

**T-10973**

Original

**T-10973**

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Form 504.	
U. S. DEPARTMENT OF COMMERCE	
COAST AND GEODETIC SURVEY	
DESCRIPTIVE REPORT	
Type of Survey	Planimetric
Field No.	Office No. T-10973
LOCALITY	
State	ALABAMA
General locality	MOBILE BAY
Locality	TWENTYONE MILE BLUFF
1957 - 1961	
CHIEF OF PARTY	
Joseph K. Wilson, Chief Field Party	
V. R. Sobieralski, Tampa District Officer	
LIBRARY & ARCHIVES	
DATE	

USCOMM-DC 5087

DESCRIPTIVE REPORT - DATA RECORD

T - 10973

Project No. (II): Ph-5704

Quadrangle Name (IV):

Field Office (II): Fairhope Ala.

Chief of Party: Joseph K. Wilson

Photogrammetric Office (III): Tampa, Fla.

Officer-in-Charge: V. R. Sobieralski

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

Copy filed in Division of  
Photogrammetry (IV)

10 Feb. 1959 (Field Suppl.1)

III 7 Apr. 1959 (Office)

9 Sept. 1959 (Stereo Bridging)

17 Aug. 1959 (Office Suppl.1)

6 Oct. 1959 (Office Suppl.1)

17 Aug. 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): 8/13/59 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): REED 1938

Lat.: 30°54'51.218" (1577.3 M)

Long.: 87°57'54.406" (1444.7 M)

Adjusted  
~~Unadjusted~~

Plane Coordinates (IV):

State:

Zone:

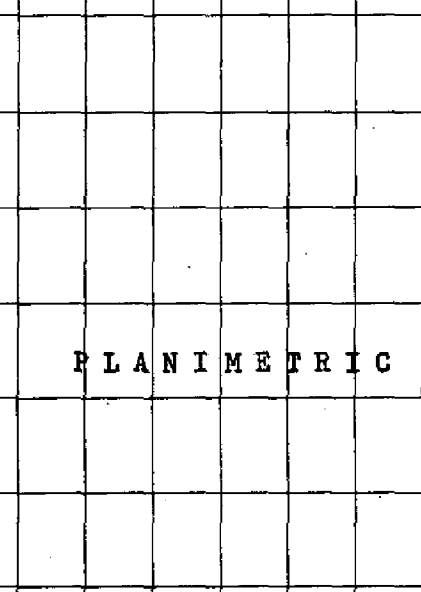
Y=

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.

DESCRIPTIVE REPORT - DATA RECORD



PLANIMETRIC

Areas contoured by various personnel  
(Show name within area)  
(II) (III)

Inapplicable

DESCRIPTIVE REPORT - DATA RECORD

Field Inspection by (II): W. M. Reynolds

Date: Aug. 1959

Planetable contouring by (II): Inapplicable

Date:

Completion Surveys by (II): Lt. (jg) W.V.Hull

Date: March 1961

Mean High Water Location (III) (State date and method of location): Air Photo Compilation  
Date of Photographs: 20 Nov. 1957

Projection and Grids ruled by (IV): J.E.T. (W.O.)

Date: Nov. 1959

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

Date: Dec. 1959

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

Date: Mar. 1960

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

Date: Mar. 1960

Radial Plot ~~on Stereoscopic~~

Date: Aug. 1960

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

Stereoscopic Instrument compilation (III):  
Planimetry  
Contours

Date:

Inapplicable

Date:

Manuscript delineated by (III): R. Doss ett

Date: Oct. 1960

of compilation  
Photogrammetric Office Review by (III): I. I. Saperstein

Date: Dec. 1960

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

Date:

# DESCRIPTIVE REPORT - DATA RECORD

Camera (kind or source) (III): **U.S.C. & G.S. Nine-lens**

## PHOTOGRAPHS (III)

Number	Date	Time	Scale	Stage of Tide
56979	20 Nov. 1957	11:00	1:10,000	No tide
56980	" "	11:01	"	in
56981	" "	11:01	"	rivers

Tide (III)  
**Inapplicable**

Reference Station:  
Subordinate Station:  
Subordinate Station:

Ratio of Ranges	Mean Range	Spring Range

Washington Office Review by (IV):

Date:

Final Drafting by (IV): **R. Dossett (Tampa District Office)**

Date: **June 1961**

Final Drafting Rev'd. By: **W.H. Shearouse (Tampa Dist. Office)**

**Sept. 1961**

Drafting verified for reproduction by (IV):

Date:

Proof Edit by (IV):

Date:

Land Area (Sq. Statute Miles) (III): **15**

Shoreline (~~Number of 100 yard segments established (II):~~): **25 linear miles**

~~Shoreline (Number of 100 yard segments established (II):~~

Control Leveling - Miles (II):

Number of Triangulation Stations searched for (II): **2**

Recovered: **2**

Identified: **2**

Number of BMs searched for (II): **none**

Recovered:

Identified:

Number of Recoverable Photo Stations established (III): **1**

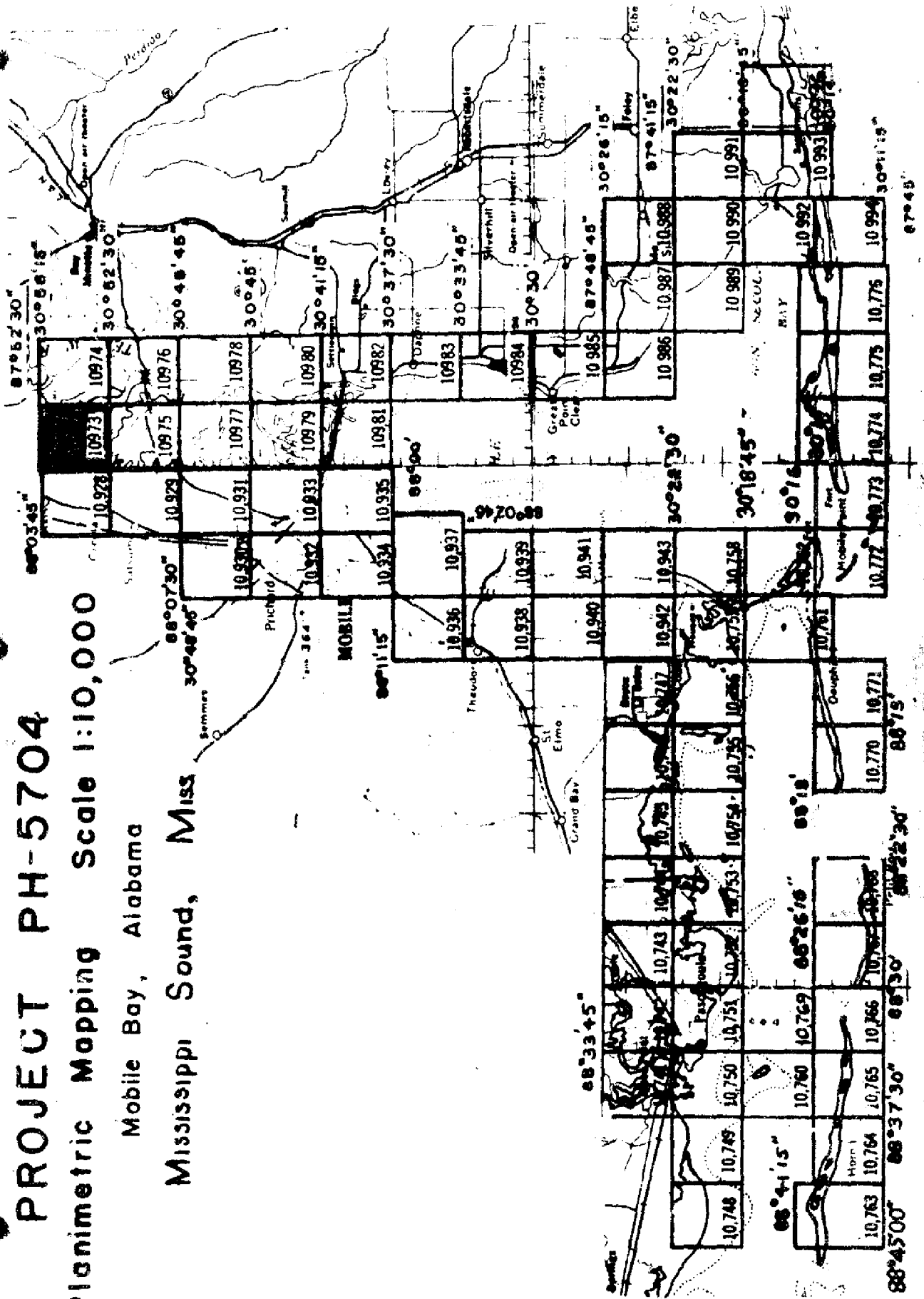
Number of Temporary Photo Hydro Stations established (III): **none**

Remarks:

# PROJECT PH-5704

Planimetric Mapping Scale 1:10,000

Mobile Bay, Alabama  
Mississippi Sound, Miss



FIELD INSPECTION REPORT  
Project Ph-5704  
Map T-10973

Please refer to the Field Inspection Report for Map T-10974 for all data  
Pertaining to this map.

Submitted:

*Joseph K. Wilson*  
Joseph K. Wilson  
Chief, Photo Party 720

SCALE FACTOR

1 FT. = 3048006 METER  
COMPUTED BY: *RJP*  
DATE: *Nov 6 59* CHECKED BY: *115*  
DATE: *29 Jan 60* COMM. DC. 5784 0



COMPILATION REPORT  
T-10978

PHOTOGRAMMETRIC PLOT REPORT

Submitted with T-10928

31. DELINEATION

The graphic method was used.

The scale of the photographs ranged from fair to poor.

Field inspection was adequate.

32. CONTROL

See Photogrammetric Plot Report.

33. SUPPLEMENTAL DATA

None.

34. CONTOURS AND DRAINAGE

Contours are inapplicable.

All drainage was delineated if it could be seen after stereoscopic examination. Some drainage in the heavily wooded swamps could not be seen and was therefore omitted.

35. SHORELINE AND ALONGSHORE DETAILS

The shoreline was delineated along the edge of the tree and swamp lines as indicated by the field inspection, which was adequate. Several boat sheds have been shown along the shore of Dead Lake.

36. OFFSHORE DETAILS

None.

37. LANDMARKS AND AIDS

None.

38. CONTROL FOR FUTURE SURVEYS

One topographic station has been established by traverse, form 524 submitted and is listed under Item 49.

39. JUNCTIONS

A satisfactory junction has been secured with T-10928 on the west, T-10974 on the east and T-10975 on the south. There is no contemporary survey to the north. The area of this map manuscript falls within the N.W. portion of U.S.G.S. 15' quadrangle "Bay Minette, Ala." scale 1:62500, surveyed in 1940-41. Various stream positions were checked by scale and found to be in good agreement.

40. HORIZONTAL AND VERTICAL ACCURACY


No statement.

46. COMPARISON WITH EXISTING MAPS

Comparison has been made with U.S.G.S. quadrangle "Bay Minette, Ala." scale 1:62500, surveyed in 1940-41. Comparison was favorable. There are no planimetric maps for the area.

47. COMPARISON WITH NAUTICAL CHARTS

There are no charts for the area.

  
Rudolph Bossett  
Carto - Photo Aid

Approved and Forwarded:



V. Ralph Sobieralski  
Tampa District Officer

48. GEOGRAPHIC NAME LIST

Names were taken from U.S.G.S. BAY MINETTE quadrangle.

ALABAMA

BALDWIN COUNTY  
BAT CREEK  
BAYOU ZEAST  
BIG BRIAR CREEK  
BIG LIZARD CREEK  
BRAGGS NECK

DEAD LAKE  
DUCK BAYOU

GROMPAU BRANCH

LITTLE LIZARD CREEK

MOBILE COUNTY  
MOBILE RIVER

SAND LANDING  
SIPAU BRANCH  
SIX BITS CREEK  
SQUIRREL BAYOU

THE BASIN  
TWENTYONE MILE BLUFF

*names approved  
12-10-65  
A. J. Wraight*

49. NOTES FOR THE HYDROGRAPHER

The following station may be of use to the hydrographer:

REED AZ. MARK, 1938.

50.

PHOTOGRAMMETRIC OFFICE REVIEW OF ADVANCE MANUSCRIPT

T- 10973

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

CONTROL STATIONS

Unclassified

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 IIS

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 WHS 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 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.

*No corrections or additions noted by Field Editor.*

Compiler

Supervisor

43. Remarks:

Field Edit Report  
(Shoreline)  
Quadrangles T-10928, T-10973,  
T-10974, T-10975, T-10976,  
T-10977, T-10978, T-10981.

51. Methods

The shoreline was inspected by truck and skiff. The distance to the MHUL was spot checked at intervals from points of known location and found to be correct and adequate, except where noted on the ozalid copies of the map manuscripts and the photographs.

Corrections and additions to the manuscript have been noted on the field edit sheets in red and on the photographs in purple. Deletions are shown in green.

Field edit information has been shown on field edit sheets for T-10928, T-10973, T-10974, T-10975, T-10976, T-10977, T-10978, T-10981; on nine lens photographs 56891, 56893, 56948, 56950, 56954, 56959, 56971, 57012, 57013; nine lens office print 56959.

52. Adequacy of Compilation.

The map compilation appears complete and adequate with the exception to the corrections and additions as shown on the ozalid field edit sheets.

53. Map accuracy.

The accuracy of the map compilation appears to be complete and adequate.

54. Recommendations:

There are no recommendations.

55. Examination of Proof Copy.

No one was contacted to examine a proof copy of the map.

Submitted:  
*Wesley V. Hull*  
Wesley V. Hull  
LTJG C&GS  
Photo Hydro Support Unit 721

Review Report  
Planimetric Maps  
T-10973 thru T-10980  
November 1965

61. General Statement

Area - The project encompasses Mobile Bay and its approaches.

Purpose - The object of this project is to provide base maps for nautical charting and shoreline and horizontal control data for hydrographic surveys.

62. Comparison with Registered Topographic Surveys

T-3713	1:40,000	1918
T-5530	1:20,000	1934

Cultural and shoreline changes have been continuous. These maps are to supersede the above surveys for common area for nautical charting. Also see Item 46.

63. Comparison with Maps of Other Agencies

Bay Minette	1:62,500	1941
Hurricane	1:24,000	1953
Bridgehead	1:24,000	1953

See Item 46.

64. Comparison with Contemporary Hydrographic Surveys

H-8588	1:10,000	1961
H-8589	1:10,000	1961
H-8590	1:10,000	1961
H-8591	1:10,000	1961

Shoreline and control of subject surveys was furnished prior to the hydrographic surveys and apparently no difference of importance exists.

65. Comparison with Nautical Charts

1266	1:80,000	1965
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Because of the scale difference only a visual comparison was made. No notable differences exist.

66. Adequacy of Results and Future Surveys

These surveys were prepared according to project instructions and are within the required accuracy for nautical charting.

Reviewed by:

L. C. Lande  
L. C. Lande

Approved by:

Charles Greener  
Chief, Photogrammetric Branch

Chief, Nautical Chart Division

L. F. Woodward  
Chief, Photogrammetry Division