

7-10979

Original

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10979

Form 504	
U. S. DEPARTMENT OF COMMERCE	
COAST AND GEODETIC SURVEY	
DESCRIPTIVE REPORT	
Type of Survey	PLANIMETRIC
Field No.	Office No. T-10979
LOCALITY	
State	ALABAMA
General locality	MOBILE BAY
Locality	CHACALOOCHEE BAY
1957-1961	
CHIEF OF PARTY	
Joseph K. Wilson, Chief of Field Party	
V. R. Sobieralski, Tampa District Office	
LIBRARY & ARCHIVES	
DATE	

USCGM-DC 5087

DESCRIPTIVE REPORT - DATA RECORD

T - 10979

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):

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): SOUTH BRIDGE, EAST PULLEY 1935 (station falls on T-10935)

Lat.: 30°40'59.982" (1847.1 m) Long.: 88°00'31.391" (835.5 m)

Adjusted

~~xxxxxxxx~~

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.

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

Inapplicable

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

Date: **Aug.-Sept. 1959**

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

Date:

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

Date: **May 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: **Nov. 1959**

Control plotted by (III): **No control**

Date:

Control checked by (III): **No control**

Date:

Radial Plot ~~of stereoscopic~~

Date: **July 1960**

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

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

Date:

Date:

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

Date: **July 1960**

Photogrammetric Office Review ^{of compilation} by (III): **R. R. Wagner**

Date: **Nov. 1960**

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

Date:

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Camera (kind or source) (III): C&GS 9-lens

Number	Date	Time	Scale	Stage of Tide
56971	20 Nov. 1957	10:56	1:10,000	Tide could not
56972	" " "	"	"	be computed, too
56973	" " "	10:57	"	far from a Sub-ord. station

Tide (III)

Reference Station: Inapplicable

Subordinate Station:

Subordinate Station:

Ratio of Ranges	Mean Range	Spring Range

Washington Office Review by (IV):

Date:

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

Date: Sept. 1961

Reviewed by: H.H. Shearouse

" "

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): 19

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

Control Leveling - Miles (II): Inapplicable

Number of Triangulation Stations searched for (II): 1

Recovered: 0

Identified: 0

Number of BMs searched for (II): None

Recovered:

Identified:

Number of Recoverable Photo Stations established (III): None

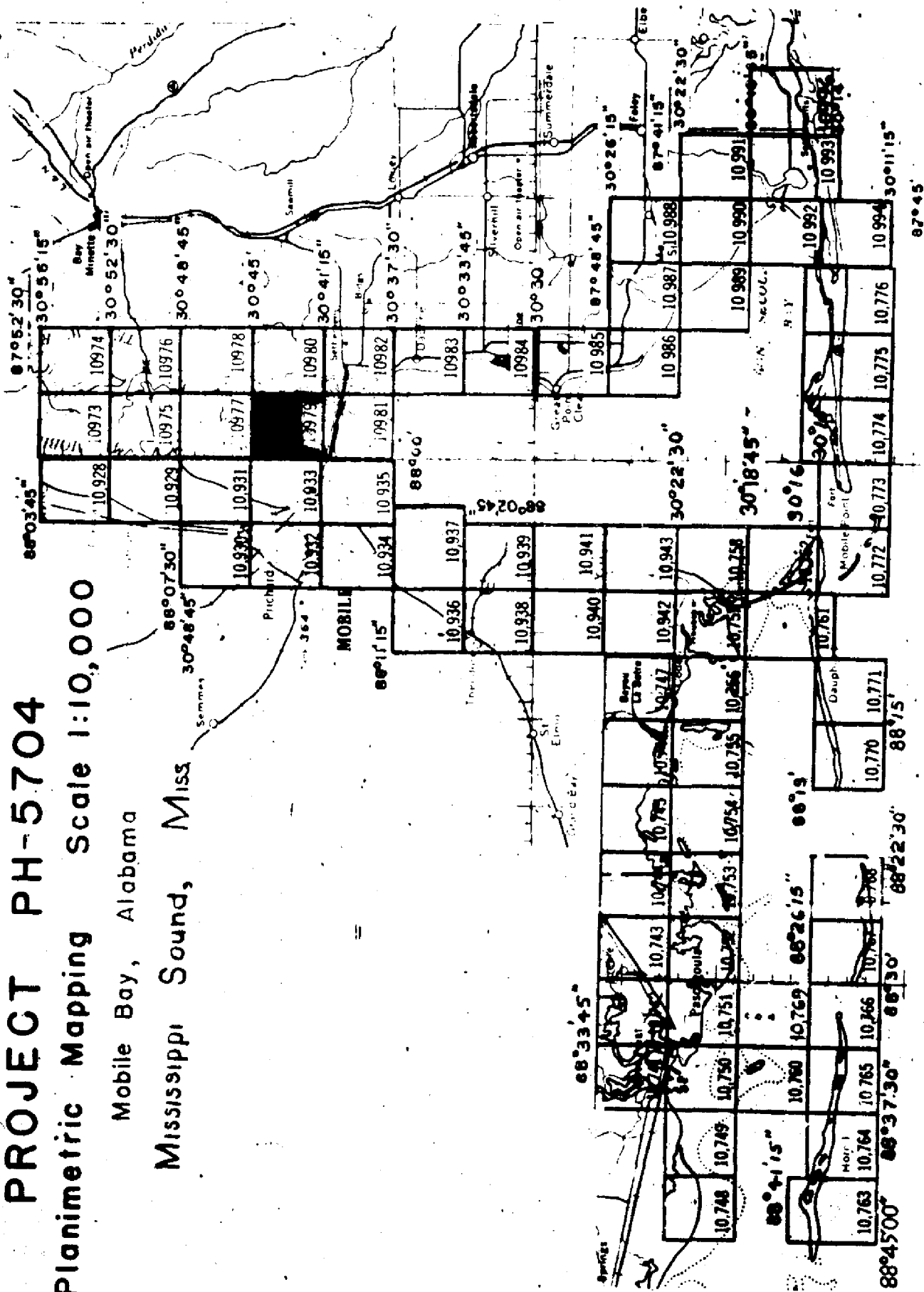
Number of Temporary Photo Hydro Stations established (III): None

Remarks:

PROJECT PH-5704
Planimetric Mapping Scale 1:10,000

Mobile Bay, Alabama

Mississippi Sound, Miss



FIELD INSPECTION REPORT
Project Ph-5704
Map T-10979

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

COMPILATION REPORT T- 10979

PHOTOGRAMMETRIC PLOT REPORT

Submitted with T-10928.

31. DELINEATION

The graphic method was used.

The photographs were of reasonably good scale. All photographs however show some tilt.

Field inspection was adequate.

32. CONTROL

See Photogrammetric Plot Report.

33. SUPPLEMENTAL DATA

None.

34. CONTOURS AND DRAINAGE

Contours are inapplicable.

Most of the drainage is through marsh areas and easily identifiable on the photographs.

35. SHORELINE AND ALONGSHORE DETAILS

Delineated according to field inspection notes.

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-10981 on the south, T-10980 on the east, T-10977 on the north and T-10933 on the west.

40. HORIZONTAL AND VERTICAL ACCURACY

No comment.

46. COMPARISON WITH EXISTING MAPS

A comparison has been made with U.S.G.S. quadrangle BRIDGEHEAD ALA, scale 1:24,000, compiled from aerial photographs and plane-table survey of 1939, revised in 1953, also C&GS Air Photo Compilation T-5530, compiled from 1934 photographs. No outstanding discrepancies were noted.

47. COMPARISON WITH NAUTICAL CHARTS

Comparison has been made with Nautical Chart No 1266, scale 1:80,000, edition of 16 Nov. 1959, corrected through July 1960. Comparison was favorable.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None.

ITEMS TO BE CARRIED FORWARD

None.


Rudolph Dessett
Carto Survey Aid

Approved and Forwarded:


V. Ralph Sobieralski
Chief of Party

48. GEOGRAPHIC NAME LIST

Nautical Chart 1266 and U.S.G.S. quadrangle BRIDGEHEAD were the sources for geographic names.

ALABAMA
APALACHEE RIVER

BALDWIN COUNTY
BIG BAY JOHN
BIG BATEAU BAY
BIG ISLAND

CHACALOOCHEE BAY
CONWAY CREEK
CRAB CREEK

DELVAN BAY *

*OK 12-10-65
A.J.W.*

JUSTINS BAY

LITTLE BAY JOHN
LITTLE BATEAU BAY
LOWER CRAB CREEK

MUDHOLE CREEK

ONEMILE BAYOU

RAFT RIVER

TENSAW RIVER
THREEMILE CREEK

* This is called "LEVAN" Bay on T-5530 but it is named DELVAN Bay on Nautical Chart 1266 and on USGS quadrangle "BRIDGEHEAD".

checked, & Delvan Bay was found to be correct.

A.J.W.

All names checked & approved.

12-10-65

A. J. Wright

49. NOTES FOR THE HYDROGRAPHER

None.

50

PHOTOGRAMMETRIC OFFICE REVIEW OF ADVANCE MANUSCRIPT

T- 10979

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 REW

ALONGSHORE AREAS

(Nautical Chart Data)

12. Shoreline WHS 13. Low-water line WHS 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 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 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.

Robert R. Wagner Milton M. Slavney
Compiler Supervisor
Robert R. Wagner Milton M. Slavney

43. Remarks:

JUN 1955

12,

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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 photostats 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 usage. 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 usage 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

Chief, Photo Hydro Support Unit 721

TIDE COMPUTATION

U. S. DEPARTMENT OF COMMERCE
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PROJECT NO. Ph-5704T-10979

Time and date of exposure 1056 20 Nov 1957

Reference station Mobile

Mean range

Date of field inspection Sept 1959

Subordinate station Mobile, Mobile River

Durnal 1.5
Ratio of ranges

	Time		Height feet	Height x Ratio of ranges	Time		Photo. No.
	h.	m.			h.	m.	
High tide	22	39	1.6	1.6	22	39	56972
Low tide	9	12	-0.4	-0.4	9	00	
Duration of rise or fall	13.27		2.0		22.39		
Range of tide					Corrected time at Subordinate station		Corrected time at Subordinate station
					High tide at Ref. Sta.		Low tide at Ref. Sta.
					Time difference		Time difference
					Corrected time at Subordinate station		Corrected time at Subordinate station

	h.	m.	feet	feet	Photo. No.
Time H. T. or L. T.	9	12			56972
Required time	10	56	-0.4		
Interval	1	44	0.1		
Time H. T. or L. T.			-0.3		
Required time					
Interval					
Time H. T. or L. T.					
Required time					
Interval					
Time H. T. or L. T.					
Required time					
Interval					
Time H. T. or L. T.					
Required time					
Interval					
Time H. T. or L. T.					
Required time					
Interval					
Time H. T. or L. T.					
Required time					
Interval					

COMM - DC - 57848

Computed by R. D. Smith Checked by HS

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 L. Lander
Chief, Photogrammetric Branch

Chief, Nautical Chart Division

R. F. Woodward
Chief, Photogrammetry Division