

T-10940**T-10940-1****T-10940**

Form 504	
U. S. DEPARTMENT OF COMMERCE	
COAST AND GEODETIC SURVEY	
DESCRIPTIVE REPORT	
Type of Survey	PLANIMETRIC
Field No.	Office No. T-10940
LOCALITY	
State	ALABAMA
General locality	MOBILE BAY
Locality	FOWL RIVER
1957 - 19 61	
CHIEF OF PARTY	
Joseph K. Wilson, Chief of Field Party	
V. Ralph Sobieralski, Tampa District Officer	
LIBRARY & ARCHIVES	
DATE	FEB 4 - 1966

DESCRIPTIVE REPORT - DATA RECORD

T - 10940

Project No. (II): PH-5704

Quadrangle Name (IV):

Field Office (II): Pascagoula, Miss.

Chief of Party: J. K. Wilson

Photogrammetric Office (III): Tampa District Office Officer-in-Charge: V. Ralph Sobieralski

Instructions dated (II) (~~1958~~ 23 June 1958 (Field)

Copy filed in Division of
Photogrammetry (IV)

10 February 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 Supl. 3)

Location of Aids to Navigation dated 7 October 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):

JUL 20 1961

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): Mc Adams 1935

Lat.: 30°29'07.301" (224.8m.) Long.: 88°10'09.330" (248.8m.)

Adjusted
= 224.8m. 248.8m.

Plane Coordinates (IV):

State: ALABAMA

Zone: WEST

Y= 177,133.43 Ft.

X= 289,188.61 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

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U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

PLANIMETRIC

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

Inapplicable

DESCRIPTIVE REPORT - DATA RECORD

Field Inspection by (II): J. K. Wilson
M. A. Stewart

Date: April 1959

Planetable contouring by (II): Inapplicable

Date:

Completion Surveys by (II): E. E. Brown

Date: March 1960

Mean High Water Location (III) (State date and method of location): Air photo compilation
Date of photographs: 19 November 1957

Projection and Grids ruled by (IV): P. J. Dempsey (W. O.)

Date: Aug. 1959

Projection and Grids checked by (IV): R. D. Shoup (W. O.)

Date: Aug. 1959

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

Date: Sept. 1959

Control checked by (III): R. R. Wagner

Date: Sept. 1959

Radial Plot ~~or Stereoscopic~~ Control-extension by (III): R. R. Wagner

Date: Jan. 1960

Stereoscopic Instrument compilation (III):
Planimetry
Contours

Date:

Inapplicable

Date:

Manuscript delineated by (III): E. T. Ogilby

Date: March 1960

of compilation
Photogrammetric Office Review/by (III): W. H. Shaarouse

Date: April 1960

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

Date:

DESCRIPTIVE REPORT - DATA RECORD

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

PHOTOGRAPHS (III)

Number	Date	Time	Scale	Stage of Tide
56786	19 Nov. 1957	1430	1:10,000	Inapplicable -
56787	"	1430	"	too far inland
56788	"	1431	"	for accurate
56855	"	1529	"	prediction
56856	"	1529	"	
56857	"	1530	"	

Tide (III)

Too far inland for accurate prediction

Reference Station:

Subordinate Station:

Subordinate Station:

Ratio of Ranges	Mean Range	Spring Range

Washington Office Review by (IV):

Date:

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

Date: **May 1961**

" " Reviewed by; **W. H. Shearouse (Tampa District Office)**

May 1961

Drafting verified for reproduction by (IV):

Date:

Proof Edit by (IV):

Date:

Land Area (Sq. Statute Miles) (III): **16**

Shoreline (~~More than 200 meters to opposite shore~~) (III): **7 lin. mi.**

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

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

Number of Triangulation Stations searched for (II): **9***

Recovered: **6**

Identified: **5**

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

Recovered:

Identified:

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

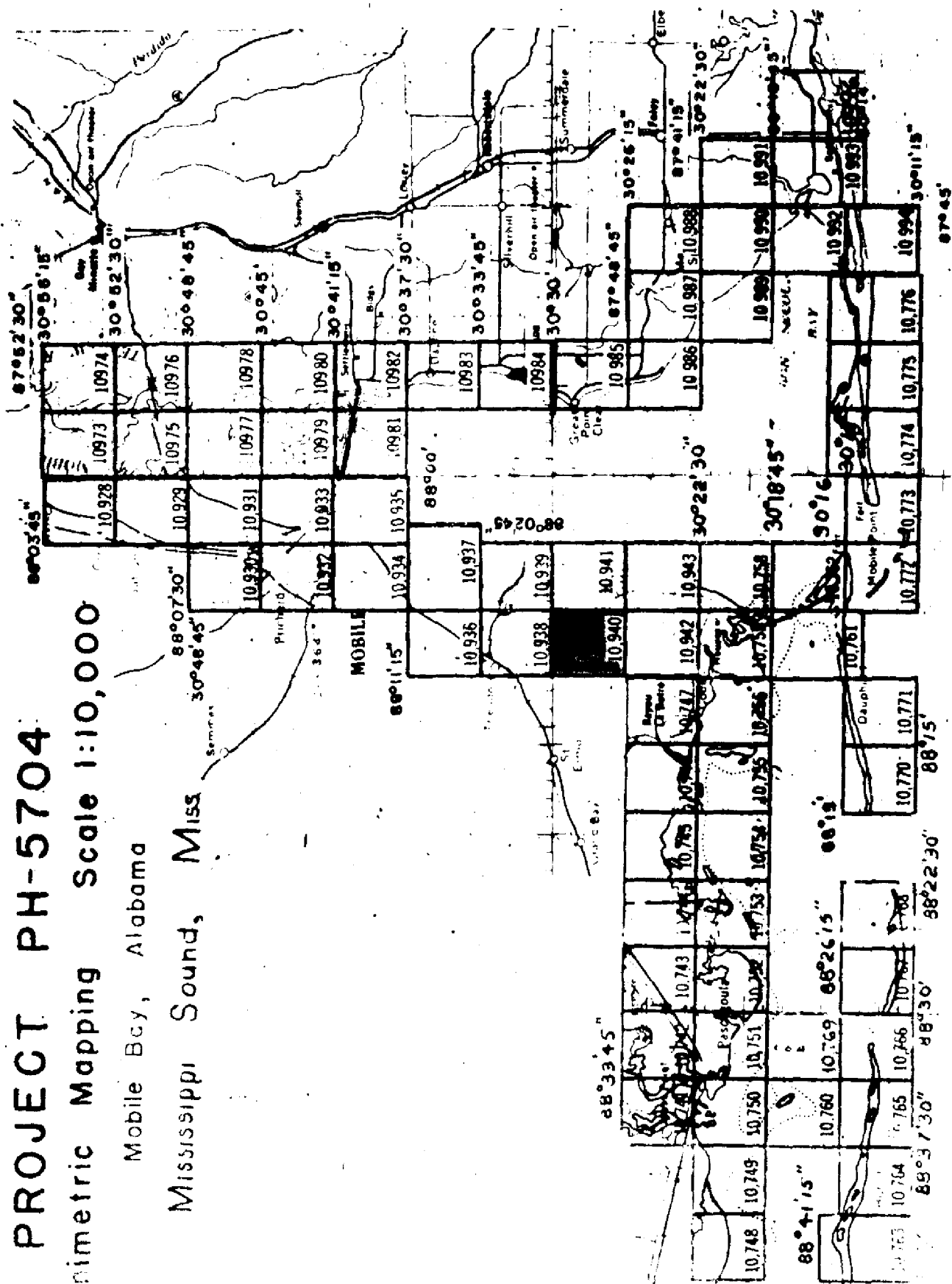
Number of Temporary Photo Hydro Stations established (III): **None**

Remarks:

*** Includes 3 stations west of project limit**

Geometric Mapping Scale 1:10,000

Mississippi Sound, Miss



FIELD INSPECTION REPORT
Project Ph - 5704
Map T-10940

Please refer to the Field Inspection Report for Map T-10943 for all data pertaining to this map.

Submitted:

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

U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY
DESCRIPTIVE REPORT
CONTROL RECORDMAP T. 10940 PROJECT NO. DA-5704 SCALE OF MAP 1"=10,000 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 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)
331-5 (AGS) 1940	AGR page 48	N.A. 1927	$y=181,540.14$ ft $x=296,858.14$ ft	55333.5 ✓ 84386.5 ✓		W of sheet Do not plot	✓ VPC 23 Sept PPW 54
334-2 (AGS) 1940	"	"	$y=169,630.70$ ft $x=297,496.25$ ft	51703.5 ✓ 90677.0 ✓			
331-3 (AGS) 1940	"	"	$y=180,424.36$ ft $x=281,324.04$ ft	54993.5 ✓ 85947.7 ✓		W of sheet Do not plot	"
331-2 (AGS) 1940	"	"	$y=180,487.66$ ft $x=282,764.73$ ft	55012.7 ✓ 86186.9 ✓		W of sheet Do not plot	
302-3 (AGS) 1940	AGS page 34	"	$y=181,667.96$ ft $x=289,101.37$ ft	55372.5 ✓ 88118.2 ✓			✓ "
Mc ADAMS 1935	"	"	177,133.43 ✓ 389,188.61 ✓	53990.4 ✓ 8144.9 ✓			✓ "
334-3 (AGS)	pg 48	"	169,568.64 ✓ 298,939.15 ✓	51684.6 ✓ 91116.8 ✓			✓ "
334-1 (AGS) 1940	"	"	168,754.11 291,697.68	51456.4 ✓ 88907.6 ✓			
304-2 (AGS)	934	"	162				

1 FT. = 3048006 METER
COMPUTED BY: RES

DATE

17 Sept 59

CHECKED BY:

11/5

DATE

18 Sept 59

COMM-DC-57643

COMPILATION REPORT T-10940PHOTOGRAMMETRIC PLOT REPORT

Submitted with T-10928.

31. DELINEATION

The graphic method was used. The field inspection appears to be satisfactory excepting the drainage problem discussed in item 34. The photographs were satisfactory, and single-lens infragon "L" series photographs were furnished to assist in the interpretation of the shoreline.

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, which proved to be "sketched" in the dense swamps. In a number of places throughout the project this sketching was found to be in error, which cast doubt on all such streams. Therefore, only the drainage positively identified by thorough stereoscopic examination has been shown on the map manuscript. Please refer to a letter dated 10 October 1960 on Drainage, Ph-5704, to Chief, Photogrammetry Division from Tampa District Officer, a copy of which is enclosed herewith.

35. SHORELINE AND ALONGSHORE DETAILS

The shoreline and alongshore detail was indicated on the photographs by the field inspector. The field inspection was satisfactory. There were no shoals or mean low-water line indicated. Grass in water was taken from the inspection.

36. OFFSHORE DETAILS

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
LCUR, C&GS
Tampa District Officer

WAR/o

37. LANDMARKS AND AIDS

None.

38. CONTROL FOR FUTURE SURVEYS

None

39. JUNCTIONS

Junctions were made with T-10941 to the east; T-10942 to the south; T-10938 to the north. This map lies within the northeast quarter of the U. S. G. S. CODEN, ALABAMA quadrangle, which was published under date of 1956 at a scale of 1:24,000. Junction of major details are in very good agreement.

40. HORIZONTAL AND VERTICAL ACCURACY

No statement.

46. COMPARISON WITH EXISTING MAPS

Comparison was made with USC&GS Air Photo Copilations T-5532 and T-5533, scale 1:20,000, dated 1934. Differences noted were to be expected due to the passage of time. Comparison was also made with the U. S. G. S. CODEN, ALABAMA quadrangle, which was published under date of 1956 at a scale of 1:24,000. Map details are in very good agreement as to interpretation of culture and vegetation and placement of roads and streams.

47. COMPARISON WITH NAUTICAL CHARTS

was made
Comparison with C&GS chart 1266, scale 1:80,000, dated January 1961 and corrected to 11 February 1961. The chart and map compare favorably. One change worthy of note is the abandonment of the railroad running north/south through the area. Parts of this old railroad bed are now utilized as a highway. This map manuscript should supersede the presently charted land details.

11.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None.

ITEMS TO BE CARRIED FORWARD

None.

W. M. Harvey
for E. T. Ogilby
Cartographer (Photo.)

APPROVED AND FORWARDED

V. Ralph Sobieralski
V. Ralph Sobieralski
Tampa District Officer

48. GEOGRAPHIC NAME LIST

Geographic names were taken from the U.S.G.S. CODEN, ALABAMA
(1956) quadrangle map.

ALABAMA

BAUMHAUER ROAD

DYKES CREEK

\ EAST FOWL RIVER CHURCH

FOWL RIVER (Settlement)

FOWL RIVER

FOWL RIVER ROAD

LAURENDINE

LAURENDINE ROAD

MUDDY CREEK

SOUTH ORCHARD

\ ST MARGARETS CHURCH

STATE 59

\ ZION CHURCH

Names checked &
approved

12-10-65

A. J. Wright

49. NOTES FOR THE HYDROGRAPHER

None.

50.

PHOTOGRAMMETRIC OFFICE REVIEW OF ADVANCE MANUSCRIPT

T-10940

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

CONTROL STATIONS

(a. Classification label) Unclassified

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 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 XX 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 WHS 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

40. William H. Shearouse
Wm. H. Shearouse

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.

for William A. Casare
R. R. Wagner
Compiler

M. M. Slavney
M. M. Slavney
Supervisor

43. Remarks:

Field Edit Report
(Shoreline)
Map T-10938, T-10939, T-10940 & T-10941
Project Ph-5704

51. Methods

The shoreline was inspected by truck, skiff, and walking along the beach. The distance to the MML was spot checked at intervals from points of known location and found to be correct and adequate, except where noted on enclosed calid copies of the map manuscripts.

Calid copies of T-10939 and T-10941 are enclosed with this report. Corrections and additions are shown in red ink and deletions in green on the calid prints.

52. Adequacy of Compilation

The map compilation appears complete and adequate.

53. Map Accuracy

The shoreline of the maps is accurate, except for the changes since photography, as shown on the field edit calids.

54. Recommendations

There are no recommendations.

55. Examination of Proof Copy

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

Submitted: 21 March 1961

Ernest E. Brown, EMS, CAGS
Photo-Hydro Support Unit 721

NOTES TO THE WASHINGTON OFFICE REVIEWER

A large number of buildings and short roads noted by the field inspector were omitted. It is our belief that this is in accordance with current instructions. (Please refer to Photogrammetry Instructions No. 54 regarding buildings and the letter of 10 June 1960 from the Chief, Photogrammetry Division regarding short roads.) The field editor was requested to make further investigation and has verified our interpretation.

Tampa

Review Report
Planimetric Maps
T-10936 thru T-10943
December 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-3712	1:40,000	1918
T-3713	1:40,000	1918
T-3716	1:10,000	1919
T-5532	1:20,000	1934
T-5533	1:20,000	1934

There are cultural and shoreline changes due to the differences in time interval. T-19036 thru T-10943 are to supersede the above surveys of common area.

63. Comparison with Maps of Other Agencies

Theodore	1:24,000	1953
Mollingers	1:24,000	1953
Coden	1:24,000	1956
Bellefontaine	1:24,000	1956

See Item 46.

64. Comparison with Contemporary Hydrographic Surveys

H-8573	1:10,000	1961
H-8575	1:10,000	1961
H-8561	1:10,000	1961
H-8587	1:10,000	1961

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
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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 maps comply with the National Map Accuracy Standards and meet Bureau requirements.

Reviewed by:

L.C. Lande
L.C. Lande

Approved by:

Charles H. Henson
Chief, Photogrammetric Branch

Chief, Nautical Chart Division

L. F. Woodward
Chief, Photogrammetry Division