

T-10980

Original

T-10980

10980

Form 504	
U. S. DEPARTMENT OF COMMERCE	
COAST AND GEODETIC SURVEY	
DESCRIPTIVE REPORT	
Type of Survey	PLANIMETRIC
Field No.	Office No. T-10980
LOCALITY	
State	ALABAMA
General locality	BALDWIN COUNTY
Locality	BAY MINETTE
1957-1961	
CHIEF OF PARTY	
Joseph K. Wilson, Chief of Field Party	
V. R. Sobieralski, Tampa District Office	
LIBRARY & ARCHIVES	
DATE	

USCOMM-DC 5087

DESCRIPTIVE REPORT - DATA RECORD

T-10980

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

Quadrangle Name (IV):

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

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

Photogrammetric Office (III): **Tampa, Fla.**

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 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): **9/29/59**

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): **DIXON 1935**

Lat.: **30°44'42.473" (1308.0 m)**

Long.: **87°53'31.532" (838.7 m)**

Adjusted

Plane Coordinates (IV):

State: **Alabama**

Zone: **West**

Y= **271,198.87**

X= **376,824.02**

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

(1) (11)

Inapplicable

DESCRIPTIVE REPORT - DATA RECORD

Field Inspection by (II): **Joseph K. Wilson**
W. M. Reynolds
M. A. Stewart Date: **Sept. 1959**

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

Completion Surveys by (II): **W. V. Hull** Date: **June 1961**

Mean High Water Location (III) (State date and method of location): **Air photo compilation**
Date of photography: 19 and 20 Nov. 1957

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

Projection and Grids checked by (IV): **P. J. Dempsey (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 ~~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): **W. W. Dawsey** Date: **July 1960**

of compilation
Photogrammetric Office Review/by (III): **R. R. Wagner** Date: **Nov. 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	Date	PHOTOGRAPHS (III)		Scale	Stage of Tide
		Time			
56886	19 Nov. 1957	15:51		1:10,000	Tide could not be accurately computed because of the distance to a station.
56887	" "	15:52		"	
57014	20 Nov. 1957	11:24		"	
57015	" "	11:25		"	

Tide (III)

There is no tide station for this area.

Reference Station:
Subordinate Station:
Subordinate Station:

Ratio of Ranges	Mean Range	Spring Range

Washington Office Review by (IV):

Date:

Final Drafting by (IV): **W. W. Dawsey (Tampa District Office)**

Date: **Dec. 1961**

" " Reviewed: **Wm. H. Shearouse** " " "

Jan. 1962

Drafting verified for reproduction by (IV):

Date:

Proof Edit by (IV):

Date:

Land Area (Sq. Statute Miles) (III): **14**

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): **9**

Recovered: **3**

Identified: **2**

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

Recovered:

Identified:

Number of Recoverable Photo Stations established (III): **None**

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

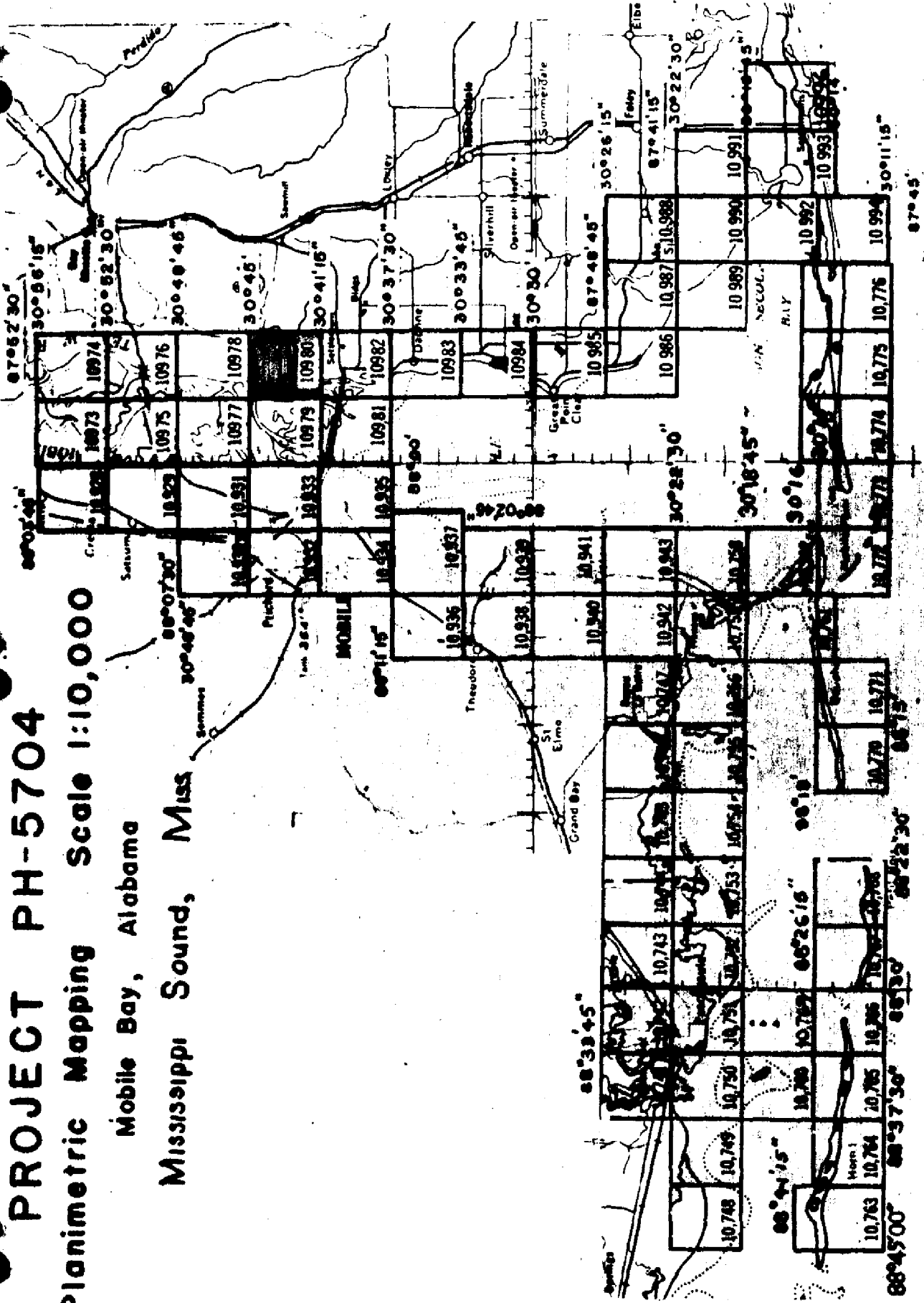
Remarks:

PROJECT PH-5704

Planimetric Mapping Scale 1:10,000

Mobile Bay, Alabama

Mississippi Sound, Miss



FIELD INSPECTION REPORT

Project Ph-5704

Maps T-10976 and T-10978
thru T-109802. AREAL FIELD INSPECTION

These maps are located in southwest Alabama, just north and east of the city of Mobile and entirely within the county of Baldwin.

The Tensaw River runs north-south through all of these maps with the exception of T-10980. The Blakely River runs north-south through map T-10980. The Louisville and Nashville Railroad crosses T-10976 in an east-west direction.

Map T-10979 is an area consisting of mostly marsh and swamp. The other maps are sparsely settled, wooded and hilly, and have only a few secondary roads.

The Mobile Reserve Fleet has anchored a number of their ships along the Tensaw River.

Field inspection was accomplished on the following nine-lens photographs: 56886 thru 56893, 56971 thru 56973 and 57007 thru 57015.

The 1957 nine-lens photographs were of fair quality. The field inspection is believed to be complete and all phases adequately indicated.

3. HORIZONTAL CONTROL

All Coast and Geodetic Survey and Alabama Geodetic Survey stations were searched for and reported on form 526. This includes a number of stations outside the limits of maps T-10976, T-10978 and T-10980.

The following stations have been reported as "destroyed", "lost", or "not recovered":

T-10976

NEW ORLEANS-ATLANTA AIRWAY BEACON No. 14, 1935

-329, Ala. Geod. S., 1936

-330, Ala. Geod. S., 1936

-331, Ala. Geod. S., 1936

-332, Ala. Geod. S., 1936

-598, Ala. Geod. S., 1939

634, Ala. Geod. S., 1940

635, Ala. Geod. S., 1940

T-10978

325, Ala. Geod. S., 1936

328, Ala. Geod. S., 1936

554, Ala. Geod. S., 1938

629, Ala. Geod. S., 1940

630, Ala. Geod. S., 1940

T-10979

NEW ORLEANS - ATLANTA AIRWAY BEACON No. 13, 1935

T-10980

255, Ala. Geod. S., 1936

256, Ala. Geod. S., 1936

301, Ala. Geod. S., 1936

302, Ala. Geod. S., 1936

303, Ala. Geod. S., 1936

304, Ala. Geod. S., 1936

One new flight line at 1:30,000 scale was flown in June 1959 with the Wild Camera. This new flight line will be used to run a stereoplanigraph bridge for strengthening the nine-lens plot. The field inspector has complied with the letter from Chief, Division of Photogrammetry to Joseph K. Wilson, dated 7 July 1959, 73/rrj. Stations affected by the single-lens photographs are: 327, Ala. Geod. S., 1936, 599, Ala. Geod. S., 1939, 633, Ala. Geod. S., 1940 and 636, Ala. Geod. S., 1940.

The identification of control generally met the requirements as furnished by the Washington Office on a Project Index.

The airway beacon in Map T-10979 is destroyed and we were unable to establish its old position from the remains of the foundation.

Station MINETTE, 1897 was not identified. It is located in a wooded section and would have been very difficult to select a suitable substitute point. We have identified two other stations nearby which are believed to be adequate.

The Resettlement Administration Mark, plotted on the Project Index, is in error.

There was no supplemental control established.

4. VERTICAL CONTROL

There are no tidal bench marks within the limits of these maps.

5. CONTOURS AND DRAINAGE

Contouring is inapplicable.

These sheets, with the exception of Map T-10979, have a definite system of drainage. The ground is hilly, sloping toward the Tensaw River. The drainage has been delineated throughout the limits of these maps.

6. WOODLAND COVER

The cover was classified in accordance with Project Instructions and the Topographic Manual. The field inspector has shown in its entirety all swamp and marsh limits.

7. SHORELINE AND ALONGSHORE FEATURES

The shoreline is mostly apparent. It has been indicated by symbols on the photographs.

No attempt was made to show the low-water line. There is little or no foreshore. There are considerable areas of snags and logs near shore which have been indicated as foul areas.

Shore ends of submarine and overhead cables have been indicated on the photographs. All docks, piers, etc. have been shown.

Shoreline inspection was accomplished on the following nine-lens photographs: 56886 thru 56893, 56971 thru 56973, 57007 thru 57009, 57011 and 57015.

8. OFFSHORE FEATURES

There were no offshore features noted.

9. LANDMARKS AND AIDS

There are no nautical landmarks or aeronautical aids.

Two privately maintained lights and a front and rear range daybeacon are shown on the photographs. Form 152 is submitted for the point on range.

Form 567 will be submitted at a later date.

10. BOUNDARIES, MONUMENTS AND LINES

There are no areas within the limits of these maps which require boundary limits. The building and property used by the Maritime Commission is not owned by the Government or State.

11. OTHER CONTROL

No monumented topographic stations were established.
Identification of photo-hydro stations was not required.

12. OTHER INTERIOR FEATURES

Roads and buildings have been classified on the photographs in accordance with Photogrammetric Instructions 54 and 56.

Submerged and overhead cables have been shown on the photographs in accordance with Project Instructions. There were no bridges clearances measured.

13. GEOGRAPHIC NAMES

A systematic investigation of Geographic names was not required. No name discrepancies were noted during field inspection and no new names are recommended.

14. SPECIAL REPORTS AND SUPPLEMENTAL DATA

Transmittal of Maps T-10973 thru T-10975 and T-10977 to Washington on 10 August 1959, Reference 3.

Letter to Joseph K. Wilson from Chief, Division of Photogrammetry dated 7 July 1959, 73/rrj.

Submitted:
23 September 1959

Joseph K. Wilson
Joseph K. Wilson
Chief of Party

SCALE OF MAP. 1:100000

1 FT. = 3048006 METER	DATE	CHECKED BY:	DATE	COMM. DC. 5784
CONDUCTED BY: R/P	Nov 3 '59	WUDD	Jan 18/60	

DATE *July 19 1951*

CHECKED BY: *WCD*

DATE Jan 18/60

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COMPILATION REPORT T-10980

PHOTOGRAMMETRIC PLOT REPORT

Submitted with T-10928.

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

Contours are inapplicable.

The drainage was delineated by the field inspector, but when some of the inspection was disproved by detail on other photographs, in swamp area, all the drainage that could not be seen was doubted. Only drainage identified by thorough stereoscopic examination has been shown on the manuscript. Please refer to the letter on DRAINAGE, PH-5704 to Chief, Photogrammetry Division from Tampa District Office.

35. SHORELINE AND ALONGSHORE DETAILS

The shoreline and alongshore details have been delineated according to field inspection notes, which were adequate. There are no low-water or shoal lines.

36. OFFSHORE DETAILS

None.

37. LANDMARKS AND AIDS

None.

38. CONTROL FOR FUTURE SURVEYS

None.

39. JUNCTIONS

Junctions have been made with T-10982 to the south, T-10979 to the west, and T-10978 to the north.

USGS Quadrangle STAPLETON ALA, scale 1:24,000 revised in 1953, joins on the east. Junctions of streams and roads between latitude 30°42' and 30°44.5' were not in agreement by as much as 2 mm. Delineation has been carried beyond the neat line for information of the Washington Office reviewer.

*Our delineation is accepted as being more correct
H.C.L.*

40. HORIZONTAL AND VERTICAL ACCURACY

No statement.

46. COMPARISON WITH EXISTING MAPS

Comparison was made with the USGS Quadrangle BRIDGEHEAD ALA, scale 1:24,000 revised to 1953. In general the agreement is satisfactory. However, near the eastern limits there are some discrepancies which are mentioned under Item 39.

Comparison was made with C&GS Air Photo Compilation T-5530 scale 1:20,000. Comparison of shoreline was favorable except for changes due to the passage of time.

47. COMPARISON WITH NAUTICAL CHARTS

Comparison has been made with Chart No 1266, scale 1:80,000, edition of 16 Nov. 1959 corrected to 23 July 1960. The comparison was generally good. The maps mentioned under Item 46 were probably the source, in the most part, for this chart.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None.

ITEMS TO BE CARRIED FORWARD

None.

W. W. Dawsey
W. W. Dawsey
Cartographer (Photo)

APPROVED AND FORWARDED

V. Ralph Sobieralski
V. Ralph Sobieralski
Chief of Party

48. GEOGRAPHIC NAME LIST

Nautical Chart 1266 and USGS Quadrangle BRIDGEHEAD were the sources for the geographic names.

ALABAMA

APALACHEE RIVER

BALDWIN COUNTY

BAY MINETTE

BAY MINETTE BASIN

BAY MINETTE CREEK

BAPTIZING BRANCH

BIG ISLAND

BLAKELEY

BLAKELEY BRANCH

BLAKELEY CEMETERY

BLAKELEY RIVER

BOGGY BRANCH

BUZBEE LANDING

CEDAR POINT

COLEMAN SPRING BRANCH

CYPRESS POINT

FICKLING BRANCH

FOOTLOG BRANCH

HAMMOCK BRANCH

JUSTINS BAY

KINGS BATTERY

LIVE OAK LANDING

MILITARY BRIDGE LANDING

MUDDY BRANCH

SIBLEY CREEK

SHAY BRANCH

SALUDA RIDGE

TENSAW RIVER

THE CUTOFF

THOMPSON SPRING BRANCH

WILKINS CREEK

YANCEY BAY

*Names checked & approved**12-10-65**A. J. Wraight*

49. NOTES FOR THE HYDROGRAPHER

None.

COMPILATION RECORD

COMPLETION DATE

REMARKS

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

FORM 182 (3-61)		PHOTOGRAMMETRIC OFFICE REVIEW T. 10980		U.S. DEPARTMENT OF COMMERCE COAST AND GEODETIC SURVEY	
1. PROJECTION AND GRIDS WBS		2. TITLE WBS Classification label unclassified		3. MANUSCRIPT NUMBERS WBS	4. MANUSCRIPT SIZE WBS
CONTROL STATIONS	5. HORIZONTAL CONTROL STATIONS OF THIRD-ORDER OR HIGHER ACCURACY RRW		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 REPORT MMS	
	11. DETAIL POINTS RRW				
ALONGSHORE AREAS (Nautical Chart Data)	12. SHORELINE WBS	13. LOW-WATER LINE XX	14. ROCKS, SHOALS, ETC. XX	15. BRIDGES WBS	
	16. AIDS TO NAVIGATION XX		17. LANDMARKS XX	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 XX		
	30. OTHER CULTURAL FEATURES WBS				
BOUNDARIES	31. BOUNDARY LINES XX		32. PUBLIC LAND LINES XX		
MISCEL- LANEOUS	33. GEOGRAPHIC NAMES WBS		34. JUNCTIONS WBS		
	35. LEGIBILITY OF THE MANUSCRIPT WBS	36. DISCREPANCY OVERLAY XX		37. DESCRIPTIVE REPORT MMS	
	38. FIELD INSPECTION PHOTOGRAPHS WBS		39. FORMS MMS		
	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		

Field Edit Report
(Shoreline)
Quadrangles T-10928, T-10973,
T-10974, T-10975, T-10976,
T-10977, T-10978, T-10981.

51. Methods

The shoreline was inspected by truck and skiff. The distance to the MHWL was spot checked at intervals from points of known location and found to be correct and adequate, except where noted on the ozalid copies of the map manuscripts and the photographs.

Corrections and additions to the manuscript have been noted on the field edit sheets in red and on the photographs in purple. Deletions are shown in green.

Field edit information has been shown on field edit sheets for T-10928, T-10973, T-10974, T-10975, T-10976, T-10977, T-10978, T-10981; on nine lens photographs 56891, 56893, 56948, 56950, 56954, 56959, 56971, 57012, 57013; nine lens office print 56959.

52. Adequacy of Compilation.

The map compilation appears complete and adequate with the exception to the corrections and additions as shown on the ozalid field edit sheets.

53. Map accuracy.

The accuracy of the map compilation appears to be complete and adequate.

54. Recommendations:

There are no recommendations.

55. Examination of Proof Copy.

No one was contacted to examine a proof copy of the map.

Submitted:

Wesley V. Hull

Wesley V. Hull

LTJG C&GS

Photo Hydro Support Unit 721

Review Report
Planimetric Maps
T-10973 thru T-10980
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 charting and shoreline and horizontal control data for hydrographic surveys.

62. Comparison with Registered Topographic Surveys

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

Cultural and shoreline changes have been continuous. These maps are to supersede the above surveys for common area for nautical charting. Also see Item 46.

63. Comparison with Maps of Other Agencies

Bay Minette	1:62,500	1941
Hurricane	1:24,000	1953
Bridgehead	1:24,000	1953

See Item 46.

64. Comparison with Contemporary Hydrographic Surveys

H-8588	1:10,000	1961
H-8589	1:10,000	1961
H-8590	1:10,000	1961
H-8591	1:10,000	1961

Shoreline and control of subject surveys was furnished prior to the hydrographic surveys and apparently no difference of importance exists.

65. Comparison with Nautical Charts

1266	1:80,000	1965
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Because of the scale difference only a visual comparison was made. No notable differences exist.

66. Adequacy of Results and Future Surveys

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

Reviewed by:

L. C. Lande
L. C. Lande

Approved by:

Charles L. Lanson
Chief, Photogrammetric Branch

Chief, Nautical Chart Division

L. F. Woodward
Chief, Photogrammetry Division