10660

Original

10660

Diag. Cht. No. 77-6.

Form 504

U. S. DEPARTMENT OF COMMERCE

COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT

Type of Survey Planimetric

Field No. Ph-161 *Office No.* T-10660

LOCALITY

State Maryland

General locality Potomac River

Locality St. James

1955-1958

CHIEF OF PARTY

James P. Randall, Chief of Party
W. E. Randall, Baltimore District Officer

LIBRARY & ARCHIVES

DATE

USCOMM-DC 5087

DESCRIPTIVE REPORT - DATA RECORD

T-10660

Project No. (II): Ph-161 Quadrangle Name (IV):

Field Office (II): Leonardtown, Maryland Chief of Party: James P. Randall

Photogrammetric Office (III): Baltimore, Maryland Officer-in-Charge: William E. Randall

Instructions dated (II) (III): 16 September 1957, 73/rab
Ltr. from Ch., Photo. Div., 23 July 1958, 73/rrj

Copy filed in Division of Photogrammetry (IV)

Method of Compilation (III): Kelsh Plotter

Manuscript Scale (III): 1:10,000

Stereoscopic Plotting Instrument Scale (III): 1:6,000
(Pantograph ratio 3/5)

Scale Factor (III): 1.000

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):

~~Mean sea level except as follows~~: M.H.W.
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): NORRIS 1942

Lat.: 38° 11' 51.397" (1,584.7 m) Long.: 76° 23' 40.877" (994.7 m) Adjusted
~~Unadjusted~~

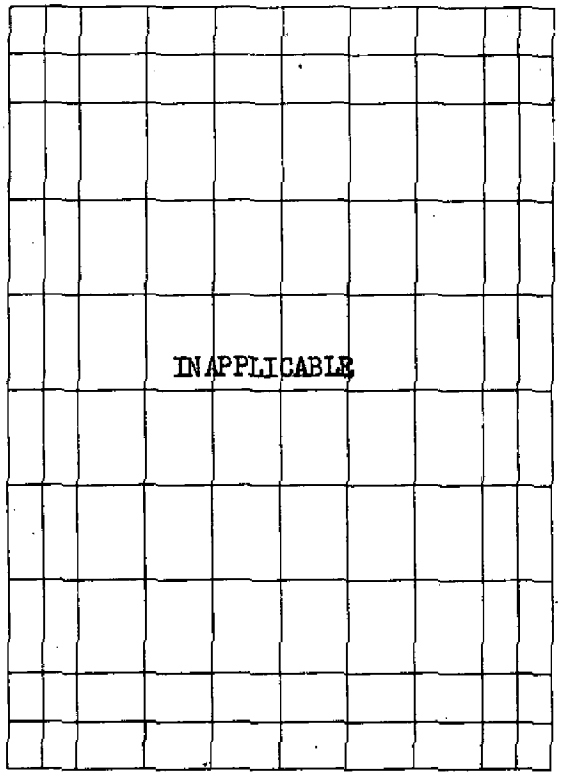
Plane Coordinates (IV): State: Zone:

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.

DESCRIPTIVE REPORT - DATA RECORD



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

DESCRIPTIVE REPORT - DATA RECORD

Field Inspection by (II): James P. Randall, Robert S. Tibbetts, Matthew A. Stewart — Date: June thru September 1958

Planetable contouring by (II): Inapplicable. — Date:

Completion Surveys by (II): — Date:

Mean High Water Location (III) (State date and method of location): 1955 (Photogrammetric - Kelsh Plotter) Supplemented by 1958 photography.

Projection and Grids ruled by (IV): P. J. Dempsey — Date: 11/20/58

Projection and Grids checked by (IV): R. D. Shoup — Date: 11/21/58

Control plotted by (III): D. M. Brant — Date: 6/5/59

Control checked by (III): J. C. Richter — Date: 6/5/59

~~Radial Plotter~~ Stereoscopic Control extension by (III): Willard Kuncis — Date: May 1959

Stereoscopic Instrument compilation (III): Planimetry D. M. Brant — Date: 8/30/60

~~Contours~~ — Date:

Manuscript ~~delineated~~ scribed by (III): J. C. Cregan — Date: 4/24/61

Photogrammetric Office Review by (III): E. L. Rolle — Date: 12/15/60

Elevations on Manuscript checked by (II) (III): — Date:

DESCRIPTIVE REPORT - DATA RECORD

Camera (kind or source) (III): C&GS "W" and "S" cameras, 6" local length.
C&GS Nine-lens camera

PHOTOGRAPHS (III)

Number	Date	Time (EST)	Scale	Stage of Tide
55-W-2370	11/12/55	13:15	1:30,000	1.5'
55-W-2372 & 2373				
58-S-7512 & 7513	1/5/58	13:02	1:40,000	1.5'
52186	11/12/55	11:16		1.5'

Tide (III)
(From Predicted Tables)

		Ratio of Ranges	Mean Range	Spring Range
Reference Station:	Washington, D. C.		2.9'	3.3'
* Subordinate Station:	St. Mary's City, Maryland	0.52	1.5'	1.7'
Subordinate Station:				

Washington Office Review by (IV): Date:

Final Drafting by (IV): Date:

Drafting verified for reproduction by (IV): Date:

Proof Edit by (IV): Date:

Land Area (Sq. Statute Miles) (III): 12
Shoreline (More than 200 meters to opposite shore) (III): 6 statute miles
Shoreline (Less than 200 meters to opposite shore) (III): none.
Control Leveling - Miles (II):
Number of Triangulation Stations searched for (II): 6 Recovered: 5 Identified: 5
Number of BMs searched for (II): Recovered: Identified:
Number of Recoverable Photo Stations established (III): None
Number of Temporary Photo Hydro Stations established (III): None

Remarks:

* The difference in the stage of tide is negligible, using Point No Point, Maryland, as the subordinate station.

FORM 164
(4-23-54)

U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT
CONTROL RECORD

MAP T-10660 PROJECT NO. Ph-161 SCALE OF MAP 1:10,000 SCALE FACTOR 1.000

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)
FORD, 1908	Form 725 d	N.A. 1927	147,388.16 974,520.44				
BEND, 1908	Md. p. 105	"	132,353.89 963,804.61				
NORRIS, 1942	Md. p. 110	"	133,238.10 973,966.27				
COLLISON, 1942	"	"	155,351.49 962,126.54				
FORD 1908 Sub. Sta.	Comp.	"	147,381.22 974,462.86				
NORRIS 1942 Sub. Sta.	"	"	133,564.38 973,913.62				
REED RM (MSFC) 1956	Md. p. 298	"	135,545.96 980,122.93				
SS REED RM (MSFC) 1956	Comp.	"	135,393.53 980,171.57				
ST. MARYS CITY WATER TANK, 1942	Md. p. 111	"	129,550.73 962,572.68				
Sub. Sta. REED RM (MSFC) 1956	Comp.	"	135,392.53 980,171.57				
Sub. Sta. No. 1 COLLISON, 1942	"	"	155,383.68 962,083.18				
Sub. Sta. No. 2 COLLISON 1942	"	"	155,299.82 962,160.82				

1 FT. = .3048006 METER

COMPUTED BY: J. Steinberg DATE 11/26/58

CHECKED BY: H. P. Eichert DATE 12/9/58

COMM-DC-57843

COMPILATION REPORT
Project Ph-161
T-10660

The field report and photogrammetric plot report are bound with the Descriptive Report for T-10651.

31. DELINEATION

The Kelsh Plotter (with 1955 photography) was used for delineation. The 1958 photography was used to supplement small changes in planimetry such as roads, drainage and tree lines.

Field inspection of interior drainage was incomplete for this manuscript. Refer to paragraph 34 for discussion.

32. CONTROL

The identification, density and placement of horizontal control was adequate.

33. SUPPLEMENTAL DATA

A.M.S. St. Marys City, Maryland.

a. Geographic names standard, dated 19 June 1959.
b. Drainage transferred to manuscript by vertical projector.

Topographic Utility and Property Survey of St. Mary's Seminary Jr. College, Saint Mary's City, Maryland by James D. Hicks (Registered Surveyor), dated 27 September 1949.

a. Boundary for St. Mary's Seminary Jr. College.

34. CONTOURS AND DRAINAGE

Contours - inapplicable.

The field inspection for interior drainage was incomplete for this manuscript. Considering that practically all drainage was obscured by heavy trees and since a positive photo-interpretation could not be accomplished, the drainage from the A.M.S. St. Mary's City, Maryland sheet (based on Bureau Survey T-8138, 1943) was accepted. In areas where positive photo-interpretation was possible it was accepted over the existing survey. Also, some small branches were considered intermittent and have been omitted in order to have a more consistent drainage pattern throughout the project.

The office examination of the photographs reveals that there is swamp along the streams as was field inspected on the south shore of the project. Because of heavy trees, a positive identification of the swamp limits was not possible and, therefore, swamp limits have not been shown from office interpretation.

35. SHORELINE AND ALONGSHORE DETAILS

Shoreline inspection was adequate. There were no shoal lines or low water lines inspected or delineated.

36. OFFSHORE DETAILS

None.

37. LANDMARKS AND AIDS

One landmark was established. Form 567 was submitted in March 1960. A copy is filed with the Descriptive Report for T-10672.

38. CONTROL FOR FUTURE SURVEYS

None.

An incomplete copy of this survey showing the shoreline along with a set of ratio photographs with passpoints was prepared and submitted for the use of the Hydrographic Party.

39. JUNCTIONS

Junction was made with T-10667 and T-11288 (Ph-101) to the south and T-10659 to the west. There are no contemporary surveys to the north and east.

40. HORIZONTAL AND VERTICAL ACCURACY

No comment.

41. BOUNDARIES

The boundary for St. Mary's Seminary Jr. College, St. Mary's City, Maryland was compiled from data from the Topographic Utility and Property Survey dated 27 September 1949.

42. through 45.

Inapplicable.

46. COMPARISON WITH EXISTING MAPS

Comparison was made with A.M.S. Sheet 5760 III N. W., St. Mary's City, Maryland, scale 1:25,000, revised 1946, 3rd edition 1950 and A.M.S. sheets 5760 III N. E., Point No Point, Maryland, scale 1:25,000, revised 1946, 3rd edition 1950. These maps are based on Bureau Survey T-8138 (1943).

47. COMPARISON WITH NAUTICAL CHARTS

Comparison was made with chart No. 557, Potomac River, scale 1:40,000 7th edition, dated November 7, 1960, corrected to November 12, 1960.

Items to be applied to nautical charts: Immediately: None.

Items to be carried forward: None.

Respectfully submitted

Donald M. Brant

Donald M. Brant
Carto. (Photo.)

Approved and forwarded

William E. Randall

William E. Randall
CDR, C&GS
Baltimore District Officer

FORM 182
(6-12-56)

U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

PHOTOGRAMMETRIC OFFICE REVIEW

T-10660

1. Projection and grids ✓ 2. Title ✓ 3. Manuscript numbers ✓ 4. Manuscript size ✓
4a. Classification Ltr. ✓

CONTROL STATIONS

5. Horizontal control stations of third-order or higher accuracy ✓ 6. Recoverable horizontal stations of less than third-order accuracy (topographic stations) ✓ 7. Photo hydro stations ✓ 8. Bench marks X
9. Plotting of sextant fixes X 10. Photogrammetric plot report ✓ 11. Detail points ✓

ALONGSHORE AREAS

(Nautical Chart Data)

12. Shoreline ✓ 13. Low-water line ✓ 14. Rocks, shoals, etc. ✓ 15. Bridges X 16. Aids to navigation X 17. Landmarks ✓ 18. Other alongshore physical features ✓ 19. Other alongshore cultural features ✓

PHYSICAL FEATURES

20. Water features ✓ 21. Natural ground cover ✓ 22. Planetable contours X 23. Stereoscopic instrument contours X 24. Contours in general X 25. Spot elevations X 26. Other physical features ✓

CULTURAL FEATURES

27. Roads ✓ 28. Buildings ✓ 29. Railroads X 30. Other cultural features ✓

BOUNDARIES

31. Boundary lines ✓ 32. Public land lines X

MISCELLANEOUS

33. Geographic names ✓ 34. Junctions ✓ 35. Legibility of the manuscript ✓ 36. Discrepancy overlay X 37. Descriptive Report ✓ 38. Field inspection photographs ✓ 39. Forms ✓
40. Edward L. Rolle (Reviewer) Henry Fischer (Supervisor, Review Section or Unit)

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.

Compiler _____ Supervisor _____

43. Remarks:

COMM-DC 34529

48. Geographic Names:

Beaverdam Creek
Biscue Pond

Chesapeake Bay
Church Point

Eastern Branch

Fisherman Creek

Hermanville
Horseshoe Bend

Page Pond
Park Hall

St. James
St. Marys City

Tippitt Pond
Turkey Neck
Turkey Neck Creek

Wherritts Pond
Wise Marsh

Yellow Banks

Geographic Names Section
20 March 1963

REVIEW REPORT
OF PLANIMETRIC MAPS
T-10658 thru T-10660, T-10665 thru T-10667,
T-10672 and T-10673

April 1963

61. General Statement

These are eight (8) planimetric maps of project PH-161, Lower Potomac River, Md. and Va. These maps were prepared to furnish shoreline and control for hydrographic surveys and base maps for nautical charting.

62. Comparison with Registered Topographic Surveys

T-8137	1:20,000	1943
T-8138	1:20,000	1943
T-8139	1:20,000	1943
T-8147	1:20,000	1943

These surveys agree with subject manuscripts as well as could be expected under consideration of the time interval. Only minor differences exist between the surveys of 1943 and subject manuscripts and are to supersede above listed registered surveys of common area and detailing for nautical charting purposes.

63. Comparison with Maps of Other Agencies

Piney Point, Md.	1:24,000	U.S.G.S.	1943
St. Marys City, Md.	1:24,000	U.S.G.S.	1943
St. George Island, Md.	1:24,000	U.S.G.S.	1943

There are minor cultural and shoreline differences but in general the agreement is good.

64. Comparison with Contemporary Hydrographic Surveys

H-8547	1:10,000	1960
H-8548	1:10,000	1960
H-8550	1:10,000	1960

Shoreline and control of subject surveys was furnished prior to hydrography and as no changes of importance have been made there is good agreement.

65. Comparison with Nautical Charts

558 1:40,000 Nov. 1962

There are only minor differences between the chart and the manuscripts.

66. Adequacy of Results and Future Surveys

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

Submitted by:

L. C. Lands

Approved by:

Chief, Cartographic Branch

Chief, Nautical Charts Division

Chief, Photogrammetry Division

Chief, Operations Division

FORM C&GS-8352
(3-25-63)

NAUTICAL CHART DIVISION

RECORD OF APPLICATION TO CHARTS

FILE WITH DESCRIPTIVE REPORT OF SURVEY NO. T-10660

INSTRUCTIONS

A basic hydrographic or topographic survey supersedes all information of like nature on the uncorrected chart.
1. Letter all information.
2. In "Remarks" column cross out words that do not apply.
3. Give reasons for deviations, if any, from recommendations made under "Comparison with Charts" in the Review.

CHART	DATE	CARTOGRAPHER	REMARKS
557	9/4/63	J.H. EATON	~~Full~~ Part ~~Before~~ After Verification Review Inspection Signed Via
			Drawing No. Shoreline superseded by RS sheets - Postpone inshore Topo until Recon.
101-SC	10/23/63	L. Van Zant	~~Full~~ Part Before After Verification Review Inspection Signed Via
			Drawing No. ~~Smaller~~ CHT 557
12283	6/25/91	D. BLACK	Full ~~Part Before~~ After Verification Review Inspection Signed Via
			Drawing No. 45 EXAM, NO FURTHER COLL
			Full Part Before After Verification Review Inspection Signed Via
			Drawing No.
			Full Part Before After Verification Review Inspection Signed Via
			Drawing No.
			Full Part Before After Verification Review Inspection Signed Via
			Drawing No.
			Full Part Before After Verification Review Inspection Signed Via
			Drawing No.
			Full Part Before After Verification Review Inspection Signed Via
			Drawing No.
			Full Part Before After Verification Review Inspection Signed Via
			Drawing No.

FORM C&GS-8352 SUPERSEDES ALL EDITIONS OF FORM C&GS-975.

USCOMM-DC 8558-P63