

10983

Original

10983

10983

Form 504	
U. S. DEPARTMENT OF COMMERCE	
COAST AND GEODETIC SURVEY	
DESCRIPTIVE REPORT	
Type of Survey	PLANIMETRIC
Field No.	Office No. T-10983
LOCALITY	
State	ALABAMA
General locality	MOBILE BAY
Locality	DAPHNE
1957 - 1961	
CHIEF OF PARTY	
Joseph K. Wilson, Chief, Field Party 720	
V. R. Sobieralski, Tampa District Officer	
LIBRARY & ARCHIVES	
DATE	

USCOMM-DC 5087

DESCRIPTIVE REPORT - DATA RECORD

T - 10983

Project No. (II): **PH-5704**

Quadrangle Name (IV):

Field Office (II): **Fairhope, Ala.**

Chief of Party: **Joseph K. Wilson**

Photogrammetric Office (III): **Tampa District Office**

Officer-in-Charge: **V.R. Sobiero / s.k. / ~~Arthur L. Goodwell~~**

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)

III 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)

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**

~~MSS~~ 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): **DAFNE 2, 1958**

Lat.: **30°36'07.477" (230.2 m)**

Long.: **87°54'16.570" (141.4 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.

PLANIMETRIC

Areas contoured by various personnel
(Show name within area)
(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. M. Reynolds**
Date: **June 1961**

Mean High Water Location (III) (State date and method of location): **Air Photo Compilation**
Date of photography: 19 and 20 November 1957

Projection and Grids ruled by (IV): **J.E.T. (Washington Office)**
Date: **Dec. 1959**

Projection and Grids checked by (IV): **R. D. Shoup (W.O.)**
Date: **Dec. 1959**

Control plotted by (III): **R. E. Smith**
Date: **Apr. 1960**

Control checked by (III): **V. P. Cackowski**
Date: **Apr. 1960**

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

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

Manuscript delineated by (III): **R. E. Smith**
Date: **May 1960**

of compilation
Photogrammetric Office Review by (III): **I. I. Saperstein**
Date: **July 1960**

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

DESCRIPTIVE REPORT - DATA RECORD

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

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PHOTOGRAPHS (III)

Number	Date	Time	Scale	Stage of Tide
56880	19 November 1957	15:48	1:10,000	+ 0.9
56881	"	15:48	"	"
56882	"	15:49	"	"
57018	20 November 1957	11:27	"	- 0.1
57019	"	11:27	"	"
57020	"	11:28	"	"
57021	"	11:28	"	"

Tide (III)
Predicted

Reference Station: **MOBILE, ALA.**
Subordinate Station: **Great Point Clear, Mobile, Ala.**
Subordinate Station:

Diurnal

Ratio of Ranges	Mean Range	Spring Range
	1.5	
	1.4	

Washington Office Review by (IV):

Date:

Final Drafting by (IV): **V.P. Gackowski (Tampa District Office)**
" " **Reviewed W. H. Shearouse** " " "

Date: **Dec. 1961**
Jan. 1962

Drafting verified for reproduction by (IV):

Date:

Proof Edit by (IV):

Date:

Land Area (Sq. Statute Miles) (III): **9**

Shoreline (More than 200 meters to opposite shore) (III): **4.5 linear miles**

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

Control Leveling - Miles (II):

Number of Triangulation Stations searched for (II): **19***

Recovered: **6**

Identified: **5**

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

Recovered: **0**

Identified: **0**

Number of Recoverable Photo Stations established (III): **2**

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

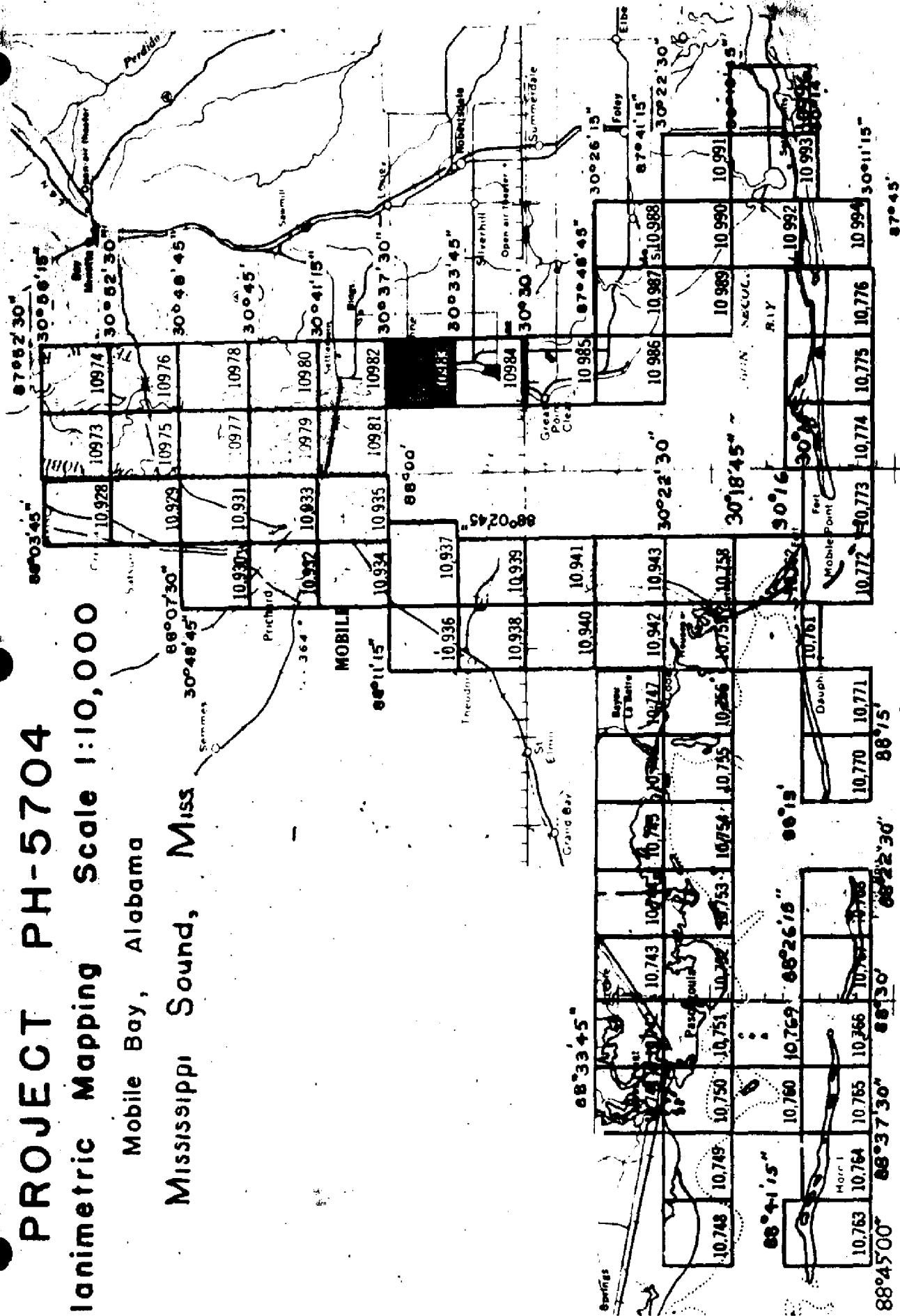
Remarks: *** No Form 152 or 525b submitted for DAPHNE MUNIC. W.T. 1960**

PROJECT PH-5704

Planimetric Mapping Scale 1:10,000

Mobile Bay, Alabama

Mississippi Sound, Miss



FIELD INSPECTION REPORT
Project Ph-5704
Map T-10983

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 REPORT

COAST AND GEODETIC SURVEY
CONTROL RECORD

MAP T. 10983

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)	
DAPHNE 2, 1958	GP's Pg 7	NA 1927	30	36	07.477			230.2		7198.8 April 1982
			87	54	16.570			441.4		
62 (AGS) 1937	Baldwin Co. Rampheer Pg 3	NA 1927	219	763	28	6	6984.0			7198.8 April 1982
			373	268	20	11	3772.4			
63 (AGS) 1937	"	"	219	788	58	6	6991.7			7198.8 April 1982
			376	579	80	11	4781.8			
64 (AGS) 1937	"	"	219	755	89	6	6981.7			7198.8 April 1982
			381	011	28	11	6132.5			
93 (AGS) 1936	"	"	211	507	78	6	4467.7			7198.8 April 1982
			373	269	86	11	3772.9			
101 (AGS) 1937	"	"	206	096	97	6	2818.5			7198.8 April 1982
			373	788	58	11	3931.0			
192 (AGS) 1936	"	"	210	992	34	6	4310.6			7198.8 April 1982
			372	723	58	11	3606.4			
222 (AGS) 1936	"	"	206	420	77	6	2917.2			7198.8 April 1982
			389	109	80	11	8600.9			
SMI-W (AGS) 1936	"	"	218	190	31	6	6504.5			7198.8 April 1982
			372	413	01	11	3511.7			
RAGGED, 1935	GP's Pg 58	"	30	35	10.761			331.4		7198.8 April 1982
			87	54	53.321			1420.6		
DAPHNE 2, R.M. 3	Comp	"	30	36	06.91			212.8		7198.8 April 1982
			87	54	17.21			458.5		
CLEAR 2, R.M. 3	"	"	30	28	58.98			1816.2		7198.8 April 1982
			87	56	12.104			321.1		

1 FT. = 3048006 METER

COMPUTED BY: 115

DATE 18 Dec 59

CHECKED BY: WWD

DATE Jan 11 60

COMM-DC-57843

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SCALE FACTOR

[illegible]

COMPILATION REPORT
T-10983

PHOTOGRAMMETRIC PLOT REPORT

Submitted with T-10928

31. DELINEATION

The photographs were clear and of fair scale. Roads and other details in the unusually hilly terrain were controlled by numerous detail points. The field inspection was adequate. Graphic methods were used in compiling this map. Numerous bluffs along the bay shore have not been shown because they are heavily wooded and believed to be of no landmark value to the navigator.

32. CONTROL

See photogrammetric plot report.

33. SUPPLEMENTAL DATA

None.

34. CONTOURS AND DRAINAGE

Inapplicable.

35. SHORELINE AND ALONGSHORE DETAILS

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

36. OFFSHORE DETAILS

None.

37. LANDMARKS AND AIDS

One landmark has been listed on Form 567 and was submitted to the Washington Office under date of 15 July 1960. There are no nonfloating aids.

38. CONTROL FOR FUTURE SURVEYS

Two monumented topographic stations were established. They are listed under Item 49 and Forms 524 are being submitted.

39. JUNCTIONS

A satisfactory junction has been made with T-10982 to the north and T-10984 to the south. There is no contemporary survey to the west. U. S. Geological Survey quadrangle SILVER HILL, scale 1:24,000, revised to 1953 lies to the east. Except for omission of 2 secondary woods roads from our map, the junction is in agreement. The photographs show these roads to be unused and of no further value as map features.

40. HORIZONTAL AND VERTICAL ACCURACY

No statement.

46. COMPARISON WITH EXISTING MAPS

A comparison has been made with U.S.G.S. quadrangle DAPHNE, ALA., scale 1:24,000 survey of 1939, revised 1953. Comparison was also made with Coast and Geodetic Planimetric Map T-5529, scale 1:20,000 compiled from aerial photographs of 1934. Differences found were those to be expected because of the passing of time or man-made changes.

47. COMPARISON WITH NAUTICAL CHARTS

A comparison has been made with Nautical Chart No. 1266, scale 1:80,000, 15th edition, corrected to 12 March 1960. Discrepancies noted were largely to be expected in the passing of time.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

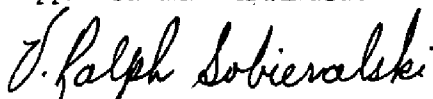
None.

ITEMS TO BE CARRIED FORWARD

None.


Rexford E. Smith Jr.
Carto Photo Aid

Approved and Forwarded:


V. Ralph Sobieralski
Tampa District Officer

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48. GEOGRAPHIC NAME LIST:

Geographic Names were taken from U.S. Geological Survey quadrangle DAPHNE, ALA. Nautical Chart 1266 and planimetric map T-5529, with additional names added by the field inspector. No conflicts were detected.

ALABAMA

BALDWIN CO. TRAINING SCHOOL ✓
BELFOREST ROAD

CAMPBELL SWAMP ✓
CONCORDIA SCHOOL ✓
CHRIST THE KING SCHOOL AND CHURCH

DAPHNE

EASTERN SHORE BLVD.

FRIENDSHIP CHURCH AND CEMETERY ✓

GREATER MONTROSE CHURCH

HOLY CROSS CHURCH ✓
HOLY CROSS SCHOOL ✓

JACKSON OAK

MOBILE BAY
MONTROSE

RAGGED POINT
RED BLUFF
RED GULLY
ROCK CREEK

ST. PAUL CHURCH ✓

U.S. 98

YANCEY BRANCH

✓ = OK for charting
but not true geog. names

All names checked
and approved

12-10-65

A. J. Wright

49. NOTES TO THE HYDROGRAPHER

The following is a list of recoverable topographic stations:

ABLE, 1959

CART, 1959

COMPILATION RECORD

COMPLETION DATE

REMARKS

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

FORM 182 (3-61)		PHOTOGRAMMETRIC OFFICE REVIEW T- 10983		U.S. DEPARTMENT OF COMMERCE COAST AND GEODETIC SURVEY	
50.		1. PROJECTION AND GRIDS WHS		2. TITLE WHS a. 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 IIS				
ALONGSHORE AREAS (Nautical Chart Data)	12. SHORELINE WHS	13. LOW-WATER LINE XX	14. ROCKS, SHOALS, ETC. XX	15. BRIDGES XX	
	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 XX		
	30. OTHER CULTURAL FEATURES WHS				
BOUNDARIES	31. BOUNDARY LINES WHS		32. PUBLIC LAND LINES XX		
MISCEL- LANEOUS	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 COMPILER <i>R. R. Wagner</i> R. R. Wagner			SIGNATURE OF SUPERVISOR <i>Milton M. Slavney</i> Milton M. Slavney		

USE REVERSE SIDE FOR REMARKS

USCOMM-DC 2633-1061

FIELD EDIT REPORT

Maps T-10983 thru T-10986

Project Ph-5704

51. METHODS

Field edit of the above manuscripts was limited to the areas immediately along the shoreline. The area was traversed by skiff running close to shore. The completeness of the compilation was checked and all additions or corrections have been noted.

One field edit sheet was used for each manuscript. All additions or corrections have been noted on the field edit sheet and cross-referenced to the field photographs. The additions consisted mainly of adding piers, which have been constructed since photography. All additions or corrections have been noted with violet ink on both the field edit sheet and the field photographs. The following field photographs were used during field edit; 56879, 56880, 56882, 57021, and 57022.

52. ADEQUACY OF COMPILATION

Measurements were taken to the mean high water line to check its delineation on the manuscripts. In most cases the delineation, as shown on the manuscript, is correct. The buildings, piers, etc., were checked visually and after application of the field edit information; the compilation will be adequate.

53. MAP ACCURACY

The area along the shoreline was checked and appears to be good.

54. RECOMMENDATIONS

None are offered.

55. EXAMINATION OF PROOF COPY

None of the people contacted during field edit were considered qualified to adequately read or correct a map. Therefore, none are recommended.

Submitted

William M. Reynolds
William M. Reynolds

Sub. Unit Photo Party 720

TIDE COMPUTATION

U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

PROJECT NO. Ph. 5704 T - 10983

Time and date of exposure 1548 - 19 Nov. 1957 ✓ Reference station MOBILE, ALA.Diurnal 1.4
Mean rangeDate of field inspection Sept. 1959 Subordinate station Great Point Clear, Mobile Bay Ratio of ranges ---

	Time		Height feet	Height x Ratio of ranges
	h.	m.		
High tide	22	03	0.1	1.4 ✓
Low tide	28	33	0.0	-0.2 ✓
Duration of rise or fall	13 30			1.6 ✓

	Time		High tide at Ref. Sta.	Time difference	Corrected time at Subordinate station
	h.	m.			
High tide at Ref. Sta.	22	03			
Time difference	-1	00			
Corrected time at Subordinate station	21	03			

	Time		Low tide at Ref. Sta.	Time difference	Corrected time at Subordinate station
	h.	m.			
Low tide at Ref. Sta.	28	33			
Time difference	-1	00			
Corrected time at Subordinate station	27	33			

	h.	m.	Ht. H. T. or L. T.	Tabular correction	Stage of tide above MLW	feet	Photo. No.
Time H. T. or L. T.	21	03	Ht. H. T. or L. T.		Feature bares		56881
Required time	15	48	Tabular correction		Stage of tide above MLW		
Interval	5	15	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		

COMM-DC-57848

Computed by P. E. SmithChecked by W. R. [Signature]

TIDE COMPUTATION

U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

PROJECT NO. PH. 5704T-10583

Time and date of exposure 11:28 - 20 Nov. 1957 Reference station MOBILE ALA

Diurnal 1.4
Mesotidal

Date of field inspection Sept. 1959 Subordinate station Great Point Clear, Mobile Bay

Ratio of ranges

	Time		Height feet	Height x Ratio of ranges	Time		Time h. m.
	h.	m.			h.	m.	
High tide	21	39	-0.1	1.5	22	39	9 12
Low tide	8	12	0.0	-0.4	-1	00	-1 00
Duration of rise or fall	13	27		1.9	21	39	8 12
			Range of tide				

	h.	m.	feet	feet	Photo. No.
Time H. T. or L. T.	8	12			57020
Required time	11	28	-0.4	Feature bares	
Interval	3	16	0.3	Stage of tide above MLW	
			-0.1	Feature above MLW	
Time H. T. or L. T.				Feature bares	
Required time				Stage of tide above MLW	
Interval				Feature above MLW	
Time H. T. or L. T.				Feature bares	
Required time				Stage of tide above MLW	
Interval				Feature above MLW	
Time H. T. or L. T.				Feature bares	
Required time				Stage of tide above MLW	
Interval				Feature above MLW	
Time H. T. or L. T.				Feature bares	
Required time				Stage of tide above MLW	
Interval				Feature above MLW	
Time H. T. or L. T.				Feature bares	
Required time				Stage of tide above MLW	
Interval				Feature above MLW	

COMM - DC - 57848

Computed by P.E. [Signature]

Checked by R. [Signature]

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

1:80,000

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 L. Lander
Chief, Photogrammetric Branch

Chief, Nautical Chart Division

L. F. Woodward
Chief, Photogrammetry Division