

**T-10978**

Original

**T-10978**

**T-10978**

Form 504	
U. S. DEPARTMENT OF COMMERCE	
COAST AND GEODETIC SURVEY	
DESCRIPTIVE REPORT	
Type of Survey <u>Planimetric</u>	
Field No. _____	Office No. <u>T-10978</u>
LOCALITY	
State <u>ALABAMA</u>	
General locality <u>MOBILE BAY</u>	
Locality <u>TENSAW RIVER - GRAVINE ISLAND</u>	
<u>1957 - 1961</u>	
CHIEF OF PARTY	
Joseph K. Wilson, Chief of Field Party	
V. R. Sobieralski, Tampa District Officer	
LIBRARY & ARCHIVES	
DATE _____	

USCOMM-DC 5087

DESCRIPTIVE REPORT - DATA RECORD

T - 10978

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 sea level~~ 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): BAGGETT 1935

Lat.: 30°47'39.534" (1217.4 m)

Long.: 87°52'38.621" (1026.8 m)

Adjusted  
~~Uncorrected~~

Plane Coordinates (IV):

State: Alabama

Zone: West

Y= 289,071.02

X= 381,501.56

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

Inapplicable

DESCRIPTIVE REPORT - DATA RECORD

Field Inspection by (II): **W. M. Reynolds**  
**Joseph K. Wilson**  
**Matthew A. Stewart**  
Date: **Aug-Sept. 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 Photographic Compilation**  
**Date of Photography: 19 & 20 Nov. 1957**

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

Projection and Grids checked by (IV): **P. J. Demsey (W.O.)**  
Date: **Nov. 1959**

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

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

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

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

Manuscript delineated by (III): **R. Dossett**  
Date: **Oct. 1960**

**of compilation**  
Photogrammetric Office Review/by (III): **R. R. Wagner**  
Date: **Nov. 1960**

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

DESCRIPTIVE REPORT - DATA RECORD

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

Number	Date	Time	Scale	Stage of Tide
56888	19 Nov. 1957	15:52	1:10,000	* Cannot be accurately computed. Too far from station.
56889	" "	15:53	"	
56890	" "	15:53	"	
57011	20 Nov. 1957	11:23	"	
57012	" "	11:24	"	
57013	" "	11:24	"	

Tide (III)  
\* see above

Reference Station:  
Subordinate Station:  
Subordinate Station:

Ratio of Ranges	Mean Range	Spring Range

Washington Office Review by (IV):

Date:

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

Date: **Dec. 1961**

" " Reviewed: **W. 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): **22 linear miles**

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

Control Leveling - Miles (II): **None**

Number of Triangulation Stations searched for (II): **11**

Recovered: **6**

Identified: **5**

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**

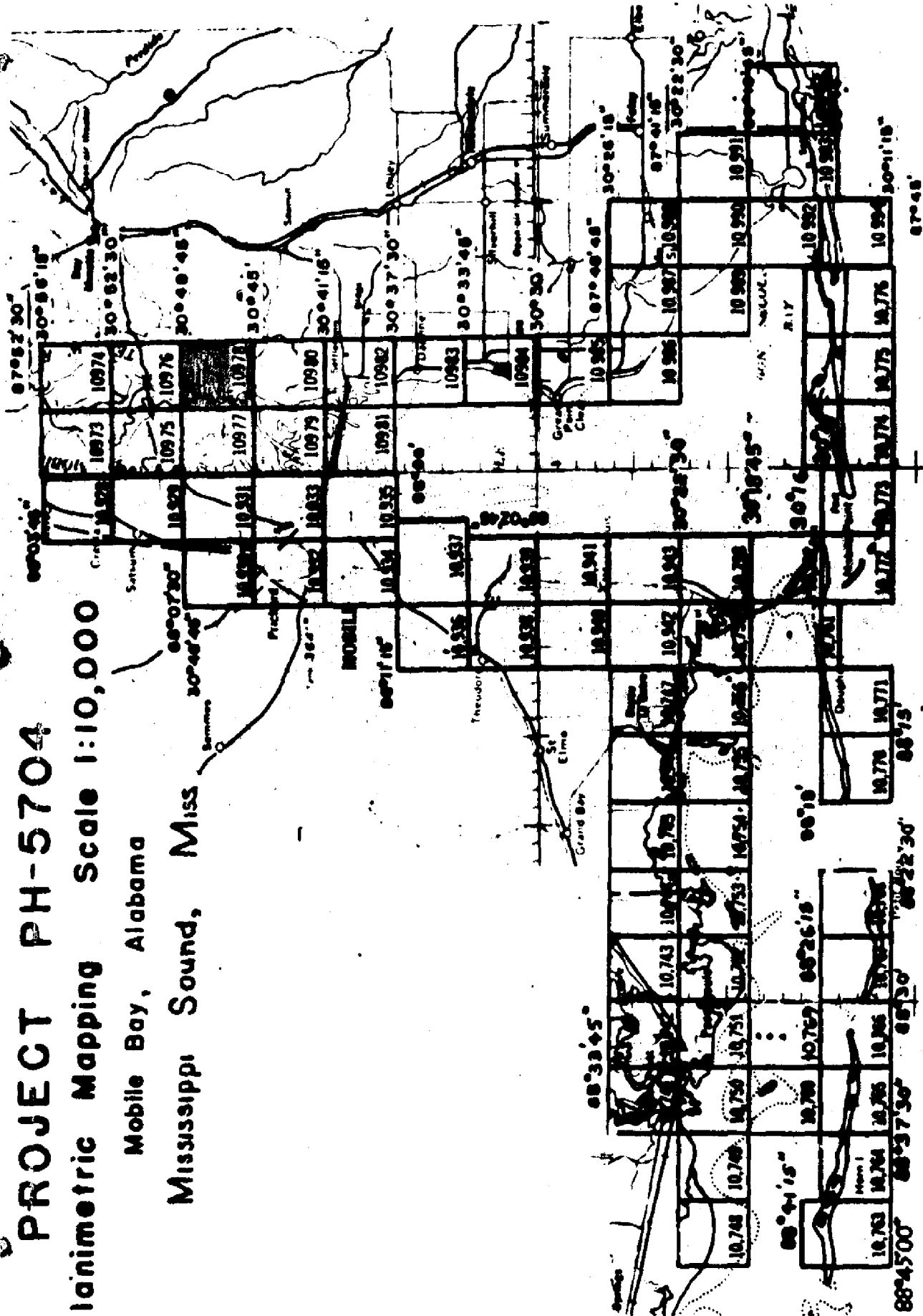
Remarks:

# PROJECT PH-5704

Planimetric Mapping Scale 1:10,000

Mobile Bay, Alabama

Mississippi Sound, Miss



Page 8

FIELD INSPECTION REPORT  
Project Ph-5704  
Map T-10978

Please refer to the Field Inspection Report for Map T-10980 for all data pertaining to this map.

Submitted:

SEP 23 1959

*Joseph K. Wilson*  
Joseph K. Wilson  
Chief, Photo Party 720



MAP T. 10978

PROJECT NO. 5704.....

SCALE OF MAP.....1:110

SCALE FACTOR

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR y-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)
BAGGETT 1935	County Pg. 29	N/A 1927	289,071.02 ✓ 381,501.56 ✓	8 ✓ 11 ✓	8109.0 ✓ 6281.9 ✓				M.P.C. 8 Apr 60	
631 (AGS) 1940	" Pg. 45	"	293,152.00 ✓ 376,489.89 ✓	8 ✓ 11 ✓	9352.9 ✓ 4754.3 ✓				" "	" "
555 (AGS) 1938	" Pg. 41	"	280,743.46 ✓ 386,406.22 ✓	8 ✓ 11 ✓	5570.8 ✓ 7776.8 ✓		Eof Sheet Plot S.R. only			
326 (AGS) 1936	" Pg. 30	"	281,371.29 ✓ 380,315.81 ✓	8 ✓ 11 ✓	5762.1 ✓ 5920.5 ✓				" "	" "
327 (AGS) 1936	" Pg. 29	"	294,890.11 ✓ 385,321.26 ✓	8 ✓ 11 ✓	9882.7 ✓ 7446.2 ✓		NE of sheet Plot S.R. only		" "	" "
629 (AGS) 1940	" Pg. 45	"	290,004.99 ✓ 377,273.52 ✓	8 ✓ 11 ✓	8393.7 ✓ 4993.2 ✓				" "	" "
630 (AGS) 1940	" Pg. 45	"	290,274.35 ✓ 377,101.80 ✓	8 ✓ 11 ✓	8475.8 ✓ 4940.9 ✓				" "	" "
632 (AGS) 1940	" Pg. 45	"	293,999.61 ✓ 376,695.29 ✓	8 ✓ 11 ✓	9605.1 ✓ 4817.0 ✓				" "	" "

1 FT. = .3048006 METER

COMPUTED BY:

DATE: \_\_\_\_\_

62

CHECKED BY:

2

DATE \_\_\_\_\_

COMM-DC-57843

1843



COMPILATION REPORT  
T-10978

PHOTOGRAMMETRIC PLOT REPORT

Submitted with T-10928.

31. DELINEATION

The graphic method was used.

The photographs were of poor scale and were tilted. Dense woods made selection of detail points difficult, particularly in the inshore swampy areas.

Field inspection was generally 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 details on other photographs in the swamp areas, all 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 Officer.

35. SHORELINE AND ALONGSHORE DETAILS

Delineated according to field inspection notes.

36. OFFSHORE DETAILS

None.

37. LANDMARKS AND AIDS

There are no landmarks. See Form 567 for non-floating aids forwarded to the Washington Office on 18 Oct. 1960.

## COMPILATION RECORD

## COMPLETION DATE

## REMARKS

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

38. CONTROL FOR FUTURE SURVEYS

None.

39. JUNCTIONS

A satisfactory junction has been secured with T-10977 on the west, T-10976 on the north and T-10980 on the south. There is no contemporary survey on the east.

40. HORIZONTAL AND VERTICAL ACCURACY

No statement required.

46. COMPARISON WITH EXISTING MAPS

Comparison has been made with U.S.G.S. topographic quadrangle \*HURRICANE, ALA., scale 1:24,000, compiled from aerial photographs and planetable survey in 1940, revised in 1953. The comparison is favorable excepting: the Civil War trenches shown on the quadrangle were not identified by the field inspector and could not be discerned in the office.

Comparison was also made with Air Photo Compilation T-5530, scale 1:20,000, photographs taken 18 July 1934. Comparison was favorable.

47. COMPARISON WITH NAUTICAL CHARTS


Comparison has been made with Nautical Chart No. 1266 edition of 16 Nov. 1959, scale 1:80,000. Comparison was favorable. The maps listed in Item 46 appear to be the sources of topography and the same differences will be found.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

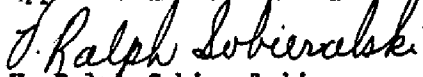
None.

ITEMS TO BE CARRIED FORWARD

None.

  
Rudolph Dossett  
Carto-Photo Aid

Approved and Forwarded:

  
V. Ralph Sobieralski  
Tampa District Officer

48. GEOGRAPHIC NAME LIST

The geographic names were taken from U.S.G.S. quadrangle "HURRICANE".

ALABAMA

BALDWIN COUNTY  
BAPTIZING BRANCH  
BIG BRIER CREEK  
BLUEFIELD BRANCH  
BYRNES LAKE

GRAVINE ISLAND

IRVINGS LAKE

MAGNOLIA CHURCH\*  
MCVOYS LAKE

RAFT RIVER

STEAM MILL LANDING  
STONY HILL

TENSAW RIVER

WESTVIEW CEMETERY\*  
WHITEHOUSE CREEK  
WILKINS CEMETERY

\*OK for shooting, but not  
from geop. names a.j.w

All names checked & approved,  
12-10-65  
A. J. Wright

49. NOTES FOR THE HYDROGRAPHER

None.

FORM 182 (3-61)		PHOTOGRAMMETRIC OFFICE REVIEW T. 10978		U.S. DEPARTMENT OF COMMERCE COAST AND GEODETIC SURVEY	
1. PROJECTION AND GRIDS WBS		2. TITLE WBS		3. MANUSCRIPT NUMBERS WBS	
		4a Classification label <u>unclassified</u>		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. WBS
	16. AIDS TO NAVIGATION WBS		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		
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 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 COMPLETER R. 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. Brown  
Chief, Photogrammetric Branch

Chief, Nautical Chart Division

L. J. Woodcock  
Chief, Photogrammetry Division