

Original

T-10937

T-10937

T-10937

Form 504	
U. S. DEPARTMENT OF COMMERCE	
COAST AND GEODETIC SURVEY	
DESCRIPTIVE REPORT	
Type of Survey	PLANIMETRIC
Field No.	Office No. T-10937
LOCALITY	
State	ALABAMA
General locality	MOBILE BAY
Locality	DOG RIVER
1957-1961	
CHIEF OF PARTY	
Joseph K. Wilson, Chief of Party 720	
V. R. Sobieralski, Tampa District Office	
LIBRARY & ARCHIVES	
DATE	FEB 4 - 1966

USCOMM-DC 5087

DESCRIPTIVE REPORT - DATA RECORD

T - 10937

Project No. (II): **Ph-5704**      Quadrangle Name (IV):

Field Office (II): **Pascagoula, Mississippi**

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 September 1959 (Stereo Bridging)**

**17 Aug. 1959 (Office Suppl. 1)**

**6 October 1959 (Office Suppl. 1)**

**17 Aug. 1959 (Field Suppl. 2)**

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

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**

~~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): **HAGEN 1935**

Lat.: **30° 35' 58.351" (1796.9)**

Long.: **88° 03' 37.732" (1005.2)**

Adjusted  
~~Unadjusted~~

Plane Coordinates (IV):

State: **ALA**

Zone: **WEST**

Y= **218,473.20**

X= **323,659.64**

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)

(14) (11b)

Inapplicable

DESCRIPTIVE REPORT - DATA RECORD

Field Inspection by (II): William M. Reynolds  
Matthew A. Stewart

Date: April-May 1959

Planetable contouring by (II): Inapplicable

Date:

Completion Surveys by (II): W. M. Reynolds

Date: July 1961

Mean High Water Location (III) (State date and method of location): Date of photography: 19 Nov. 1957  
Air photo compilation

Projection and Grids ruled by (IV): P.T.D. (W.O.)

Date: August 1959

Projection and Grids checked by (IV): R. D. Shoup (W.O.)

Date: August 1959

Control plotted by (III): R. J. Pate

Date: October 1959

Control checked by (III): R. E. Smith, Jr.

Date: October 1959

Radial Plot ~~of Stereoscopic~~ R. R. Wagner  
~~of Stereoscopic~~ (III):

Date: February 1960

Stereoscopic Instrument compilation (III): Planimetry  
Contours Inapplicable

Date:

Date:

Manuscript delineated by (III): W. W. Dawsey

Date: June 1960

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

Date: August 1960

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

Date:

DESCRIPTIVE REPORT - DATA RECORD

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Camera (kind or source) (III): **USCGS Nine-lens**

PHOTOGRAPHS (III)

Number	Date	Time	Scale	Stage of Tide
56805	19 Nov. 1957	1443	1:10,000	+0.6 ft.
56806	"	1444	"	"
56807	"	1445	"	"
56849	"	1525	"	"
56850	"	1526	"	"

Predicted

Tide (III)

Reference Station: **MOBILE ALA.**  
Subordinate Station: **MOBILE, MOBILE RIVER**  
Subordinate Station:

Diurnal

Ratio of Ranges	Mean Range	Spring Range
	1.5	

Washington Office Review by (IV):

Date:

Final Drafting by ~~IV~~: **R. Dossett (Tampa District Office)**

Date: **November 1961**

" " Reviewed by: **W.H. Shearouse (TDO)**

Date: **November 1961**

Drafting verified for reproduction by (IV):

Date:

Proof Edit by (IV):

Date:

Land Area (Sq. Statute Miles) (III): **13**

Shoreline (More than 200 meters to opposite shore) (III): **26**

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

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

Number of Triangulation Stations searched for (II): **8**

Recovered: **3**

Identified: **3**

Number of BMs searched for (II): **None**

Recovered: **0**

Identified: **0**

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

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

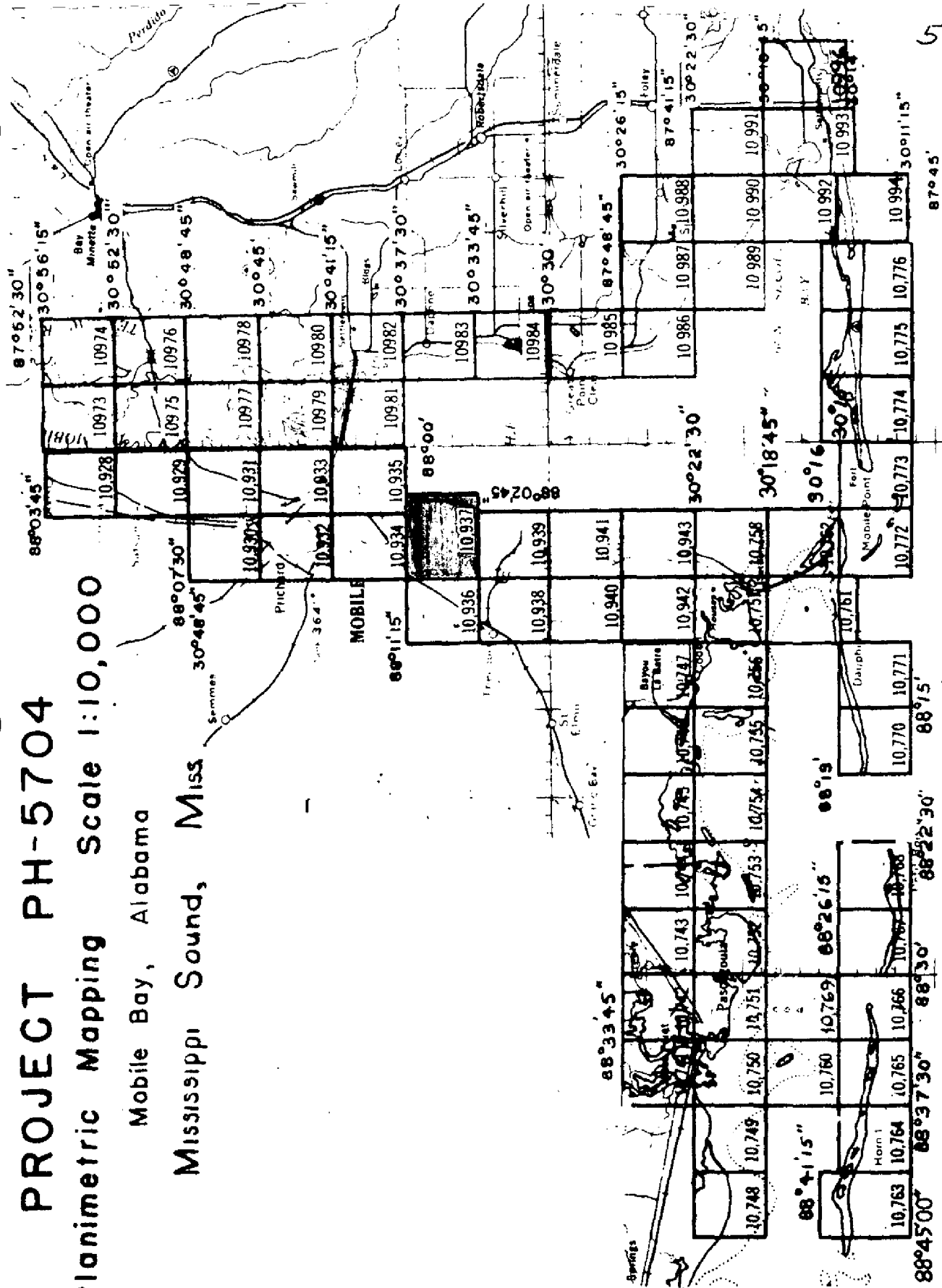
Remarks:

# PROJECT PH-5704

Planimetric Mapping Scale 1:10,000

Mobile Bay, Alabama

Mississippi Sound, Miss



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FIELD INSPECTION REPORT  
Project Ph-5704  
Map T-10937

Please refer to the Field Inspection Report for map T-10939 for all data pertaining to this map.

Submitted:

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

SCALE FACTOR

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR Y-COORDINATE LONGITUDE OR X-COORDINATE	DISTANCE FROM GRID IN FEET, OR PROJECTION LINE IN METERS		DATUM CORRECTION	N.A. 1927 - DATUM FROM GRID OR PROJECTION LINE IN METERS		FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS	
				FORWARD	(BACK)		FORWARD	(BACK)	FORWARD	(BACK)
HAGEN 1935	Mobile Co. Pg 33	N.A. 1927	218 473.20 ✓ 323 659.64 ✓	6 6590.8 ✓ 9 8651.7 ✓				PL RIP 10/22/59 ← RES 10/27/59		
310-5 (AGS) 1940	Ala. Geol. page 33	"	y = 213,080.70 ft. x = 316,986.59 ft.	64947.1 ✓ 96602.5 ✓				" " " "		
330-1 (AGS) 1940	"	"	y = 210,150.80 ft. x = 316,166.23 ft.	64054.1 ✓ 96367.7 ✓				" " " "		
310-6 (AGS) 1940	"	"	216, 655.01 ✓ 317, 820.34 ✓	6 6036.6 ✓ 9 6871.8 ✓				" " " "		
312-3 (AGS) 1939	"	"	227, 220.18 ✓ 320, 609.02 ✓	6 9256.8 ✓ 9 7721.8 ✓				" " " "		
312-4 (AGS) 1939	"	"	223, 456.38 ✓ 319, 633.13 ✓	6 8109.6 ✓ 9 7424.4 ✓				" " " "		
330-2 (AGS) 1940	"	"	208, 191.10 ✓ 315, 598.92 ✓	6 3456.8 ✓ 9 6194.7 ✓				" " " "		
BROOKLEY 1959	field p. 65	"	30 36. 47.24 ✓ 88 03 23.06 ✓					14547 (392.9) P.O.P.C 6/28/60 614.2 (983.9) ← RIP " "		

8.



## COMPILATION REPORT T-10937

PHOTOGRAMMETRIC PLOT REPORT

Submitted with T-10928.

31. DELINEATION

Delineation was by the graphic method. The field inspection was adequate in the most part. Some contradictions were noted concerning vegetation classifications. These occurred in overlapping inspection and were easily resolved. The photographs were fair in scale and clarity, however some trouble was encountered especially along shoreline areas.

32. CONTROL

See Photogrammetric Plot Report.

33. SUPPLEMENTAL DATA

A. Map of City of Mobile, 1956.

B. Reservation map of Brookley Air Force Base, revised 1958.

34. CONTOURS AND DRAINAGE

Inapplicable.

35. SHORELINE AND ALONGSHORE DETAILS

The mean high-water line and alongshore details were shown as indicated by the field inspection which was adequate.

No low-water or shoal lines were shown.

36. OFFSHORE DETAILS

The offshore details were shown as per the field inspection.

## COMPILATION RECORD

## COMPLETION DATE

## REMARKS

All planimetry compiled	August 1960	Superseded
Revised from alongshore field edit	July 1961	

37. LANDMARKS AND AIDS

No landmarks were located by the field inspector.

Three fixed aids to navigation were located and submitted to the Washington Office on 15 July 1960.

38. CONTROL FOR FUTURE SURVEYS

No control for future surveys was located.

39. JUNCTIONS

Junctions have been made with the following:

T-10934 to the north  
T-10939 to the south  
T-10936 to the west  
Mobile Bay falls to the east, there is no  
contemporary survey.

40. HORIZONTAL AND VERTICAL ACCURACY

No statement.

41. BOUNDARIES

A majority of this manuscript is within the city limits of Mobile.

The limits of Brookley Air Force Base were shown according to the map listed under Item 33 B. The eastern boundary has been referred to the field editor for further investigation.

46. COMPARISON WITH EXISTING MAPS

Comparison has been made with U.S.G.S. Quadrangle HOLLINGERS ISLAND, ALABAMA, scale 1:24,000, edition of 1953. The comparison was good.

Comparison has been made with Planimetric Map T-5532, scale 1:20,000 dated 1934. Numerous changes were noted which are due mainly to the time interval.

47. COMPARISON WITH NAUTICAL CHARTS

Comparison has been made with Chart 1266, scale 1:80,000, edition of 16 November 1959.

The comparison was generally good.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None.

ITEMS TO BE CARRIED FORWARD

None.

*William H. Shearouse*  
for Webber W. Dawsey  
Cartographer (Photo)

APPROVED AND FORWARDED

*for* *W. M. Shearouse*  
V. Ralph Sobieralski  
Tampa District Officer

48. GEOGRAPHIC NAME LIST

Geographic names were taken from the following sources:  
 U. S. Geological Survey HOLLINGERS ISLAND Quadrangle, Nautical Chart  
 No. 1266, Map T-5532 and Mobile, Alabama County Map.

ALABAMA  
 ALLIGATOR BAYOU  
 ALBA CLUB  
 ALBA CLUB ROAD  
 BAY FRONT DRIVE  
 BERAN CHURCH  
 BROOKLEY AIR FORCE BASE

CASHER CEMETERY  
 CEDAR PARK CHURCH  
 CEDAR POINT ROAD  
 CLUBHOUSE ROAD

DOG RIVER  
 DOG RIVER BRIDGE  
 DOG RIVER POINT

EDGEWATER MISSION

GULF HUNTING AND FISHING CLUB  
 GRAND VIEW PARK

HALLS MILL CREEK  
 HOLLINGERS ISLAND

MOBILE  
 MOBILE BAY  
 MOBILE YACHT CLUB  
 MOORE CREEK *a/jw 12-65*

NEW HOPE CHURCH

OUR LADY CHURCH  
 OUR LADY SCHOOL

PERCH CREEK

RABBIT CREEK  
 RIVERSIDE CHURCH  
 RIVERSIDE DRIVE  
 ROBINSON BAYOU

SOUTH BROOKLEY CHURCH  
 SOUTH BROOKLEY SCHOOL

~~SPENCER BRANCH~~ *a/jw 12-65*  
 ST ANDREWS CHURCH  
 STATE 163

*= Names OK for charting  
 but are not true geog. names*

*Names checked  
 and approved  
 12-10-65*

*A. J. Wright*

49. NOTES TO THE HYDROGRAPHER

None.

FORM 182 (3-61)		50		PHOTOGRAMMETRIC OFFICE REVIEW T- 10937		U.S. DEPARTMENT OF COMMERCE COAST AND GEODETIC SURVEY	
1. PROJECTION AND GRIDS WHS		2. TITLE WHS4a Classification <u>Unclassified</u>				3. MANUSCRIPT NUMBERS WHS	
		4. MANUSCRIPT SIZE WHS					
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 WHS						
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 WHS		17. LANDMARKS XX		18. OTHER ALONGSHORE PHYSICAL FEATURES WHS		
	19. OTHER ALONGSHORE 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 WHS		
	38. FIELD INSPECTION PHOTOGRAPHS WHS				39. FORMS WHS		
	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 COMPIER <i>Robert H. Wagner</i> Robert H. Wagner				SIGNATURE OF SUPERVISOR <i>Milton M. Slavney</i> Milton M. Slavney			

USE REVERSE SIDE FOR REMARKS

USCMM-DC 25383-P61

## TIDE COMPUTATION

PROJECT NO. PH-5704 T-10937

Time and date of exposure 14:44 19 Nov 1957 Reference station MOBILE ALA

Date of field inspection MAY 1959 Subordinate station Mobile, Mobile River

DIURNAL 1.5  
Mean range

Ratio of ranges

	Time	
	h.	m.
High tide	22	03
Low tide	8	33
Duration of rise or fall	13:30	

	Height		Ratio of ranges
	feet		
High tide	1.5	✓	
Low tide	-0.2	✓	
Range of tide	1.7		

	Time	
	h.	m.
High tide at Ref. Sta.		
Time difference		
Corrected time at Subordinate station		

	Time	
	h.	m.
Low tide at Ref. Sta.		
Time difference		
Corrected time at Subordinate station		

	h. m.		Ht. H. T. or L. T.	feet	Photo. No.
	h.	m.			
Time H. T. or L. T.	8:33	✓	Ht. H. T. or L. T.	-0.2	✓
Required time interval	14:44	✓	Tabular correction	.8	
	6:11	✓	Stage of tide above MLW	.6	
Time H. T. or L. T.			Ht. H. T. or L. T.		
Required time interval			Tabular correction		
			Stage of tide above MLW		
Time H. T. or L. T.			Ht. H. T. or L. T.		
Required time interval			Tabular correction		
			Stage of tide above MLW		
Time H. T. or L. T.			Ht. H. T. or L. T.		
Required time interval			Tabular correction		
			Stage of tide above MLW		
Time H. T. or L. T.			Ht. H. T. or L. T.		
Required time interval			Tabular correction		
			Stage of tide above MLW		
Time H. T. or L. T.			Ht. H. T. or L. T.		
Required time interval			Tabular correction		
			Stage of tide above MLW		
Time H. T. or L. T.			Ht. H. T. or L. T.		
Required time interval			Tabular correction		
			Stage of tide above MLW		

M-2617-12

Computed by *W. M. D.* Checked by *1/5*



FIELD EDIT REPORT  
MAPS T-10934 THROUGH T-10937  
PROJECT Ph-5704

51. METHODS

Field edit was confined to the checking of the shoreline and the immediately adjacent areas. The shoreline was checked visually by skiff running close to shore. Doubtful areas were checked by measurement or planetable to verify their delineation on the manuscript. Shoreline changes in maps T-10934 and T-10937 were corrected by planetable on the manuscripts.

The buildings along the waterfront areas were checked for accuracy and/or adequacy as landmarks and are adequate as shown on the manuscripts.

The discrepancy print for each map was used as a field edit sheet. All field edit information has been indicated on the field edit sheet or cross-referenced to one of several prints, which are submitted. All additions or corrections have been noted in violet. Deletions are in green.

52. ADEQUACY OF COMPILATION

The compilation was checked visually and will be adequate after application of field edit information.

53. MAP ACCURACY

Horizontal accuracy checks of the manuscripts were not required.

54. RECOMMENDATIONS

None are offered.

55. EXAMINATION OF PROOF COPY

A complete investigation of the discrepancies in names, as raised by the reviewer, was made. The name "Moore Creek" is recommended in map T-10937 as the two choices offered, "Moore Creek" or "Spencer Branch". The names "Tillmans Corner" or "Three Notches", "Government Boulevard" or "U.S. Highway 90", and "Halls Mill Road" or "Old Spanish Trail", in map T-10936

were investigated. According to all sources contacted "Tillmans Corner" is the name recommended for mapping. The name "Three Notches" appears to be obsolete although it was used many years ago. A posted sign on each side of the intersection also reads "Tillmans Corner". The official name of U.S. Highway 90 is "Government Boulevard" out to the city limits. The name "U.S. Highway 90" is used past this point. The official name "Halls Hill Road" also ends at the city limits, however, all sources contacted agreed that the name should apply to all of the road out to its intersection with U.S. Highway 90 at "Tillmans Corner". Posted signs at "Tillmans Corner" and other intersections along the road, indicate that the name applies as recommended. The name "Old Spanish Trail" appears to be obsolete and is not recommended for mapping.

The following local residents were contacted and all agreed on the above recommendations; Mr. Leroy Stevens, President of the County Board of Commissioners, and a resident for 60 years, Miss Helen Williams, secretary, County Board of Commissioners for 35 years, Mr. Donald L. Smith, Mobile County Engineer for 28 years, J.J. Heiter Jr., Senior Engineer for the city of Mobile for 36 years, and L.T. Casson, Senior Engineer for the city of Mobile for 20 years.

The county engineer and the personnel in the city engineer's office agreed to examine a proof copy of these manuscripts. The address of the county engineer is Mr. Donald L. Smith, County Engineer, Mobile County Courthouse, Mobile, Alabama. The address of the City Engineer is Mobile City Hall, Mobile, Alabama.

Submitted

*William M. Reynolds*  
William M. Reynolds

NOTES TO WASHINGTON OFFICE REVIEWER:

Numerous roads or streets were classified as "ddl" by the field inspector. In areas where a street pattern was obvious these were shown as double full line roads.

TAMPA

Review Report  
Planimetric Maps  
T-10936 thru T-10943  
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-3712	1:40,000	1918
T-3713	1:40,000	1918
T-3715	1:10,000	1919
T-5532	1:20,000	1934
T-5533	1:20,000	1934

There are cultural and shoreline changes due to the differences in time interval. T-19036 thru T-10943 are to supersede the above surveys of common area.

63. Comparison with Maps of Other Agencies

Theodore	1:24,000	1953
Hollingers	1:24,000	1953
Coden	1:24,000	1956
Bellevue	1:24,000	1956

See Item 46.

64. Comparison with Contemporary Hydrographic Surveys

H-8573	1:10,000	1961
H-8575	1:10,000	1961
H-8561	1:10,000	1961
H-8587	1:10,000	1961

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

65. Comparison with Nautical Charts

1265	1:50,000	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 maps comply with the National Map Accuracy Standards and meet Bureau requirements.

Reviewed by:

L. C. Lande  
L.C. Lande

Approved by:

Charles D. Lewis  
Chief, Photogrammetric Branch

Chief, Nautical Chart Division

L. F. Woodward  
Chief, Photogrammetry Division