

10934

Original

10934

10934

Form 504	
U. S. DEPARTMENT OF COMMERCE	
COAST AND GEODETIC SURVEY	
DESCRIPTIVE REPORT	
Type of Survey	PLANIMETRIC
Field No.	Office No. T-10934
LOCALITY	
State	ALABAMA
General locality	MOBILE BAY
Locality	MOBILE - MERTZ
1957 - 1961	
CHIEF OF PARTY	
Joseph K. Wilson, Chief of Field Party	
V. Ralph Sobieralski, Tampa District Office	
LIBRARY & ARCHIVES	
DATE	

USCOMM-DC 5087

DESCRIPTIVE REPORT - DATA RECORD

T - 10934

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: ~~William R. Kachel~~
v. Ralph Sobieralski

Instructions dated (II) (III): (II) 23 June 1958 (Field) Copy filed in Division of
10 Feb. 1959 (Field Suppl. 1) Photogrammetry (IV)
(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 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

~~Mean low water~~ 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): MOBILE, MURPHY HIGH SCHOOL CHIMNEY, 1935

Lat.: 30°41'00.134" (4.1 m.) Long.: 88°05'10.765" (286.5 m.) Adjusted
~~unadjusted~~

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.

DESCRIPTIVE REPORT - DATA RECORD

2.
U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

PLANIMETRIC

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

Inapplicable

DESCRIPTIVE REPORT - DATA RECORD

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

Date: **May 1959**

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

Date:

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

Date: **July 1961**

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

Projection and Grids ruled by (IV): **P. J. Dempsey (W.O.)**

Date: **Aug. 1959**

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

Date: **Aug. 1959**

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

Date: **Oct. 1959**

Control checked by (III): **V. P. Cackowski**

Date: **Oct. 1959**

Radial Plot or Stereoscopic
Control extension by (III): **R. R. Wagner**

Date: **April 1960**

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

Date:

Date:

Manuscript delineated by (III): **I. I. Saperstein**

Date: **May 1960**

of map manuscript
Photogrammetric Office Review by (III): **W. H. Shearouse**

Date: **June 1960**

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

Date:

DESCRIPTIVE REPORT - DATA RECORD

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

4.

PHOTOGRAPHS (III)

Number	Date	Time	Scale	Stage of Tide
56808	19 Nov. 1957	1445	1:10,000	The part of Dog River
56809	"	1446	"	on this manuscript is
56822	"	1507	"	about 7 miles from
56846	"	1524	"	mouth and tide cannot
56847	"	1525	"	be predicted with any
56848	"	1525	"	degree of accuracy

Tide (III)

See above "stage of tide"

Reference Station:
Subordinate Station:
Subordinate Station:

Ratio of Ranges	Mean Range	Spring Range

Washington Office Review by (IV):

Date:

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

Date: October 1961

Final Drafting Rev'd by: W.H.Shearouse (TDO)

October 1961

Drafting verified for reproduction by (IV):

Date:

Proof Edit by (IV):

Date:

Land Area (Sq. Statute Miles) (III): 16

Shoreline (More than 200 meters to opposite shore) (III): 5 linear miles

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

Control Leveling - Miles (II):

Number of Triangulation Stations searched for (II): 16*

Recovered: 4

Identified: 5

Number of BMs searched for (II): 1

Recovered: 1

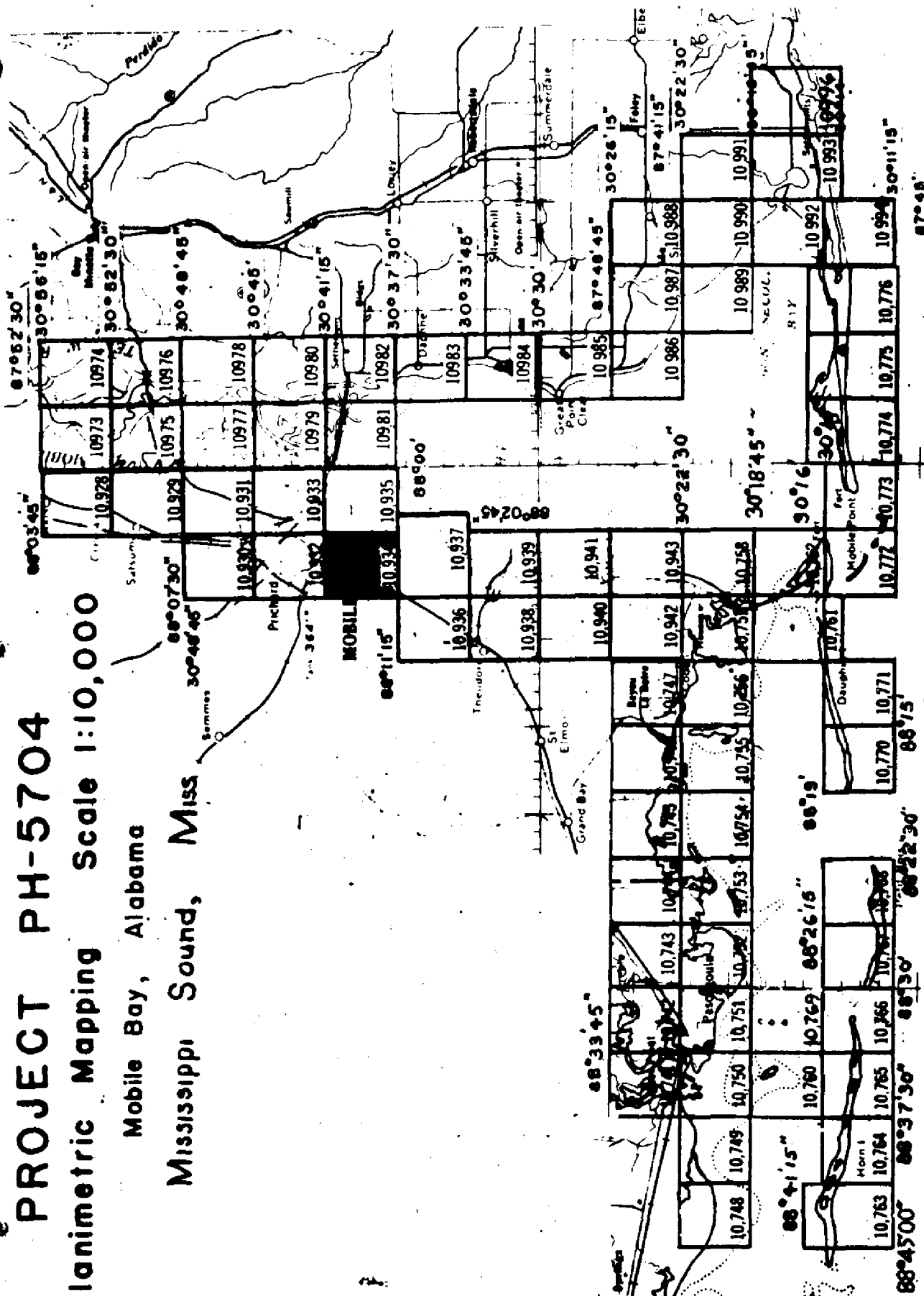
Identified: 0

Number of Recoverable Photo Stations established (III): 1

Number of Temporary Photo Hydro Stations established (III): 0

Remarks: *Includes 3 stations west of map limits.

Mississippi Sound, Miss



FIELD INSPECTION REPORT
Map T-10934
Project Ph-5704

Please refer to Field Inspection Report submitted with map T-10932 for all information pertaining to this map.

William M. Reynolds
William M. Reynolds
Acting Chief of Party

U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY
DESCRIPTIVE REPORT
CONTROL RECORD

1 of 2

MAP T-10934

PROJECT NO. Ph-5704

SCALE OF MAP 1:10,000

SCALE FACTOR

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR μ -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)	
305-1 (AGS) 1938	AGP page 33	N.A. 1927	244, 706.44 317, 508.92	74586.7	✓		PL RJP	10/28/59	
305-2 (AGS) 1938	"	"	245, 242.22 316, 451.87	96776.9	✓		✓ YPE	"	"
305-3 (AGS) 1939	"	"	245, 927.09 309, 032.23	74750.0	✓		"	"	"
305-4 (AGS) 1939	AGP page 42	"	244, 588.17 308, 646.20	96454.7	✓		"	"	"
305-5 (AGS) 1939	"	"	241, 868.62 303, 823.92	74958.7	✓		"	"	"
311-1 (AGS) 1938	AGP page 45	"	239, 110.99 319, 098.45	94193.2	✓		"	"	"
311-2 (AGS) 1938	"	"	238, 536.21 316, 932.47	73721.7	✓		"	"	"
311-3 (AGS) 1938	"	"	234, 785.87 312, 929.25	92605.7	✓		"	"	"
311-4 (AGS) 1939	AGP page 33	"	234, 800.72 312, 579.25	72881.2	✓		"	"	"
312-1 (AGS) 1939	"	"	237, 123.95 323, 320.68	97261.4	✓		"	"	"
312-2 (AGS) 1939	"	"	235, 606.53 322, 761.62	72712.1	✓		"	"	"
COTTAGE, 1935	G.P. page 58	"	30° 38' 57" 178 88° 08' 22" 113	96601.2	✓		"	"	"
				71562.9	✓		"	"	"
				95685.8	✓		"	"	"
				71567.4	✓		"	"	"
				95274.3	✓		"	"	"
				72275.5	✓		"	"	"
				98548.3	✓		"	"	"
				71813.0	✓		"	"	"
				98377.9	✓		"	"	"
				1760.7	✓		"	"	"
				588.8	✓		"	"	"

W of sheet
Do not plot1 FT. = 3048006 METER
COMPUTED BY: RFS

DATE 11 Sept 59

CHECKED BY: 115

DATE 11 Sept 59

MAP T-10934

PROJECT NO. Ph-5704

SCALE OF MAP 1:10,000

SCALE FACTOR

[illegible]

COMPILATION REPORT T-10934

PHOTOGRAMMETRIC PLOT REPORT

Submitted with T-10928.

31. DELINEATION

Delineation was by the graphic method. The field inspection was generally good and no difficulty was encountered in the interpretation of the photographs. The photographs, however, were poor in that most of them were tilted, especially photograph 56846 for which a tilt computation was made and an isocenter has been indicated on the manuscript and on the photograph. The wing chambers were put together poorly so that detail along the chamber junctions did not match by as much as 1.5 m.m.

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 was shown as indicated by the field inspector, as were all piers and other alongshore details. The shoreline inspection was adequate except for one change made by the compiler after stereoscopic examination. This change was made at the bend of the Dog River at Navco. There are no low-water or shoal lines.

36. OFFSHORE DETAILS

The offshore details in the Dog River have been shown according to the field inspection notes.

COMPILATION RECORD

COMPLETION DATE

REMARKS

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

37. LANDMARKS AND AIDS

Two landmarks have been located - one is a landmark for Nautical and Aeronautical Charts, and one is for Aeronautical Charts only. They were submitted on Form 567 on 15 July 1960.

There are no aids to navigation.

38. CONTROL FOR FUTURE SURVEYS

No photo-hydro stations were located.

One topographic station was located - TANK, 1959 - and listed under Item 49.

39. JUNCTIONS

Junction has been made with T-10932 to the north, T-10935 to the east and T-10937 to the south. The junction with SPRING HILL quadrangle, 1:24,000, 1953, to the west is good except for some secondary ditches.

40. HORIZONTAL AND VERTICAL ACCURACY

No statement.

41. BOUNDARIES

The entire manuscript, except Brookley Air Force Base, lies within the city limits of Mobile according to the legislative Act of 2 June 1956. The limits of Brookley Air Force Base have been shown according to the map listed under Item 33 B.

46. COMPARISON WITH EXISTING MAPS

Comparison has been made with U.S.G.S. quadrangle MOBILE, 1:24,000, edition of 1953. The comparison is favorable.

Comparison has also been made with planimetric maps T-5531 and T-5532, 1:20,000, dated 1934. The 1934 maps are obsolete.

12

47. COMPARISON WITH NAUTICAL CHARTS

Comparison has been made with Chart 1266, 1:80,000, edition of 16 November 1950, corrected to July 1960.

The manuscript appears to be in agreement with the chart except for the addition of the new U. S. Highway 90.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None.

ITEMS TO BE CARRIED FORWARD

None.

I. I. Saperstein
I. I. Saperstein
Cartographer (Photo)

APPROVED AND FORWARDED

V. Ralph Sobieralski
V. Ralph Sobieralski
Tampa District Officer

15 July 1960

To: Tampa District Officer
Coast and Geodetic Survey
P. O. Box 190
Tampa, Florida

Subject: TACAN on T-10934, Project Ph 5704

The TACAN to which you refer in your letter of 1 June was located in the Washington Office by a three or four photo plot and agrees very well with your position.

Aeronautical aids should be submitted on Form 567 by the field party. Since they neglected to do so in this case, the compilation office should submit the form with its position. The aid should be mapped with a circle and dot symbol, and labelled with the name and date of location.

(signed) L. W. Swanson

L. W. Swanson, Chief
Photogrammetry Division

48. GEOGRAPHIC NAME LIST

Names have been taken from the U. S. Geological Survey quadrangle MOBILE, ALABAMA, and the city map of Mobile.

ALABAMA

BALTIMORE PARK

~~BETHANY CHURCH~~

BOLTON BRANCH

BROOKLEY AIR FORCE BASE

COTTAGE HILL ROAD

CRAWFORD PARK

DAUPHIN STREET

DAUPHIN WAY CHURCH

DOG RIVER

ESLAVA CREEK

FARNELL

FOREST PARK

FORT WHITING ARMORY

FULTON ROAD

GOVERNMENT BLVD *ok ajw*

GOVERNMENT ST.

GRANT ST.

GULF MOBILE AND OHIO RR

HALLS MILL ROAD *ok ajw*

HANNON PARK

HARTWELL FIELD

LADD MEMORIAL STADIUM

LOUISVILLE AND NASHVILLE RR

MAGNOLIA CEMETERY

MARYVALE SCHOOL

MERTZ

MICHIGAN

MOBILE

MURPHY HIGH SCHOOL

NATIONAL CEMETERY

NAVCO

NESHOTA

\ PINECREST CEMETERY
PLEASANT VALLEY ROAD

ST. RICKARBY PARK
STATE 163
\ STATE VOCATIONAL TRADE SCHOOL

U. S. ARMY CORPS OF ENGINEERS DISTRICT OFFICE
U. S. ARMY RESERVE TRAINING CENTER
U. S. 90 *OK after*

WOODCOCK BRANCH
WRAGG SWAMP

\ ZION CHURCH AND CEMETERY

\ = Names OK for charting
but not true geog. names

*All names checked
and approved
12-10-65
A. J. Wright*

49. NOTES FOR THE HYDROGRAPHER

One topographic station has been located:

TANK, 1959 (Landmark)

FORM 182 (3-61)		50		PHOTOGRAMMETRIC OFFICE REVIEW T. 10934		U.S. DEPARTMENT OF COMMERCE COAST AND GEODETIC SURVEY	
1. PROJECTION AND GRIDS WHS		2. TITLE WHS 1a. Classification label <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 XX		17. LANDMARKS WHS		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 William H. Shearouse			SIGNATURE OF SUPERVISOR, REVIEW SECTION OR UNIT 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 COMPILER Robert R. Wagner				SIGNATURE OF SUPERVISOR Milton M. Slavney			

USE REVERSE SIDE FOR REMARKS

USCOMM-DC 25353-P61

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 of 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 Mill 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 engineers' 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

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

Greola	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

Shorelines 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 H. Henson
Chief, Photogrammetric Branch

Chief, Nautical Chart Division

L. J. Wordwick
Chief, Photogrammetry Division