

T-10982**T-10982****10982**

Form 504	
U. S. DEPARTMENT OF COMMERCE	
COAST AND GEODETIC SURVEY	
DESCRIPTIVE REPORT	
Type of Survey	PLANIMETRIC
Field No.	Office No. T-10982
LOCALITY	
State	ALABAMA
General locality	MOBILE BAY
Locality	SPANISH FORT
1957-1961	
CHIEF OF PARTY	
Joseph K. Wilson, Chief Photo Party 720	
V. Ralph Sobieralski, Tampa District Office	
LIBRARY & ARCHIVES	
DATE	

DESCRIPTIVE REPORT - DATA RECORD

T - 10982

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

Field Office (II): Fairhope, Alabama

Chief of Party: Joseph K. Wilson

Photogrammetric Office (III): Tampa, Florida

Officer-in-Charge: William R. Kachel

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 August 1959 (Office Suppl.1)

6 October 1959 (Office Suppl.1)

17 August 1959 (Field Suppl.2)

10 November 1959 (Field and Office

Location of Aids to Navigation: 7 Oct 1959

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 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): LAKE FOREST WATER TANK 1960

Lat.: 30°38'41.32" (1272.4 m) Long.: 87°54'21.08" (561.3 m)

Adjusted
~~corrected~~

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

(11) (111)

(ii) (iii)
Inapplicable

DESCRIPTIVE REPORT - DATA RECORD

Field Inspection by (II): Joseph K. Wilson
W. M. Reynolds
Matthew A. Stewart

Date: Oct. 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 Photography: 19 Nov. 1957

Projection and Grids ruled by (IV): J.E.T. (Wash. Off.)

Date: Dec. 1959

Projection and Grids checked by (IV): E. J. Dempsey (Wash. Off.)

Date: Dec. 1959

Control plotted by (III): W.W. Dawsey

Date: May 1960

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

Date: May 1960

Radial Plot or Stereoscopic

Date: June 1960

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

Planimetry

Date:

Stereoscopic Instrument compilation (III): Inapplicable

Contours

Date:

Manuscript delineated by (III): R. Dossett

Date: July 1960

of compilation

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

Date: Sept. 1960

Elevations on Manuscript

Date:

checked by (II) (III): Inapplicable

DESCRIPTIVE REPORT - DATA RECORD

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

4

Number	PHOTOGRAPHS (III)		Scale	Stage of Tide
	Date	Time		
56385	19 Nov. 1957	15:51	1:10,000	* 0.6
56384	" " "	15:50	"	"
56383	" " "	15:49	"	"
57016	20 " "	11:25	"	Inshore
57017	" " "	11:26	"	"
57018	" " "	11:27	"	"

Predicted
Tide (III)

Reference Station: **Mobile**
Subordinate Station: **Mobile, Mobile River**
Subordinate Station:

	Ratio of Ranges	Mean Range	Spring Range
diurnal			1.5

Washington Office Review by (IV):

Date:

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

Date: **Nov. 1961**

" " Reviewed by: **W. A. Shearouse (Tampa District Office)**

Jan. 1962

Drafting verified for reproduction by (IV):

Date:

Proof Edit by (IV):

Date:

Land Area (Sq. Statute Miles) (III): **24**

Shoreline (More than 200 meters to opposite shore) (III): **21**

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

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

Number of Triangulation Stations searched for (II): **22 #**

Recovered: **6 #**

Identified: **7 ***

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

Recovered: **0**

Identified: **0**

Number of Recoverable Photo Stations established (III): **1**

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

Remarks: ***Station 308 (AGS) 1936 was found broken off but was identified for use in the radial plot.**

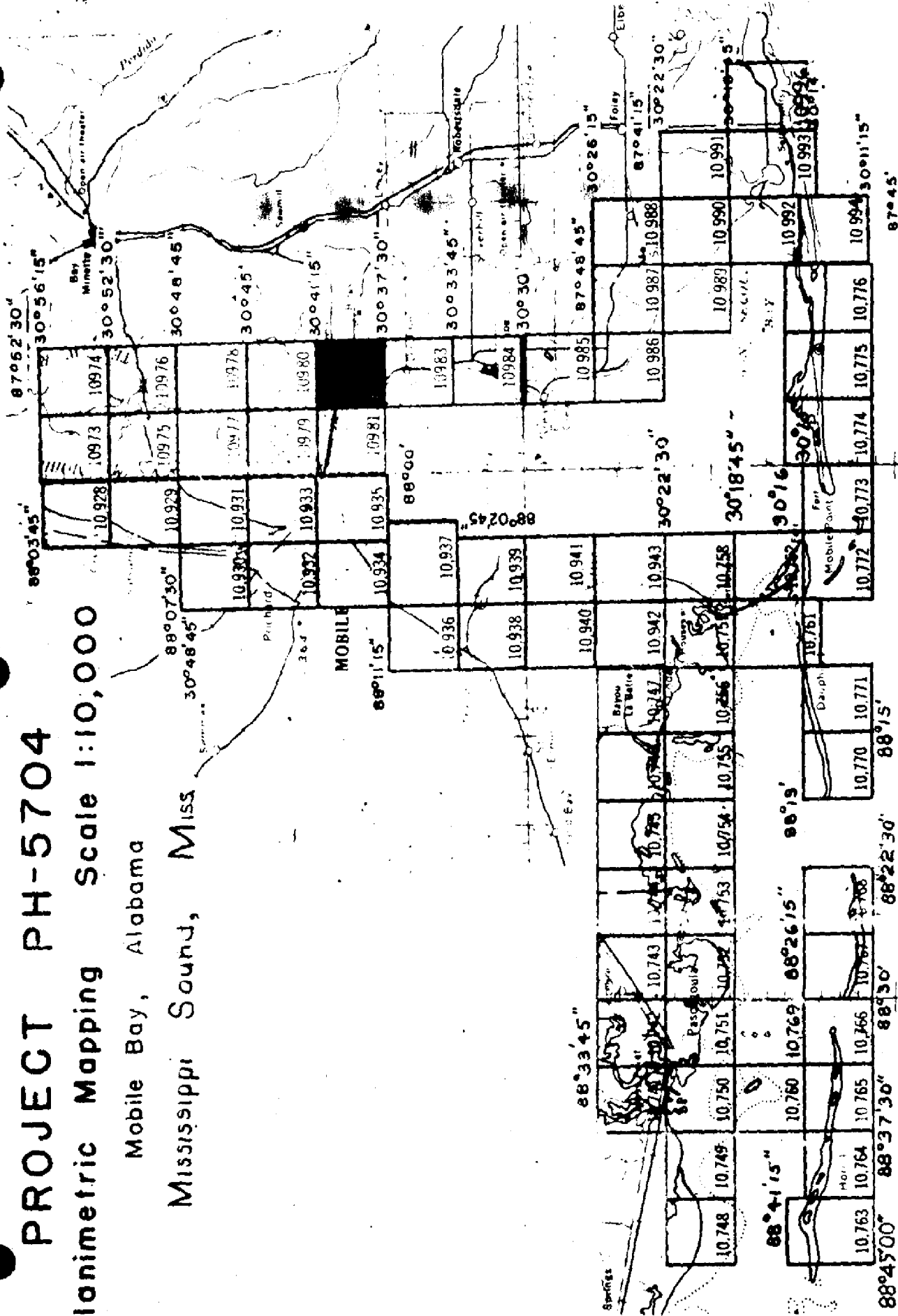
#LAKE FOREST W.T. 1960 was located by Geodesy and a preliminary field position furnished this office in July 1960. No Form 525 was received.

PROJECT PH-5704

Planimetric Mapping Scale 1:10,000

Mobile Bay, Alabama

Mississippi Sound, Miss



FIELD INSPECTION REPORT
Project Ph-5704
Map T-10982

Please refer to the Field Inspection Report for Map T-10984 for all data pertaining to this map.

Submitted:

OCT 16 1959

Joseph K. Wilson

Joseph K. Wilson

Chief, Photo Party 720

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

1 of 2

MAP T-10982

PROJECT NO. Ph-5704

SCALE OF MAP 1:10,000

SCALE FACTOR

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR ψ -COORDINATE LONGITUDE OR χ -COORDINATE	DISTANCE FROM GRID IN FEET. OR PROJECTION LINE IN METERS FORWARD (BACK)	DATUM CORRECTION	N.A. 1927 - DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS		FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS
						FORWARD	(BACK)	
50 (AGS) 1937	Baldwin Co. Page 1	NA 1927	233, 297.59 370, 888.10			81, 109.25		
51 (AGS) 1937	"	"	234, 253.19 370, 361.16			43, 046.98		
52 (AGS) 1937	"	"	238, 810.49 370, 635.36			71, 400.51		
53 (AGS) 1937	"	"	238, 438.81 370, 981.88			42, 886.30		
181 (AGS) 1939	"	"	243, 694.40 363, 413.53			82, 289.58		
263 (AGS) 1938 (529)	"	"	241, 278.44 370, 831.70			42, 969.88		
307 (AGS) 1936	"	"	250, 245.32 373, 745.96			72, 676.29		
483 (AGS) 1937	"	"	238, 265.48 391, 673.41			43, 075.50		
484 (AGS) 1937	"	"	238, 565.67 384, 121.74			84, 278.20		
486 (AGS) 1937	"	"	238, 395.03 377, 174.05			40, 768.67		
487 (AGS) 1937	"	"	238, 418.52 375, 849.32			83, 541.81		
526 (AGS) 1936	"	"	243, 979.87 376, 080.14			43, 029.72		

1 FT. = 3048006 METER
COMPUTED BY: 115

DATE 18 Dec '59

CHECKED BY: W.W.D.

DATE

COMM-DC-57843

JAN 11 60

8

SCALE FACTOR

1 FT. = .3048006 METER	COMPUTED BY: 115	DATE 18 Dec '59	CHECKED BY: WWD	DATE JAN 11 60	COMM-DC-57843 9
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COMPILATION REPORTT-10982PHOTOGRAMMETRIC PLOT REPORT

Submitted as a part of the Descriptive Report for T-10928.

31. DELINEATION

The graphic method was used.

The photographs of the inshore flight (57016, 57017 and 57018) were of very poor scale. Photos 56385 and 56386 of the shoreline flight were of reasonably good scale.

Refer to the Photogrammetric Plot Report for discussion of photographic coverage. All photos showed some tilt. Field inspection was adequate.

32. CONTROL

See photogrammetric plot report.

33. SUPPLEMENTAL DATA

None.

34. CONTOURS AND DRAINAGE

Inapplicable.

35. SHORELINE AND ALONGSHORE DETAILS

The shoreline and alongshore details have been delineated according to field inspection notes. No low-water or shoal lines were shown. The shoreline inspection was adequate.

36. OFFSHORE DETAILS

Two duck blinds were noted by the field inspection offshore from Village Point and have been delineated accordingly.

Tampa District Office
P O Box 190 Tampa 1 Florida

28 July 1960

To: Chief, Photogrammetry Division
Coast and Geodetic Survey
Washington, D. C.

Subject: Location of Aids to Navigation, Project Ph-5704

Reference: Your letter 732/lrw dated 18 July 1960

A report, on the comparative positions of four lights as located by photogrammetric plot and by geodesy, was submitted on 22 July.

In addition to these lights, several landmarks on the east side of Mobile Bay were located by the triangulation party. Their positions check the photogrammetric positions closely with the exception of WALA Radio and Television Tower, a "no check" position. The discrepancy is 01.53 in latitude and 44.43 in longitude. When the data for T-10982 is forwarded to Photo Hydro Support Unit 720, we intend to request a check to see if the tower has been moved since photography.

It is noted that the "index and progress sketch" in the reference letter were not received, but an index and progress sketch for Ph-5910, Houston Ship Channel, was included.

Arthur L. Hardwell
CDR, USN
Tampa District Officer

MMS/o

CC: SCFP, Box 143
Friedberg, Ala.

The "no check" triangulation position was in error. The tower had not been moved since photography. see Field Edit 0341d.

Tampa.

37. LANDMARKS AND AIDS

There are no non-floating aids to navigation. Landmarks were listed on Form 567 and submitted to the Washington Office under date of ~~15 July 1960~~ 26 April 1961

38. CONTROL FOR FUTURE SURVEYS

One Topo station was established. It is listed under Item 49 and Form 524 is being submitted.

39. JUNCTIONS

A satisfactory junction has been secured with T-10983 on the south, T-10981 on the west and T-10980 on the north. USGS quadrangle STAPLETON ALA. lies to the east. Junction was made with the 1953 edition of this 1:24,000 scale map, agreement being quite satisfactory.

40. HORIZONTAL AND VERTICAL ACCURACY

No comment.

46. COMPARISON WITH EXISTING MAPS

A comparison has been made with USGS quadrangle BRIDGEHEAD, ALA, scale 1:24,000 compiled from aerial photographs and plane table survey of 1939 (revised 1953); also USC&GS air photo compilations T-5529 and T-5530, scale 1:20,000 compiled from 1934 photographs. Differences noted were to be expected due to the passing of time or man-made changes.

47. COMPARISON WITH NAUTICAL CHARTS


Comparison has been made with Nautical Chart No. 1266, scale 1:80,000, edition of 16 Nov. 1959, revised to 18 Apr. 1960. Comparison was favorable. The topographic and planimetric maps listed under Item 46 appear to be the source of topography on the nautical chart and the same difference applies.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

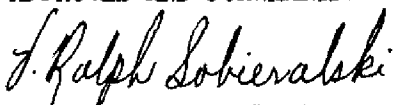
None.

ITEMS TO BE CARRIED FORWARD

None.


Rudolph Dossett
Carto Photo Aid

APPROVED AND FORWARDED:


V. Ralph Sobieralski
Tampa District Officer

48. GEOGRAPHIC NAME LIST

Geographic names were taken from U. S. Geological Survey quadrangle BRIDGEHEAD, ALA. and Nautical Chart 1266. A stream is named YANCY BRANCH on the quadrangle map and YANCY CREEK on the nautical chart. The field editor has been requested to resolve the conflict.* No other disagreements were found.

ALABAMA

BALDWIN COUNTY
BIG ISLAND
BRIDGEHEAD

CHOCHRANE BRIDGE
CLUMP POINT

D'OLIVE BAY
D'OLIVE CEMETERY
D'OLIVE CREEK
DUCKER BAY

EASTERN SHORE BLVD

FELLOWSHIP TABERNACLE
FORT MCDERMOTT

JOES BRANCH
JUSTINS BAY

LAKE FOREST

MOBILE BAY

NORTH FORK

OLD SPANISH FORT CHURCH
OLD SPANISH TRAIL

PARADISE BEACH
PARK CITY

SARDINE PASS
SCRUB POINT
SHELLBANK RIVER
SPANISH FORT
SPANISH FORT BRANCH
SPANISH TRAIL
STATE 12
STATE 42

THE VILLAGE
TIAWASEE CREEK

VILLAGE POINT

WILSON CEMETERY

U S 31
U S 90
U S 98

* ~~YANCY BRANCH~~ YANCEY BRANCH
* ~~YANCY CREEK~~ YANCEY CREEK

* The Field Editor used both on the field edit original "Yancey Creek" for the main stream; when it forks, the south fork is called "Yancey Branch", the north fork is called "North Fork".

Tampa

All names checked
and approved

12-10-65
A. J. Wright

OK 12-65
A. J. W.

49. NOTES FOR THE HYDROGRAPHER

The following is a topographic station which may be of use to the hydrographer:

DARE 1959

COMPILATION RECORD

COMPLETION DATE

REMARKS

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

FORM 182 (3-61)		PHOTOGRAMMETRIC OFFICE REVIEW		U.S. DEPARTMENT OF COMMERCE COAST AND GEODETIC SURVEY	
		T- 10982			
1. PROJECTION AND GRIDS WHS		2. TITLE 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 WHS	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 MMS				
CULTURAL FEATURES	27. ROADS WHS	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 MMS		
	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>M. M. Slattery</i> M. M. Slattery		
	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>R. E. Wagner</i> R. E. Wagner		SIGNATURE OF SUPERVISOR <i>M. M. Slattery</i> M. M. Slattery			

JUN 3 1961

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U. S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

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 photographs 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 useage. 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 useage 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

U. S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

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

Wesley V. Hull
Chief, Photo Hydro Support Unit 721

Diurnal 1.5-

Reference station

Subordinate station Mobile, Mobile Recd

Subordinate station Mobi

Ratio of ranges

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

	Height feet	Height x Ratio of ranges	Time	
			h.	m.
High tide	1.5	1.6	22	03
Low tide	0.2	0.2	00	00
Range of tide		1.7	22	03

	Low tide at Ref. Sta.	Time difference	Time	
			h.	m.
Corrected time at Subordinate station			8	33

	h.	m.		feet		feet	Photo. No.
Time H. T. or L. T.	8	33	Ht. H. T. or L. T.	- 0.2	Feature bares		
Required time	15	50	Tabular correction	0.8	Stage of tide above MLW		
Interval	6	17	Stage of tide above MLW	0.6	Feature above MLW		
Time H. T. or L. T.			Ht. H. T. or L. T.		Feature bares		
Required time			Tabular correction		Stage of tide above MLW		
Interval			Stage of tide above MLW		Feature above MLW		
Time H. T. or L. T.			Ht. H. T. or L. T.		Feature bares		
Required time			Tabular correction		Stage of tide above MLW		
Interval			Stage of tide above MLW		Feature above MLW		
Time H. T. or L. T.			Ht. H. T. or L. T.		Feature bares		
Required time			Tabular correction		Stage of tide above MLW		
Interval			Stage of tide above MLW		Feature above MLW		
Time H. T. or L. T.			Ht. H. T. or L. T.		Feature bares		
Required time			Tabular correction		Stage of tide above MLW		
Interval			Stage of tide above MLW		Feature above MLW		
Time H. T. or L. T.			Ht. H. T. or L. T.		Feature bares		
Required time			Tabular correction		Stage of tide above MLW		
Interval			Stage of tide above MLW		Feature above MLW		

Computed by R. Blawett

Checked by US

Review Report
Planimetric Maps
T-10981 thru T-10988
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 charts and shoreline and horizontal control data for hydrographic surveys.

62. Comparison with Registered Topographic Surveys

T-5528	1:20,000	1934
T-5529	1:20,000	1934
T-5530	1:20,000	1934
T-3712	1:40,000	1918
T-3713	1:40,000	1918

Cultural and shoreline changes have been continuous. These maps are to supersede the above surveys of common area for nautical charting.

63. Comparison with Maps of Other Agencies

Bridgehead	1:24,000	1953
Daphne	1:24,000	1953
Point Clear	1:24,000	1956
Weeks Bay	1:62,500	1950

See Item 46.

64. Comparison with Contemporary Hydrographic Surveys

H-8562	1:10,000	1960
H-8574	1:10,000	1960
H-8588	1:10,000	1961
H-8635	1:10,000	1961
H-8636	1:10,000	1961
H-8592	1:10,000	1960

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

1266

1:50,000

1965

Differences exist; however, there are ^{none} to be applied immediately.

66. Adequacy of Results and Future Surveys

These surveys were prepared according to project instructions and are within the requirement for nautical charting.

Reviewed by

L.C. Lande

L.C. Lande

Charles Lerner

Chief, Photogrammetric Branch

Chief, Nautical Chart Division

L. J. Woodward

Chief, Photogrammetry Division