

10929

Original

Form 504	
U. S. DEPARTMENT OF COMMERCE	
COAST AND GEODETIC SURVEY	
DESCRIPTIVE REPORT	
Type of Survey	PLANIMETRIC
Field No.	Office No. T-10929
LOCALITY	
State	ALABAMA
General locality	MOBILE COUNTY
Locality	SATSUMA
1957 - 1961	
CHIEF OF PARTY	
Joseph K. Wilson, Chief of Field Party	
V. R. Sobieralski, Tampa District Office	
LIBRARY & ARCHIVES	
DATE	

USCOMM-DC 5087

10929

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DESCRIPTIVE REPORT - DATA RECORD

T - 10929

Project No. (II): PH-5704

Quadrangle Name (IV):

Field Office (II): Pascagoula, Miss. and
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): Stereoscopic Instrument (Kelsh Plotter) and Graphic

Manuscript Scale (III): 1:10,000

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

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

Date received in Washington Office (IV):

NOV 3 1961

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

~~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): 108 (AGS) 1938

Lat.:

Long.:

Adjusted

~~unadjusted~~

Plane Coordinates (IV):

State: Ala.

Zone: West

Y= 318,473.47 Ft.

X= 329,552.14 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.

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PLANIMETRIC

Inapplicable

DESCRIPTIVE REPORT - DATA RECORD

Field Inspection by (II): **Paul G. Ater**
W. M. Reynolds
M. A. Stewart
Joseph K. Wilson Date: **July 1959**

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

Completion Surveys by (II): *W.V. Hull* Date: *March 1961*

Mean High Water Location (III) (State date and method of location): **Air Photo compilation**
Date of Photography: 20 Nov. 1957 and
20 June 1959

Projection and Grids ruled by (IV): **P.J.D. (W.O.)** Date: **Aug. 1959**

Projection and Grids checked by (IV): **Shoup (W.O.)** Date: **Aug. 1959**

Control plotted by (III): **R.J. Pate** Date: **Oct. 1959**

Control checked by (III): **R.E. Smith Jr.** Date: **Oct. 1959**

Radial Plot or Stereoscopic **Radial Plot: R. R. Wagner** Date: **July 1960**
Control extension by (III): **Stereoscopic Control Extension: J.D. Perrow (W.O.) Nov. 1959**

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

Manuscript delineated by (III): **I. I. Saperstein** Date: **Oct. 1960**
R. E. Smith Jr.

of compilation
Photogrammetric Office Review/by (III): **R. R. Wagner** Date: **Nov. 1960**

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

DESCRIPTIVE REPORT - DATA RECORD

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

Number	Date	Time	Scale	Stage of Tide
59W-6019	20 June 1959	14:49	1:30,000	Stage of tide can not be determined with any degree of accuracy in the bayous.
6020	" "	14:50	"	
6021	" "	14:50	"	
56945	20 Nov. 1957	10:34	1:10,000	
56946	" "	10:35	"	
56947	" "	10:35	"	
56956	" "	10:44	"	
56957	" "	10:44	"	
56958	" "	10:45	"	

Tide (III)
See above

Reference Station:
Subordinate Station:
Subordinate Station:

Ratio of Ranges	Mean Range	Spring Range

Washington Office Review by (IV):

Date:

Final Drafting by (IV): **V. P. Gackowski (Tampa District Office)**

Date: **June 1961**

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

Date: **August 1961**

Drafting verified for reproduction by (IV):

Date:

Proof Edit by (IV):

Date:

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

Shoreline (~~More than 200 meters to opposite shore~~) (III): **22 linear miles**

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

Control Leveling - Miles (II): **Inapplicable**

Number of Triangulation Stations searched for (II): **14***

Recovered: **6****

Identified: **4*****

Number of BMs searched for (II): **0**

Recovered:

Identified:

Number of Recoverable Photo Stations established (III): **None**

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

Remarks: * **Including 11 stations west of project**

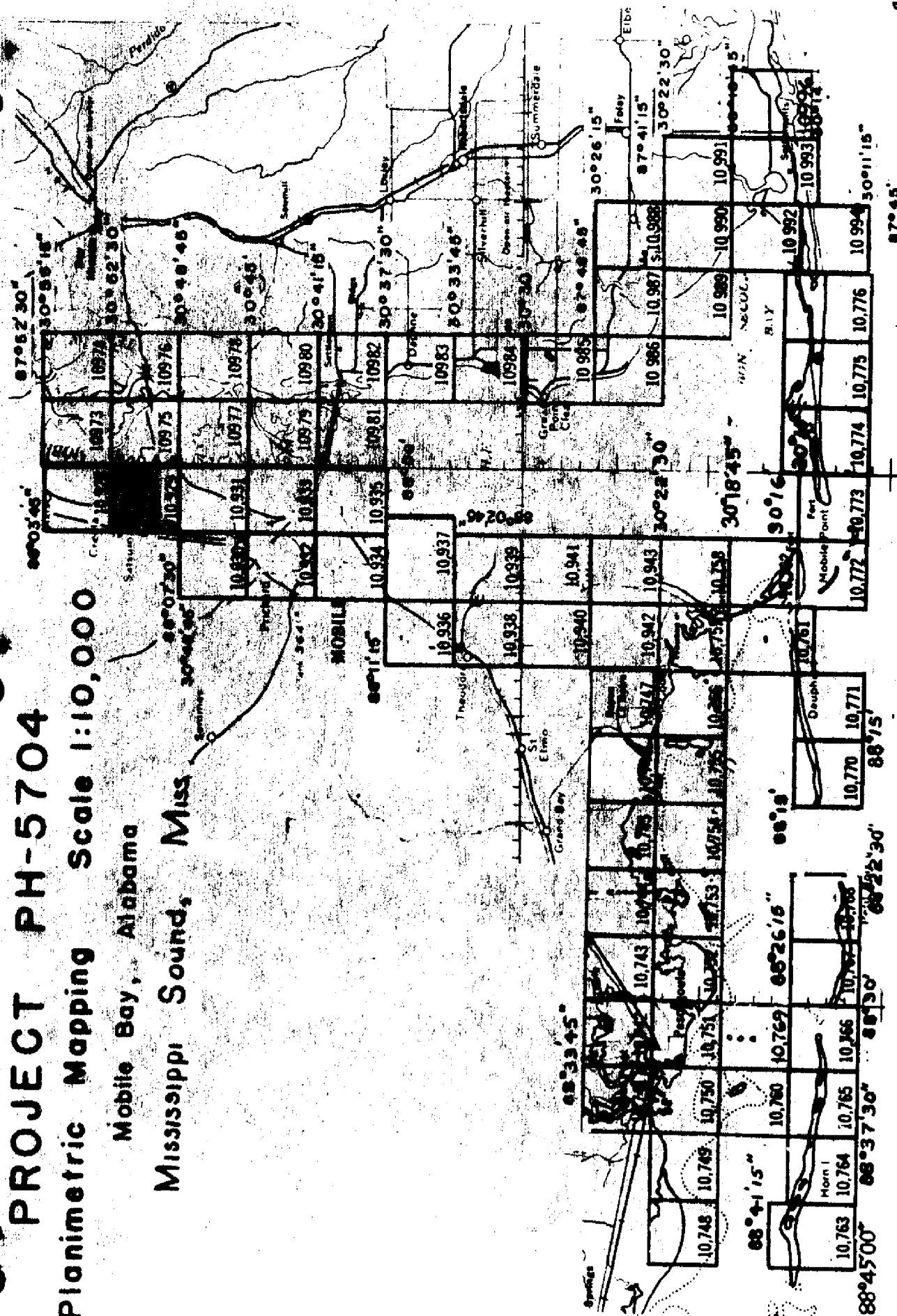
** " **5** " " " "

*** " **3** " " " "

Planimetric Mapping Scale 1:10,000

Mobile Bay, Alabama

Mississippi Sound, Miss



FIELD INSPECTION REPORT
Map T-10929
Project Ph-5704

Please refer to Field Inspection Report submitted with map T-10928
for all information pertaining to this map.

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

MAP T. 10929

PROJECT NO. Ph-5704

SCALE OF MAP *1:10,000*

SCALE FACTOR

[illegible]

1 FT. = .3048006 METER
COMPUTED BY.

115

DATE _____

9 Sept 59

CHECKED BY:

5
11
12

DATE _____

6-19

COMM-DC-57843

COMPILATION REPORT T-10929PHOTOGRAMMETRIC PLOT REPORT

See report by R. R. Wagner submitted with T-10928 and the bridging report by J. D. Perrow of the Washington Office.

31. DELINEATION

Both the instrument and graphic method were used. The graphic method was used for the lower 1 1/2 minutes of the manuscript and the Keish Plotter for the remainder. The field inspection was adequate and was done on the 1957 nine lens photographs. However the single lens photographs were used in the compilation to the limits of their coverage. No difficulty was encountered in the interpretation of the photographs.

Several common points seen on both the single and nine lens photographs were cut in radially using the nine lens photographs. The radial plot position checked the stereo bridge position by 0.2 mm (2 meters) or less.

32. CONTROL

See Photogrammetric Plot Report.

33. SUPPLEMENTAL DATA

City map, Satsuma, Alabama, scale 1" = 400' dated Dec. 1958 and town map of Saraland, scale 1" = 400' May 1959.

34. CONTOURS AND DRAINAGE

Contours are inapplicable.

Drainage was delineated only where it could be seen. In several instances, streams were inked on the field inspection photograph going through dense swamp. These were omitted from the compilation because they could not be verified after stereoscopic examination, see letter 10 Oct. 1960 on DRAINAGE, PH-5704 to Chief, Photogrammetry Division.

35. SHORELINE AND ALONGSHORE DETAILS

The shoreline consists only of the banks of the streams and bayous. All alongshore details indicated by the field inspector have been shown.

36. OFFSHORE DETAILS

None.

37. LANDMARKS AND AIDS

None.

38. CONTROL FOR FUTURE SURVEYS

None.

39. JUNCTIONS

Junctions have been made with T-10928 to the north, T-10975 to the east, T-10931 to the south. The junction with U.S.G.S.

CHICKASAW quadrangle to the west appears good.

40. HORIZONTAL AND VERTICAL ACCURACY

No statement.

41. BOUNDARIES

The city limits of Satsuma and Saraland were taken from maps listed under Item 33. The limits of Satsuma as shown on field photograph 56946 did not coincide with the city map. The limits were delineated as shown on the city map.

46. COMPARISON WITH EXISTING MAPS

Comparison has been made with U.S.G.S. CHICKASAW quadrangle 1:24,000 edition of 1953. The comparison is favorable. It will be noted that some streams that appear on the quadrangle were omitted on the manuscript because they could not be verified in the dense swamp, see Item 34.

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Comparison has also been made with air photo compilation No. T-5530, scale 1:20,000 dated 1934. Only a small portion of the manuscript is covered by the map, but the comparison is good except for the construction of a new canal housing a gas pipeline.

47. COMPARISON WITH NAUTICAL CHARTS

Comparison has been made with Chart 1266, scale 1:80,000 revised 18 April 1960.

The maps listed under Item 46 are probably the source of topography for the chart and the same differences exist.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None.

ITEMS TO BE CARRIED FORWARD

None.

I. I. Saperstein
I. I. Saperstein
Cartographer

Approved and Forwarded:

V. Ralph Sobieralski
V. Ralph Sobieralski
Tampa District Officer

48. GEOGRAPHIC NAME LIST

Names were taken from U.S.G.S. CHICKASAW quadrangle.

ALABAMA
ALABAMA TENNESSEE AND NORTHERN RR

BAYOU SARA
BIG BAY CANOT

CATFISH BAYOU
COX BEACH
CRAFT HIGHWAY

FIG TREE ISLAND

GUNNISON CREEK

HICKORY BAYOU

LITTLE CATFISH BAYOU
LIVEOAK LANDING
LOUISVILLE AND NASHVILLE RR

MOBILE COUNTY

NORTON CREEK

PENNSYLVANIA

SARALAND
SATSUMA
SOUTHERN RR
STEEL CREEK

U S 43

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

49. NOTES FOR THE HYDROGRAPHER

None.

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PHOTOGRAMMETRIC OFFICE REVIEW OF ADVANCE MANUSCRIPT

T. 10929

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

5a. 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) XX 7. Photo hydro stations XX 8. Bench marks XX
9. Plotting of sextant fixes XX 10. Photogrammetric plot report MMS 11. Detail points RRW

ALONGSHORE AREAS

(Nautical Chart Data)

12. Shoreline WHS 13. Low-water line XX 14. Rocks, shoals, etc. XX 15. Bridges WHS 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 WHS 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 RRW 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.

Robert R. Wagner

Compiler
Robert R. Wagner

Milton M. Slavney

Supervisor
Milton M. Slavney

43. Remarks:

JUN 5 1961

U. S. DEPARTMENT OF COMMERCE
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FIELD EDIT REPORT
(Shoreline)
Quadrangles T-10929 thru T-10933,
T-10979, and T-10982

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 sheets in red and on the photographs in purple.

Field edit information has been shown on field edit sheets for T-10929, T-10931, T-10932, T-10933, T-10979, and T-10982. Additional information is shown on the photographs.

52. Adequacy of Compilation.

The map compilation appears complete and adequate.

53. Map Accuracy.

The shoreline of the maps appears to be accurate.

54. Recommendations.

There are no recommendations.

55. Examination of a proof copy.

No one able to read a map with assurance was contacted to examine a proof copy.

Geographic Names.

SPANISH FORT:

Mr. George Six, service station attendant, resident of Spanish Fort 9 years. Stated Spanish Fort is in local useage. Only time he had heard of Bridgehead was on Bus company tickets.

Mr. Charles Oswell, timberland owner, resident in vicinity for 46 years. Stated Bridgehead was an old name and it referred to the area where the Cochrane Bridge joined the land on the east side of Mobile Bay. Also stated that Spanish Fort is in local useage and that Fort McDermott is part of Spanish Fort.

Mr. George Fuller Jr., Real Estate agent, resident 10 years. Stated That Bridgehead was an old name but, was no longer used. Also stated

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that all local residents refer to the area as Spanish Fort. Mr. Fuller also stated that Fort McDermott is part of Spanish Fort but preferred the Fort McDermott area to be called Spanish Fort Estates and be noted as a historical site.

Historical markers refer to the area as an ~~old~~ Spanish Fort.

I recommend that this area be charted as Spanish Fort.

Submitted, 2 June 1961

Wesley V. Hull

Wesley V. Hull
Chief, Photo Hydro Support Unit 721

Review Report
Planimetric Maps
T-10928 thru T-10935
December 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-5530	1:20,000	1934
T-5531	1:20,000	1934
T-3716	1:10,000	1919
T-3713	1:40,000	1918

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

63. Comparison with Maps of Other Agencies

Creole	1:62,500	1941
Chickasaw	1:24,000	1953
Mobile	1:24,000	1953

See Item 46.

64. Comparison with Contemporary Hydrographic Surveys

H-8584	1:5,000	1961
H-8585	1:5,000	1961
H-8586	1:10,000	1961
H-8587	1:10,000	1961
H-8588	1:10,000	1961
H-8589	1:10,000	1961
H-8591	1:10,000	1961

Shoreline and control of subject surveys were furnished prior to the hydrographic surveys and apparently no differences of importance exist.

65. Comparison with Nautical Charts

1266

1:80,000

1965

Because of the scale difference, only a visual comparison was made. No notable differences exist.

66. Adequacy of Results and Future Surveys

These maps comply with the National Map Accuracy Standards and meet Bureau requirements.

Reviewed by:

L. C. Lande
L. C. Lande

Approved by:

Charles G. Linn
Chief, Photogrammetric Branch

Chief, Nautical Chart Division

L. F. Woodward
Chief, Photogrammetry Division