SUMMARY TO ACCOMPANY
DESCRIPTIVE REPORT T-10758

Planimetric survey T-10758 is one of seventy-four similar surveys in Project PH-5704. It covers a part of the western shore of Mobile Bay in the vicinity of Alabama Port. The location of the map in the project is shown on page 5 of this report.

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

Compilation was by graphic methods using the 1:10,000 9-lens photography of November 1957. Cronaflex copies of the manuscript along with specially prepared photographs and ozalid prints were subsequently provided for preparation of the hydrographers boat sheet, photo-hydro support and field edit use.

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
Maps T-10746, T-10747, T-10755 through T-10758
Project Ph-5704

2. Areal Field Inspection These maps are located in southwestern Alabama along the northern side of Mississippi Sound and the west side of Mobile Bay. The land area is the mainland along the sound and several offshore islands. The area is sparsely settled except for several small villages, Bayou La Batre, Coden and Heron Bay. Bayou La Batre is the only incorporated village in the area. The principal industries are shrimp fishing and oystering. The shrimp and oyster fleets base out of Bayou La Batre and Coden. The area is accessible by shallow draft boats and an adequate network of hard-surfaced highways.

The offshore islands are un-inhabited and are entirely marsh except for sand or shell fringes along the edges.

Field inspection is believed complete and no items were deliberately left for field edit.

Photography was of fairly recent date and of good quality. The usual tone changes were evident on the photographs, white in sand or shell areas, grey in marsh and open, uncultivated areas and black in the wooded areas. Attention is called to the areas of grass in water and marsh. The difference in tone is indefinite and considerable time was spent walking along the shore in order to indicate the apparent shoreline on the photographs. It is believed the correct line has been indicated. The black tones, in the marsh areas, are covered by much higher grass than the grey tones. The grass along the edges of the marsh also appear to have increased in density since photography. Field inspection notes appear on the following nine-lens photographs, 56586 through 56591, 56662 through 56666, 56668, 56677 through 56680, 56751 through 56755, 56788, 56790, 56792, 56793 and 56860 through 56862.

3. Horizontal Control All Coast and Geodetic Survey control was searched for and where recovered was identified to control the plot.

A small scheme of third-order triangulation was observed. The following stations were established, MARSH, MURDER 2, Miss. Sound, Bayou Coden Channel Leading Light, Miss. Sound, Bayou La Batre Light 2, Miss. Sound, Bayou La Batre Light 6, Miss. Sound Bayou La Batre Range Front Light, Miss. Sound, Bayou La Batre Range Rear Light and Mobile Marine Radio Antenna WLO.

The following third-order traverse stations established by the Alabama Geodetic Survey were recovered and identified, 304-2, 304-9, 304-10, 318-3, 318-6, 318-13, 325-4, 328-2, 334-1 and 334-2.

The following stations were reported lost, CAT 2 1935, MURDER 1910, NEGRO 1910, Hotel Center Gable 1910, IN 1910, East End First Shack 1910, East End Second Shack 1910, East End Third Shack 1910, Port Chimney 1910, LIT 1910, LIGHT 1910, TREE 1910, Y TREE 1910, BAR 1910, JULES HOUSE SOUTHEAST GABLE 1910, HERON 1910, RAN 1910, EAST CHIMNEY (THREE DECKER) 1910, Bayou La Batre Beacon No. 2 1935, Bayou La Batre Beacon No. 4 1935, 205-5 1940, 301-1 1940, 301-2 1940, 304-1 1940, 304-2 1940, 304-4 1940, 315-2 1940, 318-4 1940, 318-7 1940, 318-8 1940, 318-9 1940, 318-10 1940, 318-12 1940, 328-1 1940, 328-3 1940, 328-4 1940, 328-5 1940, 329-3 1940, 329-4 1940 and 334-1 1940.

The following stations were reported lost but were identified. CAT 1935 and JULIET 1910* reference marks were identified in lieu of the stations. The monuments at stations 304-2 and 334-1 were broken off but were identified. The disk had been removed from 329-2 but the station was identified.

4. Vertical Control Two tidal bench marks were recovered and identified. The marks are Alabama Port, Mobile Bay Bench Mark 1 or X 11 (1918) and Bayou La Batre Tidal BM Z 10 (1918). No other control was searched for.

5. Contours and Drainage Contours are inapplicable. The short streams inland from the shore are self-evident from the photographs.

6. Woodland Cover Adequately covered by the Photographs.

7. Shoreline and Alongshore Features The mean high water line and apparent shoreline was inspected by skiff and walking along the shore. Several different tones were noted as marsh. Some of the difference is due to different heights and density of the grass. The only difficulty was in determining the line between marsh and grass in water. These areas were carefully inspected and correctly indicated on the photographs.

The approximate low water line was indicated around two bars on photographs 56664 and 56677.

There are no bluffs or cliffs.

~~* See 1959 Form 526, "JULIET" is Destroyed~~
~~See Photogrammetric Plot Report~~

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

Shoreline inspection notes have been indicated on the following photographs, 56662 through 56664, 56677 through 56679, 56751, 56752, 56754, 56755, 56793, 56860, 56861 and 56862.

8. Offshore Features There are none.
9. Landmarks and Aids There are no landmarks for nautical charts in this area.

There are no aeronautical aids in the area.

Fixed aids to navigation were located by three methods, triangulation or direct photograph identification. The daybeacons along Bayou LaBatre were visible on one photograph. An angle and distance, from a photo point, were observed as a check on their location. The daybeacons along Bayou Caden were located by angle and distance from identifiable photo points.

10. Boundaries, Monuments and Lines The only boundaries affecting these maps are the corporate limits of Bayou La Batre. These will be submitted at a later date.

11. Other Interior Features All roads have been classified on the field inspection photographs.

Buildings were field inspected and have been indicated on the photographs.

Measurement of bridges and cables was not required by the project instructions.

There are no airports or landing fields.

12. Other Control The recovered and established horizontal control filled the requirements for spacing stations.

13. Geographic Names See Special Report Geographic Names Project Ph-5704. The report will be submitted at a later date.

14. Special Reports and Supplemental Data

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

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

Submitted:

William M. Reynolds
William M. Reynolds
Cartographer

Approved and Forwarded:

Roger F. Lanier
Roger F. Lanier
Chief of Party

RFL/aga

SCALE FACTOR

U.S. 3042061 METES
R. G. PETER
DATE 4-29-59
COUNTED BY R. G. PETER
422-59
SUM. DC 579-59

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 ^{included in the Descriptive Report for T-10757,} 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.

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-10758

PHOTOGRAMMETRIC PLOT REPORT

~~Submitted with T-10757~~

31. DELINEATION

Compiled graphically.

The photographs, though tilted, were of reasonably good scale. Photograph 56860 had the best scale for the particular area embracing this map manuscript.

Field inspection was adequate.

32. CONTROL

See photogrammetric plot report.

33. SUPPLEMENTAL DATA

None.

34. CONTOURS AND DRAINAGE

Contours are inapplicable.

Drainage has been delineated as shown photographically.

35. SHORELINE AND ALONGSHORE DETAILS

The entire shoreline is fast being bordered with sand or trees. All alongshore structures noted by the field inspector have been delineated accordingly.

No low-water or shoal lines have been shown.

36. OFFSHORE DETAILS

None.

37. LANDMARKS AND AIDS

None.

38. CONTROL FOR FUTURE SURVEYS

One topographic station is being submitted on form 524 and is listed under item 49.

39. JUNCTIONS

A satisfactory junction has been made with T-10757 on the west and T-10743 on the north. There is no survey on the south or west.

40. HORIZONTAL AND VERTICAL ACCURACY

No statement.

46. COMPARISON WITH EXISTING MAPS

A comparison has been made with U. S. G. S. topographic quadrangle CEDAR POINT ALABAMA, edition of 1943, scale 1:62,500, surveyed in 1940-41; and U. S. C. & G. S. planimetric map T-5533, scale 1:20,000, compiled from air photographs taken July 16, 1934. No outstanding discrepancies were noted in the shoreline. Inshore, some new second-class roads are shown in the vicinity of Point Judith.

47. COMPARISON WITH NAUTICAL CHARTS

A comparison was made with nautical chart 1266, scale 1:80,000, 15th edition, published 16 November 1959. Except for additional alongshore structures in the vicinity of Point Judith, no outstanding differences were noted.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None.

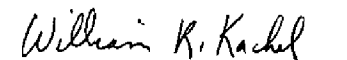
ITEMS TO BE CARRIED FORWARD

None.


Rudolph Doggett
Carto Photo Aid



APPROVED AND FORWARDED


William R. Kachel
LCDR, C&GS
Tampa District Officer

48. GEOGRAPHIC NAME LIST

Excepting the names noted below, all were taken from the Geographic Name Sheet of 23 May 1958 by L. Heck to the field party.

- ALABAMA
- ALABAMA PORT
- CEDAR POINT ROAD (Field Inspector)
- GATES BAYOU
- MOBILE BAY
- MON LOUIS ISLAND
- POINT JUDITH
- STATE 163 (Ala. Highway Map)
- STATE 188 (Ala. Highway Map)

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

PHOTOGRAMMETRIC OFFICE REVIEW

T. 10758

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 RRW 6. Recoverable horizontal stations of less than third-order accuracy (topographic stations) WHS 7. Photo hydro stations XX 8. Bench marks WHS 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 XX 14. Rocks, shoals, etc. XX 15. Bridges XX 16. Aids to navigation XX 17. Landmarks XX 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

Milton M. Slavney

Supervisor, Review Section of 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.

Robert P. Wagner

Complier

Milton M. Slavney

Supervisor

43. Remarks:

19 13.

Field Edit Report
(Shoreline)
Quadrangles T-10942, T-10943, T-10757, T-10758
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.

Field-edit information has been shown on field-edit sheets for T-10942, T-10943, T-10757, and T-10758.

52. Adequacy of compilation.

Map compilation appears complete and adequate.

53. Map accuracy.

The shoreline of the maps is accurate except for the minor changes since photography as shown of 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, 36 N. Section Street, Fairhope, Alabama.

Submitted:

Michael L. Olivier
Michael L. Olivier

Photo Hydro Support Unit 720

REVIEW REPORT T-10758
PLANIMETRIC
December 18, 1967

61. GENERAL STATEMENT:

See Summary accompanying the Descriptive Report.

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS:

Comparison was made with Registered Survey T-5533, 1:20,000 scale, compiled from photography of July 1964. The comparison was good, the minor changes along the shoreline have been noted on the Comparison Print in blue.

63. COMPARISON WITH MAPS OF OTHER AGENCIES:

Comparison was made with U.S.G.S. LITTLE DAUPHIN ISLAND, ALA., 1:24,000 scale, 7½ minute quadrangle, edition of 1958. Except for minor changes in the shoreline along the west side of Mobile Bay the two surveys are in good agreement.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS:

Comparison was made with a copy of smooth sheet H-8560, ECFP-10-4-60 and H-8561, ECFP-10-5-60.

The following detail do not appear on the smooth sheet H-8560.

<u>Object</u>	<u>Latitude</u>	<u>Longitude</u>
Piers	30° 21' 57"	88° 06' 42"
Platform	30 21 50	88 06 40
Platform	30 21 50	88 06 34
Platform	30 21 59	88 06 29

The above have been noted 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 and Chart 1266, 20th edition, April 17, 1967. The difference in the shoreline of Chart 872-SC and the manuscript has been shown on the Comparison Print in red. A boat shed in ruins at latitude 30° 22' 25", longitude 88° 06' 24" is shown on Chart 1266 as a pile.

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

Approved by:

Charles L. Lamm
Chief, Photogrammetric Branch *AVB*

R. H. Koutch
Chief, Photogrammetry Division

John C. Boyer
Chief, Nautical Chart Division
Marine