

T-10974**T-10974****T-10974**

Form 504	
U. S. DEPARTMENT OF COMMERCE	
COAST AND GEODETIC SURVEY	
DESCRIPTIVE REPORT	
Type of Survey	PLANIMETRIC
Field No.	Office No. T-10974
LOCALITY	
State	ALABAMA
General locality	BALDWIN - MOBILE COUNTIES
Locality	TENSAW RIVER - MIDDLE RIVER
1957 - 1961	
CHIEF OF PARTY	
Joseph K. Wilson, Chief of Field Party	
W. Ralph Sobieralski, Tampa District Office	
LIBRARY & ARCHIVES	
DATE	

DESCRIPTIVE REPORT - DATA RECORD

T -10974

Project No. (II): Ph-5704

Quadrangle Name (IV):

Field Office (II): Fairhope, Ala.

Chief of Party: Joseph K. Wilson

Photogrammetric Office (III): Tampa, Florida

Officer-in-Charge: V. Ralph 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 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 & 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):

~~Mean sea level~~ except as follows: MHW
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): 604 (AGS) 1939

Lat.:

Long.:

Adjusted

Unadjusted

Plane Coordinates (IV):

State: ALABAMA

Zone: WEST

Y= 341,087.58 Ft.

X= 386,679.39 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

U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

PLANIMETRIC

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

Inapplicable

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Field Inspection by (II):	Joseph K. Wilson Matthew A. Stewart W. M. Reynolds	Date: August 1959
Planetable contouring by (II):	Inapplicable	Date:
Completion Surveys by (II):	Lt. W.V. Hull	Date: March 1961
Mean High Water Location (III) (State date and method of location): Air Photo Compilation Date of photographs: 19-20 November 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: Nov. 1959
Control plotted by (III):	V. P. Cackowski	Date: Apr. 1960
Control checked by (III):	R. E. Smith	Date: Apr. 1960
Radial Plot or Stereoscopic Control extension by (III):	R. R. Wagner	Date: July 1960
Stereoscopic Instrument compilation (III):	Planimetry Contours	Date: Date:
Manuscript delineated by (III):	R. Dossett	Date: Nov. 1960
Photogrammetric Office Review/	of compilation by (III): I. I. Saperstein	Date: Nov. 1960
Elevations on Manuscript checked by (II) (III):	Inapplicable	Date:

DESCRIPTIVE REPORT - DATA RECORD

Camera (kind or source) (III): USC&GS Nine-lens

PHOTOGRAPHS (III)

Number	Date	Time	Scale	Stage of Tide
56894	19 Nov. 1957	1556	1:10,000	To far from Tide
56895	"	1556	"	Station for
56896	"	1557	"	accurate
57004	20 Nov. 1957	1120	"	computation
57005	"	1120	"	
57006	"	1121	"	
57007	"	1121	"	

See above

Tide (III)

Reference Station: None used
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: October 1961

Final Drafting Reviewed by: W.H.Shearouse (Tampa District Office Oct. 1961

Drafting verified for reproduction by (IV):

Date:

Proof Edit by (IV):

Date:

Land Area (Sq. Statute Miles) (III): 14

Shoreline (More than 200 meters to opposite shore) (III): 22 lin. mi.

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

Control Leveling - Miles (II): Inapplicable

Number of Triangulation Stations searched for (II): 6*

Recovered: 5*

Identified: 3*

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

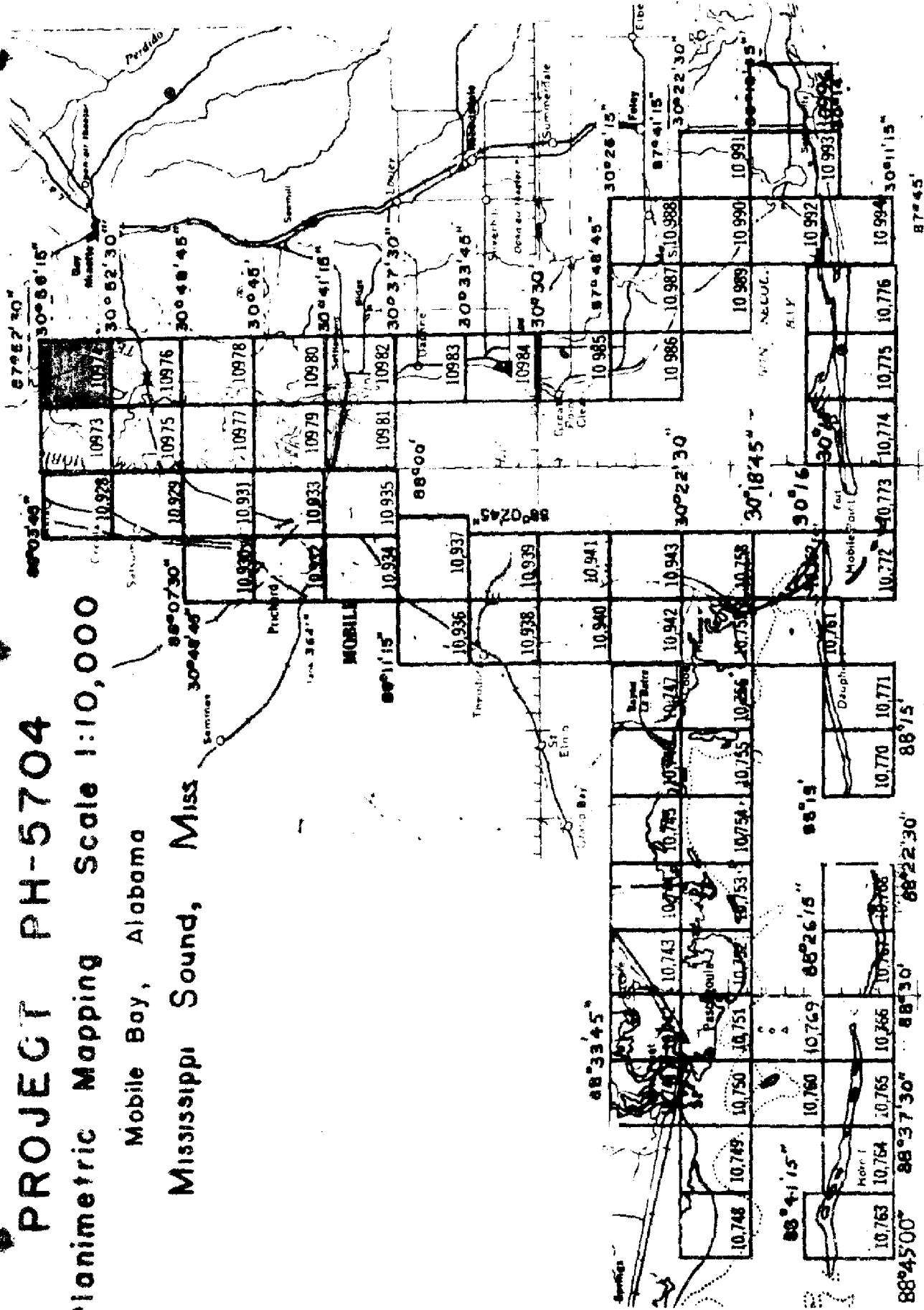
Remarks: *All stations east of project

PROJECT PH-5704

Planimetric Mapping Scale 1:10,000

Mobile Bay, Alabama

Mississippi Sound, Miss



FIELD INSPECTION REPORT
Project Ph-5704
Maps T-10973 thru T-10975
and T-10977

2. AREAL FIELD INSPECTION

These maps are located just north and east of the city of Mobile in an area consisting of mostly marsh and swamp.

The Mobile River, which divides Baldwin and Mobile Counties, runs north-south through maps T-10973, T-10975 and T-10977. The Tensaw River runs north-south through T-10974. The Louisville and Nashville Railroad crosses T-10975 in an east-west direction.

Field Inspection was accomplished on the following nine-lens photographs:

56954, 56955, 56956, 56957, 56958, 56959, 56960, 56974, 56975, 56976, 56977, 56978, 56979, 56980, 56981, 56894, 56895, 57005,

The 1957 nine-lens photographs were of fair quality. The field inspection is believed to be complete and all phases adequately indicated.

3. HORIZONTAL CONTROL

All Coast and Geodetic Survey and Alabama Geodetic Survey stations were searched for and reported on form 526. This includes six stations outside the limits of T-10974.

The following stations have been reported as "destroyed", "lost", or "not recovered":

T-10973

none

T-10974

502, Ala. Geod. S., 1939

T-10975

none

T-10977

CONFOR, 1935

One new flight line at 1:30,000 scale was flown in June 1959 with the Wild Camera. This new flight line will be used to run a stereoplanigraph bridge for strengthening the nine-lens plot. The field inspector has complied with the letter from, Chief, Division of Photogrammetry to Joseph K. Wilson, dated 7 July 1959, 73/rrj. Only one station was affected by the single-lens photographs: Mobile Bay, Louisville and Nashville Draw Span 1935 in map T-10975.

There was no supplemental control established.

4. VERTICAL CONTROL

There are no tidal bench marks within the limits of these maps.

5. CONTOURS AND DRAINAGE

Contouring is inapplicable.

The drainage has been delineated throughout the limits of these maps.

6. WOODLAND COVER

The cover was classified in accordance with Project Instructions and the Topographic Manual. The field inspector has shown in its entirety all swamp and marsh limits.

7. SHORELINE AND ALONGSHORE FEATURES

These maps cover an area of two main rivers and numerous small creeks. The shoreline is mostly apparent. A few areas have fast land. The shoreline has been indicated on the photographs by symbols. No attempt was made to show the low-water line.

All docks, piers, etc. have been shown on the photographs.
Shoreline Inspection has been shown on the following nine-lens photographs:

56954, 56955, 56956, 56957, 56958, 56959, 56960, 56974, 56975,
56976, 56977, 56978, 56979, 56980, 56981, 56894, 56895, 57005.

8. OFFSHORE FEATURES

There were no offshore features noted.

9. LAND MARKS AND AIDS

There are no Nautical landmarks, aeronautical aids or fixed aids to Navigation within the limits of these maps.

10. BOUNDARIES, MONUMENTS AND LINES

The only area which requires a boundary limit is the county line dividing Baldwin and Mobile counties. This line affects maps T-10973, T-10974, T-10975 and T-10977. See Boundary Report for parts 1 and 2 of Project Ph-5704 which was submitted to Washington on 3-2-59.

11. OTHER CONTROL

No monumented Topographic stations were established.

Identification of Photo-hydro stations was not required.

12. OTHER INTERIOR FEATURES

Roads and buildings have been classified on the photographs in accordance with Photogrammetric Instructions 54 and 56.

Submerged and overhead cables have been shown on the photographs. In accordance with Project Instructions, there were no bridge or overhead cable clearances measured.

13. GEOGRAPHIC NAMES

A systematic investigation of Geographic Names was not required. No name discrepancies were noted during field inspection and no new names are recommended.

14. SPECIAL REPORTS AND SUPPLEMENTAL DATA

Boundary Report for Parts 1 and 2 of Project Ph-5704; submitted to Washington 3-2-59.

Letter to Joseph K. Wilson from Chief, Division of Photogrammetry, dated 7 July 1959, 73/rrj.

Submitted
11 August 1959

Joseph K. Wilson
Joseph K. Wilson
Chief, of Party

COMPILATION REPORT T-10974

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.

Drainage was delineated only when it could definitely be seen after stereoscopic examination.

35. SHORELINE AND ALONGSHORE DETAILS

The shoreline has been delineated along the edge of the swamps according to the field inspection. Several boat houses alongshore have been shown. The field inspection is adequate. A foul area of grass and logs noted by the field inspection has been delineated accordingly.

36. OFFSHORE DETAILS

None.

37. LANDMARKS AND AIDS

None.

38. CONTROL FOR FUTURE SURVEYS

None.

39. JUNCTIONS

A satisfactory junction has been secured with T-10973 on the west and T-10976 on the south. There is no contemporary survey to the north and east.

The area of this map manuscript falls within the northwest portion of the USGS 15-minute quadrangle BAY MINETTE, ALABAMA, scale 1:62,500, 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 USGS 15-minute quadrangle BAY MINETTE, ALABAMA, scale 1:62,000, surveyed in 1940-41. Comparison was favorable. There are no planimetric maps available in the area.

47. COMPARISON WITH NAUTICAL CHARTS

There is no chart covering the area.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None.

ITEMS TO BE CARRIED FORWARD

None.

Rudolph Dussert
Rudolph Dussert
Carto Photo Aid

APPROVED AND FORWARDED

V. Ralph Sobieralski
V. Ralph Sobieralski
Tampa District Officer

48. GEOGRAPHIC NAME LIST

Names were taken from USGS BAY MINETTE, ALABAMA quadrangle.

ALABAMA

BALDWIN COUNTY
BAYOU AVALON

DEAD LAKE
DENNIS LAKE

KILLCREAS LAKE

LITTLE LIZARD CREEK

MAPLE BAYOU
MIDDLE RIVER
MIFFLIN LAKE
MOBILE COUNTY

NEGRO LAKE

OWL CREEK

RED HILL CREEK

SIX BITS CREEK
SMITH BAYOU
SQUIRREL BAYOU

TENSAW RIVER
THE BASIN
THE CUTOFF

WASH BRANCH

*Names approved
12-10-65
A. J. Wright*

49. NOTES FOR THE HYDROGRAPHER

None.

50.

PHOTOGRAMMETRIC OFFICE REVIEW OF ADVANCE MANUSCRIPT

T-10974

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 XX 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 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 XX 28. Buildings XX 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 IIS 38. Field inspection photographs WHS 39. Forms WHS

40. William H. Shearouse Milton M. Slavney
Reviewer Supervisor, Review Section or Unit
William H. Shearouse 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.

Compiler

Supervisor

43. Remarks: Field edit of shoreline in March 1961 revealed no changes

JUN 2 1961

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 MHTL 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. Hall
Wesley V. Hall
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 Henson
Chief, Photogrammetric Branch

Chief, Nautical Chart Division

L. J. Woodcock
Chief, Photogrammetry Division