

T-10977

Original

T-10977

T-10977

Form 504	
U. S. DEPARTMENT OF COMMERCE	
COAST AND GEODETIC SURVEY	
DESCRIPTIVE REPORT	
Type of Survey	PLANIMETRIC
Field No.	Office No. T-10977
LOCALITY	
State	ALABAMA
General locality	BALDWIN - MOBILE COUNTIES
Locality	CHUCKFEE BAY
<u>1957 - 1961</u>	
CHIEF OF PARTY	
Joseph K. Wilson, Chief of Field Party	
V. Ralph Sobieralski, Tampa District Office	
LIBRARY & ARCHIVES	
DATE	

DESCRIPTIVE REPORT - DATA RECORD

T -10977

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. 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 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**

~~MSL~~ 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): **BAGGETT, 1935 (on T-10978 No Control on this Map)**

Lat.: **30°47'39.534" (1217.4 m)**

Long.: **87°52'38.621" (1026.8 m)**

Adjusted
~~coordinates~~

Plane Coordinates (IV):

State: **Alabama**

Zone: **West**

Y= **289,071.02**

X= **381,501.56**

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

Field Inspection by (II): **W. M. Reynolds** Date: **Aug. 1959**

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

Completion Surveys by (II): **W. V. Hull** Date: **April 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: **11/27/59**

Projection and Grids checked by (IV): **P. J. Dempsey (W.O.)** Date: **11/30/59**

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

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

Radial Plot ~~of Stereoscopic~~ Date: **July 1960**
~~Photogrammetric~~ by (III): **R. R. Wagner**

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

Manuscript delineated by (III): **R. Dosssett** Date: **Oct. 1960**

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

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

DESCRIPTIVE REPORT - DATA RECORD

4.

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

Number	PHOTOGRAPHS (III)		Scale	Stage of Tide
	Date	Time		
56974	20 Nov. 1957	10:58	1:10,000	Inshore
56975	" "	" "	" "	Manuscript
56976	" "	10:59	" "	No tide

Inshore Manuscript
Tide (III)

Reference Station:
Subordinate Station: **NO TIDE**
Subordinate Station:

Ratio of Ranges	Mean Range	Spring Range

Washington Office Review by (IV):

Date:

Final Drafting by (IV): **R. Dasset (Tampa District Office)**
Final Drafting Rev'd by: **W.H. Shearouse (TDO)**
Drafting verified for reproduction by (IV):

Date: August 1961
Sept. 1961

Date:

Proof Edit by (IV):

Date:

Land Area (Sq. Statute Miles) (III): **14**
Shoreline (More than 200 meters to opposite shore) (III): **20**

~~Structure 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: **Reference station taken from T-10978**

FIELD INSPECTION REPORT
Project Ih-5704
Map T-10977

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

COMPILATION REPORT T-10977PHOTOGRAMMETRIC PLOT REPORT

Submitted with T-10928

31. DELINEATION

The graphic method was used. The photographs were clear but scale was not good. Dense swamp made pricking of detail points difficult.

Field inspection was adequate.

32. CONTROL

See Photogrammetric Plot Report.

33. SUPPLEMENTAL DATA

None.

34. CONTOURS AND DRAINAGE

Contours are inapplicable. The drainage was delineated by the field inspector, particularly in swamps, was sometimes disproved by details on other photographs, making us doubt all the field drainage inspection. Therefore only the drainage identified by thorough stereoscopic examination has been shown on the manuscript. Please refer to the letter dated 10 Oct. 1960 on DRAINAGE PH-5704 to Chief, Photogrammetry Division from Tampa District Office for more information about this.

35. SHORELINE AND ALONGSHORE DETAILS

Delineated according to field inspection notes which were adequate. There are no low-water or shoal lines.

36. OFFSHORE DETAILS

None.

COMPILATION RECORD COMPLETION DATE REMARKS

All planimetry compiled	December 1960	Superseded
Revised from alongshore field edit	June 1961	

37. LANDMARKS AND AIDS

None.

38. CONTROL FOR FUTURE SURVEYS

None.

39. JUNCTIONS

A satisfactory junction has been made with T-10931 on the west, T-10975 on the north, T-10978 on the east and T-10979 on the south.

40. HORIZONTAL AND VERTICAL ACCURACY

No statement.

46. COMPARISON WITH EXISTING MAPS

Comparison has been made with USGS topographic quadrangle HURRICANE, AIA., scale 1:24,000, compiled from aerial photographs and planetable survey in 1940; revised in 1953. Comparison was favorable. Comparison was also made with C&GS planimetric map T-5530, scale 1:20,000 compiled from 1934 photographs. Changes noted were those expected due to the time interval.

47. COMPARISON WITH NAUTICAL CHARTS

Comparison has been made with nautical chart No. 1266, edition of 16 Nov. 1959, scale 1:80,000. No outstanding discrepancies were noted.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None.

ITEMS TO BE CARRIED FORWARD

None.

Rudolph Dossett
Rudolph Dossett
Carto Survey Aid

Approved and Forwarded:
William A. Rasur
for V. Ralph Sobieralski
Chief of Party

48. GEOGRAPHIC NAME LIST

Geographic names were taken from USGS Quadrangle MOBILE BAY, ALA., revised in 1953 and Nautical Chart 1266.

ALABAMA

BALDWIN COUNTY
BIG BAYOU CANOT
BIG BAY JOHN

CHICORY BAYOU
CHUCKFREE BAY
CRAB CREEK

GRAND BAY

IRVINGS LAKE

JIMS CREEK

LOUIS BAYOU

MALLARD FORK
MOBILE COUNTY
MOBILE RIVER

OAK BAYOU
OAK LEAF BAYOU
ONEMILE BAYOU

RAFT RIVER

SAND BAYOU
STAUTER CREEK

TENSAW RIVER
THREEMILE CREEK
TWELVEMILE ISLAND

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

49. NOTES FOR THE HYDROGRAPHER

None.

PHOTOGRAMMETRIC OFFICE REVIEW
T- 10977

1. PROJECTION AND GRIDS WBS		2. TITLE WBS		in. Classification Label <u>unclassified</u>		3. MANUSCRIPT NUMBERS WBS	4. MANUSCRIPT SIZE WBS	
CONTROL STATIONS	5. HORIZONTAL CONTROL STATIONS OF THIRD-ORDER OR HIGHER ACCURACY WBS			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 WBS							
ALONGSHORE AREAS (Nautical Chart Data)	12. SHORELINE WBS		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 WBS		
	19. OTHER ALONGSHORE CULTURAL FEATURES WBS							
PHYSICAL FEATURES	20. WATER FEATURES WBS			21. NATURAL GROUND COVER WBS				
	22. PLANETABLE CONTOURS XX			23. STEREOSCOPIC INSTRUMENT CONTOURS XX				
	24. CONTOURS IN GENERAL XX			25. SPOT ELEVATIONS XX				
	26. OTHER PHYSICAL FEATURES WBS							
CULTURAL FEATURES	27. ROADS XX		28. BUILDINGS WBS		29. RAILROADS XX			
	30. OTHER CULTURAL FEATURES WBS							
BOUNDARIES	31. BOUNDARY LINES WBS			32. PUBLIC LAND LINES XX				
	33. GEOGRAPHIC NAMES WBS						34. JUNCTIONS WBS	
MISCELLANEOUS	35. LEGIBILITY OF THE MANUSCRIPT WBS		36. DISCREPANCY OVERLAY XX		37. DESCRIPTIVE REPORT WBS			
	38. FIELD INSPECTION PHOTOGRAPHS WBS			39. FORMS WBS				
	SIGNATURE OF REVIEWER <i>William H. Shearouse</i> William H. Shearouse				SIGNATURE OF SUPERVISOR, REVIEW SECTION OR UNIT <i>Milton M. Slavney</i> Milton M. Slavney			
	40. FIELD COMPLETION ADDITIONS AND CORRECTIONS TO THE MANUSCRIPT-Additions and corrections furnished by the field completion survey have been applied to the manuscript. The manuscript is now complete except as noted in remarks on reverse side.							
SIGNATURE OF COMPLETER <i>Robert R. Wagner</i> Robert R. Wagner				SIGNATURE OF SUPERVISOR <i>Milton M. Slavney</i> Milton M. Slavney				

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 56991, 56993, 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 CAGS

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

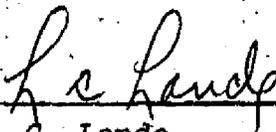
1266	1:80,000	1965
------	----------	------

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:



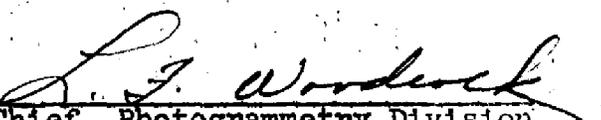
L. C. Lande

Approved by:



Chief, Photogrammetric Branch

Chief, Nautical Chart Division



Chief, Photogrammetry Division