

10988

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Form 504	
U. S. DEPARTMENT OF COMMERCE	
COAST AND GEODETIC SURVEY	
DESCRIPTIVE REPORT	
Type of Survey	PLANIMETRIC
Field No.	Office No. T-10988
LOCALITY	
State	ALABAMA
General locality	MOBILE BAY
Locality	MAGNOLIA SPRINGS
<u>1957-1961</u>	
CHIEF OF PARTY	
Joseph K. Wilson, Chief, Photo Party 720	
William R. Kachel, Tampa District Office	
LIBRARY & ARCHIVES	
DATE	

DESCRIPTIVE REPORT - DATA RECORD

T - 10988

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 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 & 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 sea level~~ except as follows:

Elevations shown as (25) refer to mean high water

Elevations shown as (6) refer to sounding datum

i.e., mean low water or mean lower low water

Reference Station (III): 546 (Ala. Geod. Survey) 1938

Lat.:

Long.:

Adjusted

~~Unadjusted~~

Plane Coordinates (IV):

State: Alabama

Zone: West

Y= 139,964.79 Ft.

X= 411,622.85 Ft.

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

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

Inapplicable

DESCRIPTIVE REPORT - DATA RECORD

Field Inspection by (II): **W. M. Reynolds**
Matthew A. Stewart Date: **January 1960**

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: **20 Nov. 1957**

Projection and Grids ruled by (IV): **John H. Frazier (W.O.)** Date: **Feb. 1960**

Projection and Grids checked by (IV): **"** Date: **Feb. 1960**

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

Control checked by (III): **M. V. Carver** Date: **Apr. 1960**

Radial Plot of ~~Stereoscopic~~ **R. R. Wagner** Date: **July 1960**
~~Ortho extension~~ by (III):

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

Manuscript delineated by (III): **W. W. Dawsey** Date: **Aug. 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):

USC&GS Nine-lens

Number	Date	PHOTOGRAPHS (III)		Scale	Stage of Tide
		Time			
57055	20 Nov. 1957	1209		1:10,000	Insignificant
57056	"	1209		"	Too distant from
57076	"	1234		"	tide station for
57077	"	1234		"	purposeful compu-
57078	"	1235		"	tation
57096	"	Not available		"	
57097	"	Not available		"	

Tide (III)

Reference Station:
Subordinate Station:
Subordinate Station:

Ratio of Ranges	Mean Range	Spring Range

Washington Office Review by (IV):

Date:

Final Drafting by (IV): {Scribed L.L. Graves
Stickup C.C. Harris

Date: Feb. 1962
Mar. 1962

Drafting verified for reproduction by (IV):

Date:

Proof Edit by (IV):

Date:

Land Area (Sq. Statute Miles) (III): 15

Shoreline (More than 200 meters to opposite shore) (III): 11

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

Control Leveling - Miles (II): Inapplicable

Number of Triangulation Stations searched for (II): 21*

Recovered: 5**

Identified: 5**

Number of BMs searched for (II): None

Recovered: 0

Identified: 0

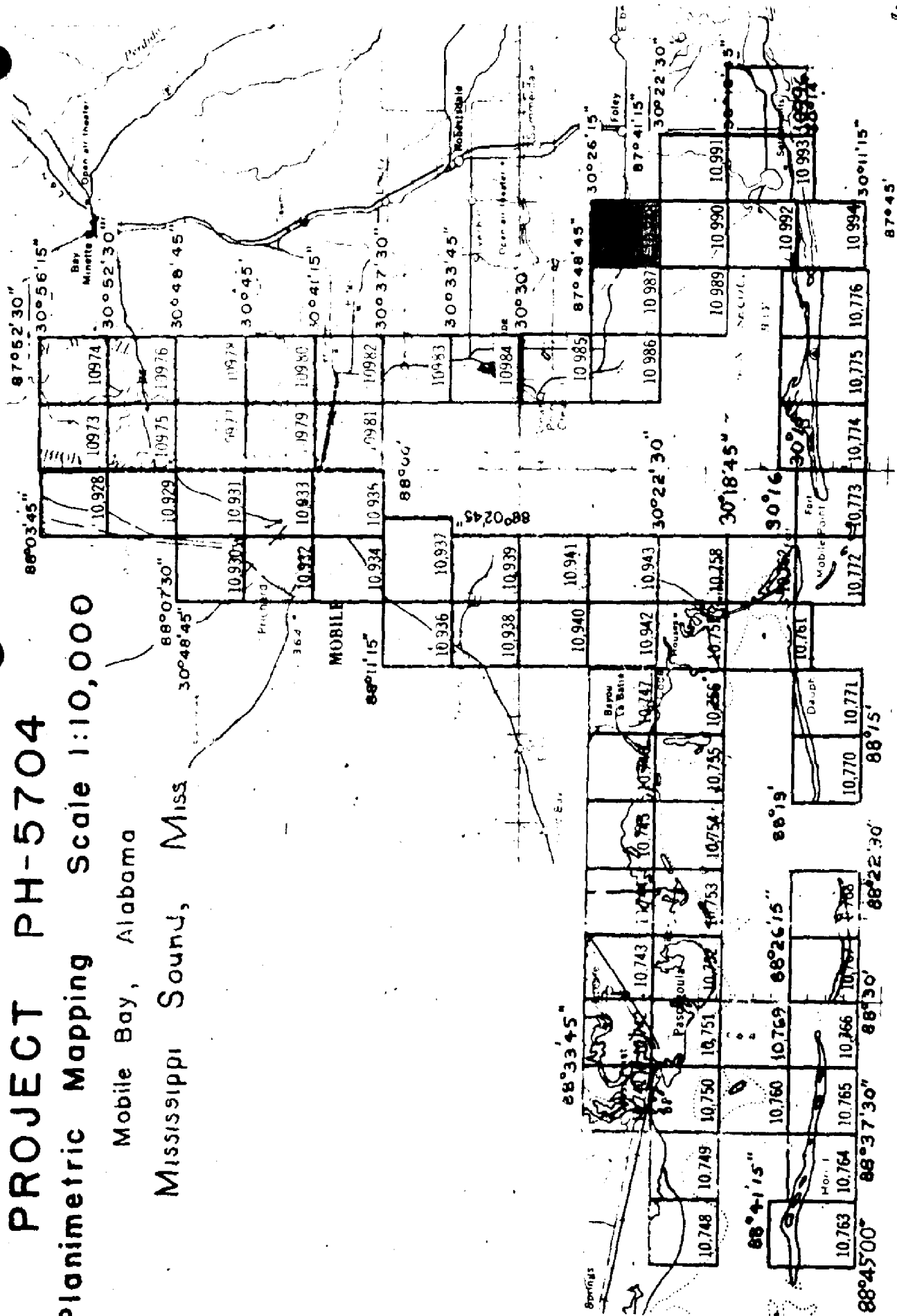
Number of Recoverable Photo Stations established (III): None

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

Remarks: *Includes 14 stations outside map limits
**Includes 4 stations outside map limits

Planimetric Mapping

Mississippi Sound, Miss



FIELD INSPECTION REPORT
 Maps T-10988, T-10989, T-10990
 PROJECT PH-5704

2. Areal Field Inspection.

These maps are located in Southwest Alabama, in Baldwin County, along the east side of Mobile Bay. The land area is low and has large areas consisting of marsh and swamp. The higher ground is devoted to farming with cattle and soy beans being the chief crops.

The area is served with a system of good federal, state and county highways.

Field inspection is believed complete and was performed on the following nine-lens photographs; 57038 through 57042, 57053 through 57056 and 57076 through 57078.

In some areas the photography was of poor quality. The images were not distinct and tones were not consistent. The difference in tones was especially noticeable in some swamp to tree areas. The inconsistent areas were closely inspected in the field and the correct limits have been indicated on the photographs.

3. Horizontal Control.

All control established by this bureau and Alabama Geodetic Survey was searched for and where recovered was identified to aid in control of the plot.

The following Alabama Geodetic Survey stations were searched for:

T-10988

98	242	693
99	243	694
103	544	707
104	545	708
105	546	SMI-G
106	547	SMI-H
107	548	

T-10989

550
551

T-10990

365

The stations were established as third-order by traverse.
 The following stations were reported lost:

T-10988

98	106	544	693
99	107	545	694
104	242	547	SMI-G
105	243	548	SMI-H
			FOLEY 1934

T-10989

550
551
WEEKS 1935

T-10990

365
CYPRESS 1935

Station 544 Alabama Geodetic Survey was reported lost but was identified. The reference measurements were made and the butt of a concrete post was found in the described location. This was identified as the station. RM 2 was identified in lieu of station FOLEY 1934.

4. Vertical Control.

The recovery or establishing of vertical control was not required for this planimetric project. There are no Tidal BM'S in these maps.

5. Contours and Drainage.

Contours are inapplicable.

Drainage not self-evident from the photographs has been indicated.

6. Woodland Cover.

Woodland cover was inspected and is adequately covered by the photographs. See Item 2, PP4.

7. Shoreline and Alongshore Features.

The mean high water line and apparent shoreline was inspected by skiff and walking along the beaches. It has been indicated by symbol on the photographs.

Low water line investigation was not required.

There is little or no foreshore.

There are no bluffs or cliffs.

All docks, wharves, piers and other features have been indicated on the photographs.

Shore ends of submarine cables have been indicated on the photographs.

Shoreline inspection has been indicated on the following nine-lens photographs; 57038 through 57042, 57055 through 57057 and 57078.

8. Offshore Features.

The only offshore features are the aids to navigation.

9. Landmarks and Aids.

Form 567 covering both of these features was submitted to Washington on 6 November 1959.

10. Boundaries, Monuments and Lines.

The entire area is in Baldwin County. A copy of the legal description for Baldwin County was submitted in a special report covering Parts 1 and 2 of Project PH-5704.

There are no incorporated towns within these maps.

11. Other Control.

Recoverable Topographic Station FIRE 1959 was established in map T-10989. Stations GOOD 1959 and HELP 1959 were established in map T-10990.

12. Other Interior Features.

Buildings and roads have been classified, on the photographs, in accordance with Photogrammetric Instructions number 54 and 56.

There were no requests for bridge measurements within these sheets.

There are no airports or landing fields.

13. Geographic Names.

A systematic investigation of names was not required. No discrepancies were encountered during field inspection.

14. Special Reports and Supplemental Data.

Special Report Boundaries, Project PH-5704, Alabama-Mississippi. This report was submitted to Washington on 2 March 1959. Letter of Transmittal #18, 19.

Submitted,

William M. Reynolds
William M. Reynolds
Acting Chief, Photo. Party 720

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

MAP T-10988 PROJECT NO. Ph-5704 SCALE OF MAP 1:10,000 SCALE FACTOR

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR ψ -COORDINATE LONGITUDE OR λ -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 FORWARD (BACK)	FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS FORWARD (BACK)
FOLEY RM 2 1934	Comp	N.A. 1927	30 24 22.745 87 43 19.021	700.4 507.7	E of sheet Plot S.P. only		
707 (AGS) 1941	Baldwin Co. Pg 23	"	166, 242.74 ✓ 415, 603.11 ✓	5 0670.9 12 6676.1	N of sheet Plot S.P. only		
544 (AGS) 1938	Pg 26	"	142, 617.73 ✓ 423, 710.48 ✓	4 3470.1 12 9147.2	E of sheet and destroyed Plot S.P. only		
103 (AGS) 1941	" Pg 23	"	159, 888.50 ✓ 415, 564.86 ✓	4 8734.1 12 6664.4	N of sheet Plot S.P. only		
104 (AGS) 1941	"	"	157, 253.98 ✓ 415, 595.53 ✓	4 7921.1 12 6673.8	LOST	RDPC 15 Apr 60 17m 91c	
105 (AGS) 1941	"	"	150, 572.04 ✓ 415, 579.35 ✓	4 5894.4 12 6668.9	LOST		
106 (AGS) 1941	"	"	147, 861.37 ✓ 415, 527.27 ✓	4 5068.2 12 6653.0	LOST		
107 (AGS) 1936	" Pg 14	"	147, 900.16 ✓ 417, 205.69 ✓	4 5080.1 12 7164.6	LOST		
546 (AGS) 1938	" Pg 26	"	139, 964.79 ✓ 411, 622.85 ✓	4 2666.4 12 5462.9			
548 (AGS) 1938	"	"	137, 748.04 ✓ 402, 379.68 ✓	4 1985.7 12 2645.6	LOST		

1 FT. = 3048006 METER
COMPUTED BY 115

DATE 2 Feb 1960

CHECKED BY: RRM

DATE 10 Feb 1960

COMM-DC-57843

COMPILATION REPORT T-10988

PHOTOGRAMMETRIC PLOT REPORT

Submitted as part of the Descriptive Report for T-10994.

31. DELINEATION

The graphic method was used. The photographs were generally of poor scale. The field inspection was adequate.

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. The inspection was satisfactory. There are no shoals. Low-water line was not recovered.

36. OFFSHORE DETAILS

None.

37. LANDMARKS AND AIDS

None.

Tampa District Office
P. O. Box 190 Tampa 1 Florida

10 October 1960

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

Subject: Drainage - PH-5704 MOBILE BAY

The greater portion of the drainage in subject project consists of narrow fingers of swamp (500-1500 Ft. wide) with a perennial stream meandering through the swamp. The field inspector has complied with project instructions by delineating this drainage on the field photographs. Due to the density of the swamp trees, it is impossible to see the stream beds except for occasional short stretches.

We have carefully examined all the streams under the stereoscope on various office photographs. Comparison with the U. S. Geological Survey quadrangles indicates their drainage delineation to be more accurate than our field party's delineation. (Reference copy of memorandum to Wilson attached). One sample area has been returned to the field party and our conclusions were verified for that one particular stream.

We do not believe the streams warrant the expense of the field party traversing them for accurate location, neither do we believe that they should be mapped unless their position is fairly accurate. It appears that this drainage has been delineated on the field photographs without an adequate check with U.S.G.S. quadrangles and/or actual field investigation even though considerable time was probably spent on this phase of the field work. Considerable time has also been spent studying these discrepancies in the office.

It is suggested that the field parties be informed of a definite policy on how much time should be spent on accurately locating drainage, omitting it entirely, or using P.D.U.

On this project, since the narrow fingers of swamp indicate the drainage pattern fairly well, and the streams can be identified only in short stretches, we are omitting them as a whole.

Survey T-10938 is being scribed and will be forwarded in approximately four (4) weeks. The foregoing discrepancies will be noted on various field photographs for your attention.

It is thought that bringing this matter to your attention might eliminate similar difficulties in future projects.

(signed) William R. Kachel
LCDR, C&GS
Tampa District Officer

WAR/o

38. CONTROL FOR FUTURE SURVEYS

None.

39. JUNCTIONS

Junctions have been made with T-10987 to the west and T-10990 to the south. There is no contemporary survey to the north or east.

40. HORIZONTAL AND VERTICAL ACCURACY

No statement.

46. COMPARISON WITH EXISTING MAPS

Comparison has been made with WEEKS BAY, ALABAMA AMS, scale 1:50,000, copied in 1954 from USGS Quadrangle of 1943, and the USC&GS planimetric map T-5528, scale 1:20,000. The comparison was favorable except for the changes due to the passage of time.

47. COMPARISON WITH NAUTICAL CHARTS

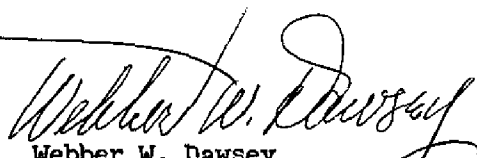
Comparison has been made with Nautical Chart No. 1266, scale 1:80,000, edition of 16 November 1959. The maps listed under item 46 were probably in part the source for this chart, and the same differences exist.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

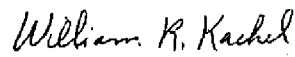
None.

ITEMS TO BE CARRIED FORWARD

None.


Webber W. Dawsey
Cartographer (Photogrammetry)

APPROVED AND FORWARDED


William R. Kachel
Tampa District Officer

48. GEOGRAPHIC NAME LIST

Geographic names were taken from nautical chart 1266 and U.S. Geological Survey quadrangle WEEKS BAY, ALABAMA. These sources were supplemented by field inspection photographs from which names of schools, churches and cemeteries were obtained.

ALABAMA

BALDWIN COUNTY

ESLAVA BRANCH

FISH RIVER

MAGNOLIA RIVER
MAGNOLIA SPRINGS

NOLTIE CREEK

PILGRIM CHURCH

SCHOOLHOUSE BRANCH
ST JOHNS CHURCH
ST PAULS CHURCH

U S 98

VERNANT PARK CHURCH

WEEKS CREEK
WEEKS SCHOOL

YUPON

Names checked
and approved
12 - 10 - 65
A. J. Wright

49. NOTES FOR THE HYDROGRAPHER

None.

50.

PHOTOGRAMMETRIC OFFICE REVIEW
OF ADVANCE COMPILATION MANUSCRIPT
T-10988

1. Projection and grids WHS 2. Title WHS 3. Manuscript numbers WHS 4. Manuscript size WHS

4a Classification label Unclassified

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) XX 7. Photo hydro stations XX 8. Bench marks XX 9. Plotting of sextant fixes XX 10. Photogrammetric plot reports 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 XX 18. Other alongshore physical features WHS 19. Other along-shore 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 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 WHS 38. Field inspection photographs WHS 39. Forms WHS

40. W.H. Shearouse
W. H. Shearouse Reviewer

M.M. Slavney
Supervisor, Review Section or Unit M.M. Slavney

41. Remarks (see attached sheet)

FIELD COMPLETION ADDITIONS AND CORRECTIONS TO THE MANUSCRIPT

42. Additions and corrections furnished by the field completion survey have been applied to the manuscript. The manuscript is now complete except as noted under item 43.

Field edit of alongshore details in June 1961 revealed no changes from the compilation.

Compiler

Supervisor

43. Remarks:

FIELD EDIT REPORT
Maps T-10987, T-10988, T-10989
Project Ph-5704

51. Methods.

Field edit was confined to the shorelines and the area immediately adjacent thereto. The shoreline was traversed by skiff running close to the beach. The features were compared with those indicated on the manuscript and all additions or corrections were noted. These additions or corrections have been noted on the field edit sheet or the field photographs. All field edit information has been indicated in violet. Deletions are in green. The field edit sheets and field photographs have been cross-referenced where applicable.

Field edit information has been indicated on a copy of each map manuscript and field photographs numbered 57037 and 57038.

52. Adequacy of Compilation.

The manuscript, along the shoreline, has been checked visually and will be adequate after application of field edit information.

53. Map Accuracy.

The horizontal accuracy of the manuscripts was not checked.

54. Recommendations.

None are offered.

55. Examination of Proof Copy.

The Geographic Names, in question, in map T-10989 were investigated. The name "Dorgans Landing" appears to be obsolete and is not recommended for charting. According to local information the name existed many years ago but in more recent years the area is being developed under the name "Sailor's Shores". This name is recommended for the area. The limits of the area covered by this name have been indicated on the discrepancy print.

The people contacted are as follows; H.E. Cooper, Box 425, Daphne, Alabama, resident of the area for 50 years, Claude Douglas, Plateau, Alabama, resident of the area for 40 years, Harold W. Graham, Registered Engineer, Route 2, Box 120, Fairhope, Alabama, resident of the area for 63 years, Claude W. Arnold, Registered Engineer, Fairhope, Alabama, resident for 30 years. The first two names are of people who own property in the locality. Mr. Graham and Mr. Arnold have done survey work in the area and seem very familiar with the names.

Mr. Graham and Mr. Arnold agreed to examine a proof copy of any map located in Baldwin County. Their addresses are listed above.

Submitted,

William M. Reynolds
William M. Reynolds

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	1:52,500	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 Lamm
Chief, Photogrammetric Branch

Chief, Nautical Chart Division

L. F. Woodcock
Chief, Photogrammetry Division