

10671

original

77-6 & 78-4



Diag. Cht. Nos. 77-6 and 78-4.

Form 504	
U. S. DEPARTMENT OF COMMERCE	
COAST AND GEODETIC SURVEY	
DESCRIPTIVE REPORT	
Type of Survey	Planimetric
Field No. Ph-161	Office No. T-10671
LOCALITY	
State	Maryland
General locality	Potomac River
Locality	Westmoreland
<u>19 55 55-1958</u>	
CHIEF OF PARTY	
Joseph K. Wilson, Chief of Party	
William E. Randall, Baltimore District Office	
LIBRARY & ARCHIVES	
DATE	

USCOMM-DC 5087

10671

DESCRIPTIVE REPORT - DATA RECORD

T-10671

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T

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

Field Office (II): Callao, Virginia

Chief of Party: Joseph K. Wilson

Photogrammetric Office (III):

Officer-in-Charge: William E. Randall

Instructions dated (II) (III): 9/16/57, 73/rab
Directors letter, dated 12/6/57, 73/rab
" " " 5/5/58, 732/rrj
Ch. Photo. Div. " " 7/23/58, 73/rrj
Asst. Director's " " 5/15/59, 73/rab

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):

JUL 3 - 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):

~~Mean sea level except as follows:~~ MHW
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): CAREY 1934

(Survey No. T-10759)

Lat.: 38° 03' 32.819" (1011.9 m)

Long.: 76° 37' 25.428" (619.9 m)

Adjusted
UNCLASSIFIED

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

U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

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Inapplicable

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

DESCRIPTIVE REPORT - DATA RECORD

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Field inspection by (II): Joseph K. Wilson

Date: Sept. 1957 thru
June 1958

Planetable contouring by (II):

Date:

Completion Surveys by (II):

Date:

Mean High Water Location (III) (State date and method of location):

11 November 1955 (Photogrammetric)

Supplemented by 1958 photography

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

Date: 11/1/58

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

Date: 11/12/58

Control plotted by (III): Inapplicable

Date:

Control checked by (III): Inapplicable

Date:

~~Stereoscopic~~ or Stereoscopic
Control extension by (III):

G. M. Ball

Date: 9/10/58

E. L. Rolle (Kelsh Model Bridge)

5/15/59

Stereoscopic Instrument compilation (III):

Planimetry (E. L. Rolle N/2
J. C. Richter S/2)

Date: 6/5/59

Contours

Date:

Manuscript ^{scribed}
~~delineated~~ by (III):

C. A. Lipscomb

Date: 1/9/61

Photogrammetric Office Review by (III): J. C. Richter

Date: 7/21/60

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

Date:

DESCRIPTIVE REPORT - DATA RECORD

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Camera (kind or source) (III): USC&GS "W", 6" focal length

Number	Date	PHOTOGRAPHS (III)		Scale	Stage of Tide
		Time (Est)			
55-W-2275 & 76	11/11/55	13:12		1:30,000	1.1' above MLW

Tide (III) (from predicted tables)

Reference Station: Washington, D. C.
Subordinate Station: Lynch Point, Virginia
Subordinate Station:

Ratio of Ranges	Mean Range	Spring Range
	2.9'	3.3'
0.52	1.5'	1.8'

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): 2
Shoreline (More than 200 meters to opposite shore) (III): 2.5
Shoreline (Less than 200 meters to opposite shore) (III): 0
Control Leveling - Miles (II):
Number of Triangulation Stations searched for (II): None
Number of BMs searched for (II):
Number of Recoverable Photo Stations established (III): 2
Number of Temporary Photo Hydro Stations established (III):

Recovered:
Recovered:

Identified:
Identified:

Remarks:

COMPILATION REPORT
Survey Ph-161
T-10671

The field report and photogrammetric plot report for this survey are part of the Descriptive Report for survey T-10661. See report for survey T-10670 for Kelsh model templet bridge.

31. DELINEATION

The Kelsh Plotter was used for delineation.

32. CONTROL

Horizontal control was inadequate. A Kelsh model bridge was set to establish additional control so that individual models could be set.

33. SUPPLEMENTAL DATA

Geographic names standard dated 6/19/59.

34. CONTOURS AND DRAINAGE

Contours: Inapplicable.
Drainage is complete.

35. SHORELINE AND ALONGSHORE DETAILS

All shoreline compiled from adequate field inspection.

No low water or shoal lines were shown.

36. OFFSHORE DETAILS

No unusual problems were encountered while compiling offshore details.

37. LANDMARKS AND AIDS

No landmarks or aids were submitted.

38. CONTROL FOR FUTURE SURVEYS

The following two topographic stations were established:

GABLE, 1958

ANTENNA, 1958

An incomplete copy of this survey was furnished along with a set of ratio prints prepared with shoreline passpoints for the use of the hydrographic party.

39. JUNCTIONS

The following junctions have been made:

To the north with survey No. T-10665.

To the south with survey No. T-10674.

To the west with survey No. T-10670.

To the east with survey No. T-10672.

40. HORIZONTAL AND VERTICAL ACCURACY

Covered in Kelsh Plot Report

41. BOUNDARIES

The Maryland-Virginia Boundary Line has been omitted. Refer to Amendment to Project Instructions dated 5/15/59.

46. COMPARISON WITH EXISTING MAPS

AMS sheet 5660 II SE Yeocomico, Va.-Md., scale 1:25,000, revised in 1946, 3rd edition dated 1949. (This is based on Bureau Survey T-8146).

47. COMPARISON WITH NAUTICAL CHARTS

Chart No. 557, scale 1:40,000, 6th edition, 8/10/46, corrected to 7/2/60.

Items to be applied to nautical charts immediately: None.

Items to be carried forward: None.

Respectfully submitted

20 July 1960

Edward L. Rolle

Edward L. Rolle
Carto. (Photo.)

Approved and forwarded

William E. Randall

William E. Randall

CDR, C&GS

Baltimore District Officer

PHOTOGRAMMETRIC OFFICE REVIEW

T. 10671

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

CONTROL STATIONS

4a. Classification label JCR

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

ALONGSHORE AREAS

(Nautical Chart Data)

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

PHYSICAL FEATURES

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

CULTURAL FEATURES

27. Roads JCR 28. Buildings JCR 29. Railroads 30. Other cultural features JCR

BOUNDARIES

31. Boundary lines JCR 32. Public land lines

MISCELLANEOUS

33. Geographic names JCR 34. Junctions JCR 35. Legibility of the manuscript JCR 36. Discrepancy overlay JCR 37. Descriptive Report JCR 38. Field inspection photographs JCR 39. Forms JCR 40. John C. Richter Henry Richter

Reviewer

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:

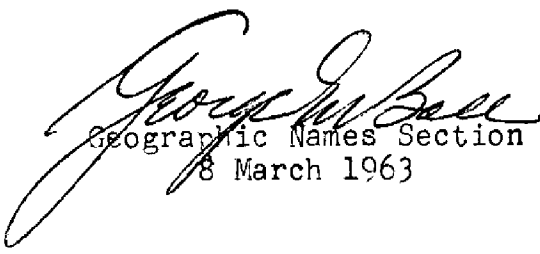
T-10671

48. Geographic Names:

Potomac River

Sandy Point
Sandy Point Neck

Westmoreland


Geographic Names Section
8 March 1963

REVIEW REPORT
OF PLANIMETRIC MAPS

T-10670, T-10671, T-10674, T-10675 and T-10739

March 1963

61. General Statement

These are five (5) planimetric maps of Project PH-161 Lower Potomac River. 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-8146	1:20,000	1943
T-8357	1:20,000	1944

Cultural and shoreline changes have been continuous. These map manuscripts are to supersede the above listed surveys for common area for nautical charting.

63. Comparison with Maps of Other Agencies

Lottsburg, Va.	1:24,000	U.S.G.S.	1944
Yeoconico, Va.	1:24,000	U.S.G.S.	1943

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

64. Comparison with Contemporary Hydrographic Surveys

H-8549	1:10,000	1960
H-8550	1:10,000	1960

Shoreline and control for the hydrographic surveys was furnished prior to hydrography and there is good agreement except Lynch Point (T-10674) has moved offshore approximately 100 meters.

65. Comparison with Nautical Charts

557	1:40,000	Oct. 1962
558	1:40,000	Nov. 1962

There are no differences of importance between the charts and the subject manuscripts.

66. Adequacy of Results and Future Surveys

These surveys are considered to be sub-standard due to the lack of desired horizontal control. See "Photogrammetric Plot Report page 7 of Descriptive Report for T-10670. However, it is believed, they are of sufficient accuracy for nautical charting at scales of 1:20,000 or smaller.

Submitted by:

L. C. Rande

L. C. Rande

Approved by:

Charles H. Hemen
Chief, Cartographic Br.

Louise G. Taylor
Chief, Nautical Chart Div.

J. C. Waugh 5/23/64
Chief, Photogrammetry Div.

Horace G. Conerly
Chief, Operations Division

