

10935

Original

10935

10935

Form 504	
U. S. DEPARTMENT OF COMMERCE	
COAST AND GEODETIC SURVEY	
DESCRIPTIVE REPORT	
Type of Survey	PLANIMETRIC
Field No.	Office No. T-10935
LOCALITY	
State	ALABAMA
General locality	MOBILE BAY
Locality	MOBILE - PINTO ISLAND
1957- 19 61	
CHIEF OF PARTY	
Joseph K. Wilson, Chief of Party 720	
V. R. Sobieralski, Tampa District Office	
LIBRARY & ARCHIVES	
DATE	

USCOMM-DC 5087

DESCRIPTIVE REPORT - DATA RECORD

T-10935

Project No. (II): PH-5704

Quadrangle Name (IV):

Field Office (II): Pascagoula, Mississippi

Chief of Party: J. 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 Apr. 1959 (Office)

9 Sept. 1959 (Stereo Bridging)

17 Aug. 1959 (Office Suppl.1)

6 Oct. 1959 (Office and 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

~~Approximate~~ 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): McDuffie, 1960

Lat.: 30°39'14.93" (459.8m)

Long.: 88°02'11.48" (305.7 m)

~~Approximate~~
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.

U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

PLANIMETRIC

COMM-DC-57842

DESCRIPTIVE REPORT - DATA RECORD

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

Date: June 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: 20 Nov. 1957
Air photo compilation, except for about 5,000 ft. of shoreline at approximate
Lat. 30°38', Long. 88°03.5' which was obtained by planetable methods in Apr. 1959.

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 on Stereoscopic

Date: May 1960

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

Stereoscopic Instrument compilation (III):
Planimetry
Contours

Inapplicable

Date:

Date:

Manuscript delineated by (III): E. T. Ogilby

Date: June 1960

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

Date: Sept. 1960

Elevations on Manuscript

checked by (II) (III): Inapplicable

Date:

DESCRIPTIVE REPORT - DATA RECORD

Camera (kind or source) (III): C and G S 9-lens

4

Number	Date		Time		Scale	Stage of Tide
56937	20	Nov. 1957	10:30		1:10,000	- 0.4
56938	"	"	10:30		"	"
56965	"	"	10:48		"	"

Predicted Tide (III)

Reference Station: MOBILE, MOBILE RIVER

Subordinate Station:

Subordinate Station:

Diurnal

Ratio of Ranges	Mean Range	Spring Range
	1.5	

Washington Office Review by (IV):

Date:

Final Drafting by (IV): V.P.Cackowski (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): 4

Shoreline (More than 200 meters to opposite shore) (III): 13

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

Control Leveling - Miles (II): Inapplicable

Number of Triangulation Stations searched for (II): 18

Recovered: 3

Identified: 3

Number of BMs searched for (II): 2 *

Recovered: 2

Identified: 1

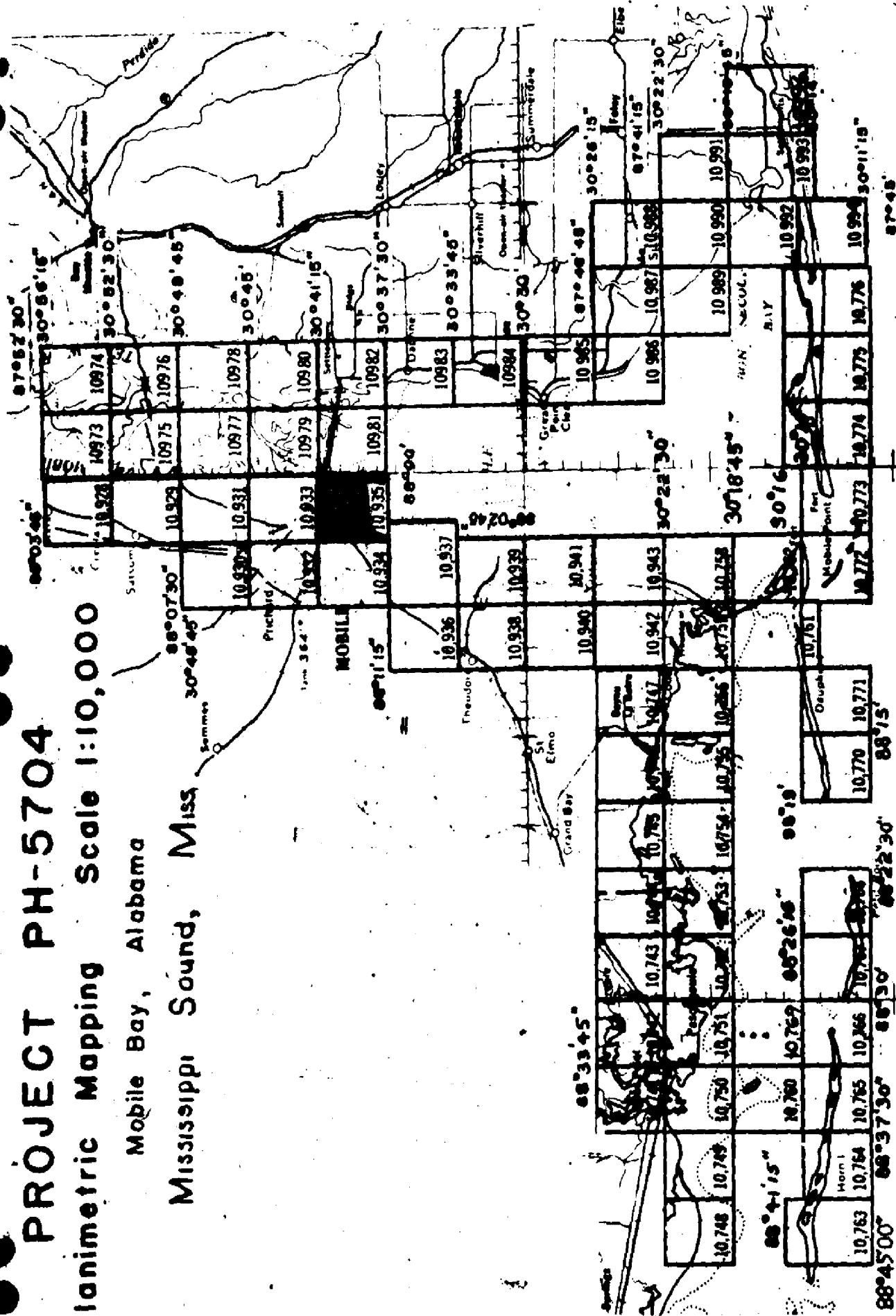
Number of Recoverable Photo Stations established (III): None

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

Remarks: * Only tidal bench marks were searched for.

Triangulation stations McDuffie and Mobile, National Gypsum Co. Water Tank were established in 1960. Positions were furnished and the stations are shown on the manuscript. Descriptions (Form 525) were not available.

Mississippi Sound, Miss



FIELD INSPECTION REPORT
Map T-10935
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

MAP T-10935

PROJECT NO. PH-5704

SCALE OF MAP 1:10,000

SCALE FACTOR

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR ψ -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)		
MOBILE, SMITH'S	GP	N.A.	30° 41' 16.944	✓	521.8	✓		PL RJP	10/28/59		
BAKERY TANK, 1935	page 75	1927	88° 03' 38.082	✓	1013.6	✓		✓ VPC	"		
MOBILE, ST VINCENTS CATHOLIC CHURCH SPIRE, 1935	"	"	30° 40' 56.037	✓	1725.7	✓		"	"		
			88° 02' 42.512	✓	1131.5	✓		"	"		
SOUTH BRIDGE			30° 40' 55.982	✓	1847.1	✓		"	"		
EAST PULLEY, 1935	"	"	88° 00' 31.391	✓	835.5	✓		"	"		
SOUTH BRIDGE			30° 41' 01.196	✓	36.8	✓		"	"		
WEST PULLEY, 1935	Pg 74	"	88° 00 33.254	✓	885.1	✓		"	"		
QUARANTINE STATION	"	"	30 39 45.520	✓	Destroyed	✓		1401.7	✓	"	"
RESERVATION FLAGPOLE 1935	Pg 74	"	88 02 05.138	✓	Used in plot	✓		136.8	✓	"	"
TOLL, 1935	"	"	30 40 48.968	✓	1507.9	✓		"	"	"	"
	Pg 58		88 00 02.185	✓	58.2	✓		"	"	"	"
207 (AGS) 1939	Mobile Co.	"	249, 731.21	✓	7 6118.2	✓		"	"	"	"
	Pg 20		338, 961.16	✓	10 3315.6	✓		"	"	"	"
208 (AGS) 1939	"	"	250, 445.80	✓	7 6336.0	✓		"	"	"	"
			337, 467.29	✓	10 2860.2	✓		"	"	"	"
MC DUFFIE 1960	field	"	30 39 14.93	✓		✓		459.8 (1387.9)	✓	Pg VPC 6/24/60	
Mobile, National	pos.	"	88 02 11.98	✓		✓		305.7 (1291.8)	✓	✓ VPC	
Gypsum Water Tk.	field	"	30 39 43.94	✓		✓		11353.1 (494.6)	✓	Pg VPC 6/27/60	
1960	pos.	"	88 02 51.40	✓		✓		1368.4 (228.9)	✓	✓ VPC	

1 FT. = .3048006 METER
COMPUTED BY:

56

DATE 14 Sept 59

CHECKED BY: 115

DATE 14 Sept 59

COMM-DC-57843

COMPILATION REPORT
T-10935

PHOTOGRAMMETRIC PLOT REPORT

Submitted with T-10928

31. DELINEATION

The graphic method was used. The photographs and field inspection were good and no trouble was encountered.

32. CONTROL

See photogrammetric plot report.

33. SUPPLEMENTAL DATA

A map of Pinto Island showing the general plant arrangement of the Alabama Dry Dock and Shipbuilding Company was used to supplement the photographs in locating the railroads.

34. CONTOURS AND DRAINAGE

Inapplicable.

35. SHORELINE AND ALONGSHORE DETAILS

Shoreline and alongshore details and the low-water line have been delineated according to field inspection notes. The inspection was adequate.

36. OFFSHORE DETAILS

None.

37. LANDMARKS AND AIDS

Landmarks and non-floating aids for charts have been listed on Form 567. They were forwarded to the Washington Office under date of 15 July 1960.

Two landmarks (WALA RADIO TOWERS) were inadvertantly omitted from the 15 July listing. Form 567 has been executed for them and submitted under date of 5 October 1960.

COMPILATION RECORD

COMPLETION DATE

REMARKS

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

38. CONTROL FOR FUTURE SURVEYS

None

39. JUNCTIONS

Junctions were made with T-10933 to the north, T-10981 to the east, T-10934 to the west and T-10937 to the south.

40. HORIZONTAL AND VERTICAL ACCURACY

No statement.

46. COMPARISON WITH EXISTING MAPS

Comparison was made with U.S.G.S. Quadrangle MOBILE AIA, scale 1:24,000 revised in 1953 and with U.S.C. & G.S. Planimetric Maps: No. T-5531, scale 1:10,000 and T-5532, scale 1:20,000 compiled from photographs of July 1934. The comparison was favorable and the discrepancies noted were to be expected with the differences in dates. Worthy of mention are the apparent continuous changes in the size of McDuffie Island. This seems to be a spoil dumping area for ship channel sweepings.

47. COMPARISON WITH NAUTICAL CHARTS

Comparison was made with USC&GS Chart 1266, 15th edition, scale 1:80,000 corrected to 23 July 1960. The chart compares favorably.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None.

ITEMS TO BE CARRIED FORWARD

None.

T. M. Slawney
for E. T. Ogilby
Cartographer (Photo)

Approved and Forwarded:

V. Ralph Sobieralski
V. Ralph Sobieralski
Tampa District Officer

48. GEOGRAPHIC NAME LIST

Geographic names have been taken from the following sources:
Nautical Chart 1266 and U.S. Geological Survey Quadrangle MOBILE, ALA.
No conflicts were noted.

ALABAMA

ARLINGTON CHANNEL

BALTIMORE PARK

BATTERY GLADDEN

BATTERY MCINTOSH

BROAD STREET

BROOKLEY AIR FORCE BASE

CHATHAM STREET

CHOCTAW PASS

CHOCTAW POINT

CHURCH STREET CEMETERY

COCHRANE BRIDGE

DEFORRES HOSPITAL

GARROWS BEND

GARROWS BEND CHANNEL

GOVERNMENT STREET

LITTLE SAND ISLAND

MAGNOLIA CEMETERY

MCDUFFIE ISLAND

MOBILE

MOBILE COUNTY

MOBILE RIVER

MOBILE BAY

NATIONAL CEMETERY

PINTO ISLAND

PINTO PASS

ROYAL STREET

TENSAW RIVER

U.S. 31

U.S. 43

U.S. 90

U.S. 98

VIRGINIA STREET

WASHINGTON AVENUE

WASHINGTON SQUARE

WATER STREET

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

*All Names checked
and approved
12 - 10 - 65*

A. J. Wright

49. NOTES FOR THE HYDROGRAPHER

None.

TIDE COMPUTATION

PROJECT NO. Ph. 5704 T-10935

1030

Time and date of exposure 20 NOV 1957

Reference station

MOBILE, MOBILE RIVER

Diurnal
Mean range 1.5

Date of field inspection May 1959

Subordinate station

Ratio of ranges

Time		Height feet	Height x Ratio of ranges	Time	
h.	m.			h.	m.
High tide	22 39	1.6		High tide at Ref. Sta.	
Low tide	9 12	-0.4		Time difference	
Duration of rise or fall	13 27		2.0	Corrected time at Subordinate station	

h. m.		Ht. H. T. or L. T. Tabular correction Stage of tide above MLW	feet	Feature bares Stage of tide above MLW Feature above MLW	feet	Photo. No.
Time H. T. or L. T. Required time Interval	9 12 10 30 1 18					
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						
Time H. T. or L. T. Required time Interval						

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 "Hall's 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 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

FORM 182 (3-61)		PHOTOGRAMMETRIC OFFICE REVIEW T- 10935		U.S. DEPARTMENT OF COMMERCE COAST AND GEODETIC SURVEY	
1. PROJECTION AND GRIDS WBS		2. TITLE WBS		3. MANUSCRIPT NUMBERS WBS	
		4a unclassified		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) WBS		
	7. PHOTO HYDRO STATIONS XX	8. BENCH MARKS WBS	9. PLOTTING OF SEXTANT FIXES WBS	10. PHOTOGRAMMETRIC PLOT REPORT MMS	
	11. DETAIL POINTS WBS				
ALONGSHORE AREAS (Nautical Chart Data)	12. SHORELINE WBS	13. LOW-WATER LINE WBS	14. ROCKS, SHOALS, ETC. WBS	15. BRIDGES WBS	
	16. AIDS TO NAVIGATION WBS	17. LANDMARKS WBS	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 WBS	28. BUILDINGS WBS	29. RAILROADS WBS		
	30. OTHER CULTURAL FEATURES WBS				
BOUNDARIES	31. BOUNDARY LINES WBS		32. PUBLIC LAND LINES XX		
MISCELLANEOUS	33. GEOGRAPHIC NAMES WBS		34. JUNCTIONS WBS		
	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 COMPILED <i>Robert E. Wagner</i> Robert E. Wagner			SIGNATURE OF SUPERVISOR <i>Milton M. Slavney</i> Milton M. Slavney		

Note to Reviewer:

Attention is called to page 108 of Fourth (1958) edition of Coast Pilot 5, Gulf Coast, where it is stated that the lift span of the bridge at the mouth of Tensaw River (Lat. $30^{\circ}41'$, Long. $88^{\circ}00.5'$) has a horizontal clearance of 142 feet. Nautical chart No. 1266 gives the clearance as 180 feet.

It is also noted that this is classified as a "fixed bridge" on the chart whereas the Coast Pilot declares it to be a lift span which is opened only by special arrangement.

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

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 D. Henry
Chief, Photogrammetric Branch

Chief, Nautical Chart Division

L. F. Woodcock
Chief, Photogrammetry Division