

T-10976**T-10976****T-10976**

Form 504	
U. S. DEPARTMENT OF COMMERCE	
COAST AND GEODETIC SURVEY	
DESCRIPTIVE REPORT	
Type of Survey	PLANIMETRIC
Field No.	Office No. T-10976
LOCALITY	
State	ALABAMA
General locality	BALDWIN COUNTY
Locality	HURRICANE
1957 - 1961	
CHIEF OF PARTY	
Joseph K. Wilson, Chief of Field Party	
V. Ralph Sobieralski, Tampa District Office	
LIBRARY & ARCHIVES	
DATE	

DESCRIPTIVE REPORT - DATA RECORD

T - 10976

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 Aug. 1959 (Office Suppl. 1)

6 Oct. 1959 (Office Suppl. 1)

17 Aug. 1959 (Field Suppl. 2)

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

Location of Aids to Navigation dated 7 Oct. 1959

Method of Compilation (III): Kelsh Plotter and graphic

Manuscript Scale (III): 1:10,000

Stereoscopic Plotting Instrument Scale (III): 1:5,000

Scale Factor (III): Pantographed - 1:10,000

Date received in Washington Office (IV): 9/29/59 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): 633 (AGS) 1940

Lat.:

Long.:

Adjusted

~~Unadjusted~~

Plane Coordinates (IV):

State: Alabama

Zone: West

Y= 301,980.07

X= 377,509.45

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

Joseph K. Wilson
W. M. Reynolds
Field Inspection by (II): Matthew A. Stewart Date: September 1959

Planetable contouring by (II): Inapplicable Date:

Completion Surveys by (II): Lt. W. V. Hull Date: June 1961

Mean High Water Location (III) (State date and method of location): Air Photo Compilation
Date of photography - 20 Nov. 1957 & 20 June 1959

Projection and Grids ruled by (IV): J. E. T. (W.O.) Date: December 1959

Projection and Grids checked by (IV): P. J. Dempsey (W.O.) Date: December 1959

Control plotted by (III): I. I. Saperstein Date: January 1960

Control checked by (III): W. W. Dawsey Date: January 1960

&
Radial Plot ~~by~~ Stereoscopic R. R. Wagner Date: July 1960
Control extension by (III): J. D. Perrow Jr. November 1959

Planimetry
Stereoscopic Instrument compilation (III): W. W. Dawsey Date: October 1960
~~Contours~~ Date:

Manuscript delineated by (III): W. W. Dawsey Date: October 1960

of compilation
Photogrammetric Office Review/by (III): W. H. Shearouse Date: November 1960

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

DESCRIPTIVE REPORT - DATA RECORD

Camera (kind or source) (III): C&GS Nine-lens and Single-lens WILD "W"

4

PHOTOGRAPHS (III)

Number	Date	Time	Scale	Stage of Tide
56891	20 Nov. 1957	1553	1:10,000	Too far inland
56892	"	1554	"	for accurate
56893	"	1555	"	computation
57008	"	1121	"	
57009	"	1122	"	
57010	"	1123	"	
59-W-6024	20 June 1959	1452	1:25,000	
59-W-6025	"	1452	"	
59-W-6026	"	1453	"	

Tide (III)

Reference Station: Not computed. Too far inland from
Subordinate Station: Reference Station for accurate
Subordinate Station: computation

Ratio of Ranges	Mean Range	Spring Range

Washington Office Review by (IV):

Date:

Final Drafting by (IV): W.W.Dawsey (Tampa District Office)

Date: Sept. 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): 14

Shoreline (More than 200 meters to opposite shore) (III): 23 lin. mi.

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

Control Leveling - Miles (II): Inapplicable

Number of Triangulation Stations searched for (II): 12

Recovered: 4

Identified: 3

Number of BMs searched for (II): none

Recovered:

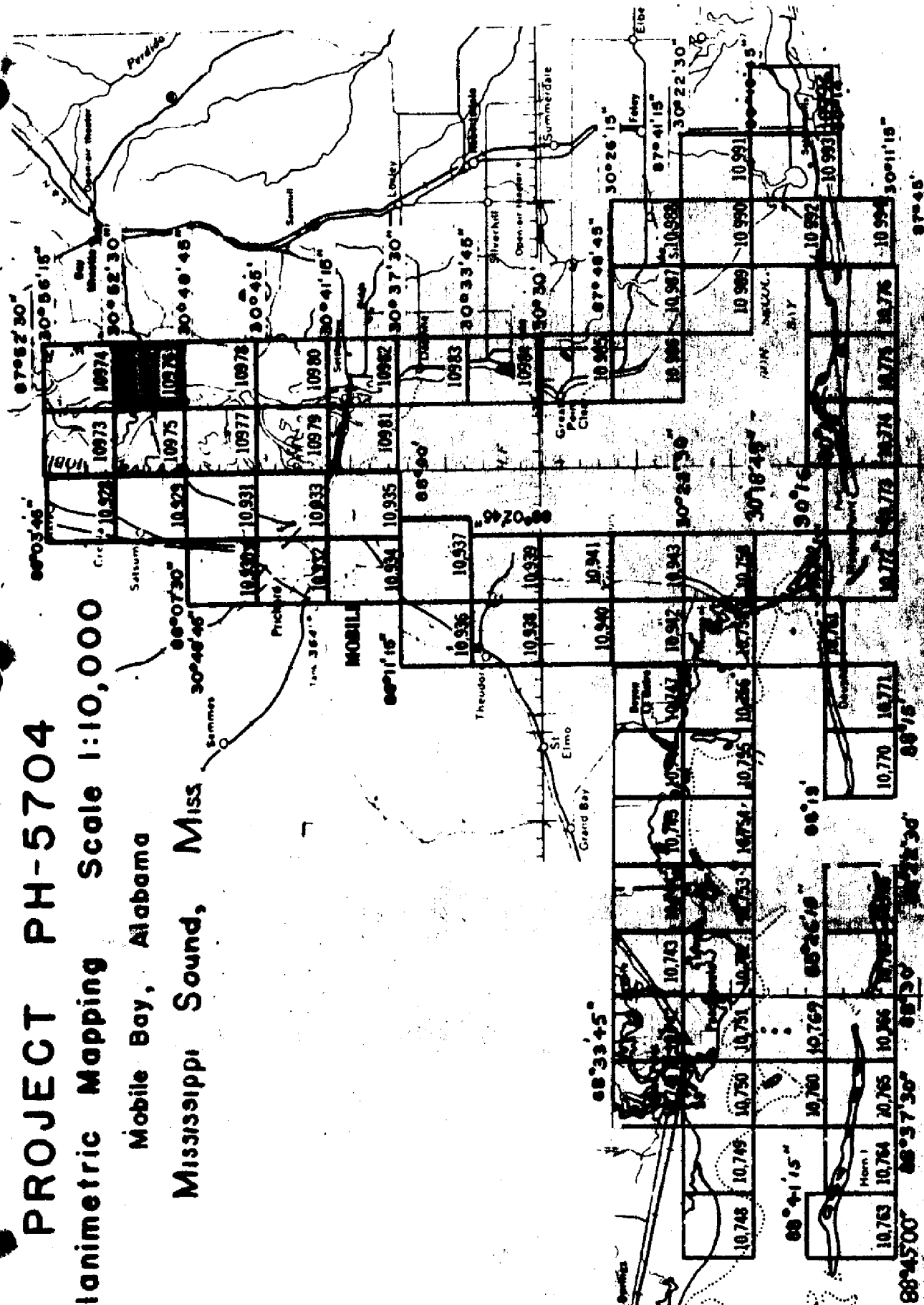
Identified:

Number of Recoverable Photo Stations established (III): none

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

Remarks:

Mississippi Sound, Miss



FIELD INSPECTION REPORT
Project Ph-5704
Map T-10976

Please refer to the Field Inspection Report for Map T-10980 for all data pertaining to this map.

Submitted:

SEP 23 1959

Joseph K. Wilson
Joseph K. Wilson

Chief, Photo Party 720

SCALE FACTOR

[illegible]

8.

COMPILATION REPORT T-10976

Radial Plot and Stereo Bridge reports submitted with T-10928.

31. DELINEATION

Most of the area was compiled by Kelsh Plotter. Approximately 1/2 minute along the north and south limits was delineated by graphic method, this part not being covered by the Kelsh plates. No unusual problems were encountered.

The field inspection was adequate.

32. CONTROL

See Photogrammetric Plot Reports.

33. SUPPLEMENTAL DATA

None.

34. CONTOURS AND DRAINAGE

Contours are inapplicable.

The drainage was delineated by the field inspector, but when some of the delineation was disproved by the details on other photographs, particularly in the swamps, all the drainage that could not be seen was doubted. Only the drainage identified by stereoscopic examination has been shown. Please refer to the letter dated 10 October 1960 on DRAINAGE, Ph-5704 to Chief, Photogrammetry Division from Tampa District Officer for more information about this.

35. SHORELINE AND ALONGSHORE DETAILS

The shoreline and shoreline details were delineated according to the field inspection which was adequate. No low-water or shoal lines were shown.

36. OFFSHORE DETAILS

None.

Tampa District Office
P. O. Box 190 Tampa 1 Florida

10 October 1960

To: Chief, Photogrammetry Division
Coast and Geodetic Survey
Washington, D. C.

Subject: Drainage - PH-5704 MOBILE BAY

The greater portion of the drainage in subject project consists of narrow fingers of swamp (500-1500 Ft. wide) with a perennial stream meandering through the swamp. The field inspector has complied with project instructions by delineating this drainage on the field photographs. Due to the density of the swamp trees, it is impossible to see the stream beds except for occasional short stretches.

We have carefully examined all the streams under the stereoscope on various office photographs. Comparison with the U. S. Geological Survey quadrangles indicates their drainage delineation to be more accurate than our field party's delineation. (Reference copy of memorandum to Wilson attached). One sample area has been returned to the field party and our conclusions were verified for that one particular stream.

We do not believe the streams warrant the expense of the field party traversing them for accurate location, neither do we believe that they should be mapped unless their position is fairly accurate. It appears that this drainage has been delineated on the field photographs without an adequate check with U.S.G.S. quadrangles and/or actual field investigation even though considerable time was probably spent on this phase of the field work. Considerable time has also been spent studying these discrepancies in the office.

It is suggested that the field parties be informed of a definite policy on how much time should be spent on accurately locating drainage, omitting it entirely, or using P.D.U.

On this project, since the narrow fingers of swamp indicate the drainage pattern fairly well, and the streams can be identified only in short stretches, we are omitting them as a whole.

Survey T-10938 is being scribed and will be forwarded in approximately four (4) weeks. The foregoing discrepancies will be noted on various field photographs for your attention.

It is thought that bringing this matter to your attention might eliminate similar difficulties in future projects.

(signed) William R. Kachel
LCR, C&GS
Tampa District Officer

WAR/o

37. LANDMARKS AND AIDS

There are no landmarks.

Two non-floating aids were located and submitted on Form 567 under date of 18 October 1960. A revised position for one of these was forwarded on 22 November 1960.

38. CONTROL FOR FUTURE SURVEYS

None.

39. JUNCTIONS

Satisfactory junctions were made with the following:

T-10974 to the north

T-10975 to the west

T-10978 to the south

There is no contemporary survey to the east. This survey lies within the northeast quarter of the 1:24,000 scale HURRICANE, ALA. quadrangle. Principal details along the east limits are in good agreement.

40. HORIZONTAL AND VERTICAL ACCURACY

No statement.

46. COMPARISON WITH EXISTING MAPS

Comparison has been made with the Geological Survey quadrangle HURRICANE, ALA., scale 1:24,000, revised to 1953.

Comparison was made with Planimetric Map No. T-5530, scale 1:20,000, dated 1934.

The comparison was favorable except for man-made changes and those due to the passage of time.

47. COMPARISON WITH NAUTICAL CHARTS

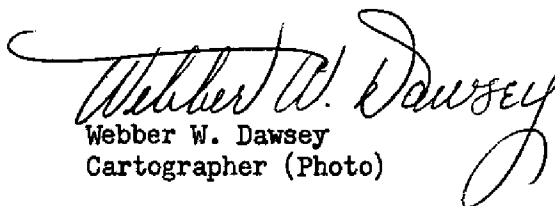
Comparison has been made with Nautical Chart No. 1266, scale 1:80,000, edition of 16 November 1959, corrected to 23 July 1960. The maps listed under item 46 were probably in part the source of the topography for this chart and the same differences exist.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None.

ITEMS TO BE CARRIED FORWARD

None.


Webber W. Dawsey
Cartographer (Photo)

APPROVED AND FORWARDED


V. Ralph Sobieralski
Tampa District Officer

48. GEOGRAPHIC NAME LIST

Names were taken from Chart 1266, map T-5530 and USGS quadrangle HURRICANE, ALA. There were no conflicts among the sources used.

ALABAMA

BALDWIN COUNTY
BIG BRIAR CREEK
BIG LIZARD CREEK

HURRICANE
HURRICANE BAYOU

LOUISVILLE AND NASHVILLE RR
LOWER HALL LANDING

MILLER CEMETERY

NEGRO LAKE

PERKINS LANDING

SIZEMORE LANDING
SMITH BAYOU
STONY HILL CREEK
ST MARYS CHURCH

TENSAW RIVER

UPPER HALL LANDING

*Names checked & approved
12-10-65
A. J. Wraight*

49. NOTES FOR THE HYDROGRAPHER

None.

50

PHOTOGRAMMETRIC OFFICE REVIEW OF ADVANCE MANUSCRIPT
T-10976

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 Kelsh

ALONGSHORE AREAS

(Nautical Chart Data)

Kelsh
12. Shoreline WHS 13. Low-water line XX 14. Rocks, shoals, etc. WHS 15. Bridges WHS 16. Aids to navigation WHS 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 WHS 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 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.

R. R. Wagner

Compiler
R. R. Wagner

Milton M. Slavney

Supervisor
Milton M. Slavney

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 MHWL 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 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 J. Hurst
Chief, Photogrammetric Branch

Chief, Nautical Chart Division

F. Z. Woodcock
Chief, Photogrammetry Division