

10658

Original



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-10658
LOCALITY	
State	Maryland
General locality	Potomac River
Locality	Valley Lee
<u>1955-1958</u>	
CHIEF OF PARTY	
James P. Randall, Chief of Party	
W. E. Randall, Baltimore District Officer	
LIBRARY & ARCHIVES	
DATE	

USCOMM-DC 5087

10658

DESCRIPTIVE REPORT - DATA RECORD

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T - 10658

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: W. E. Randall

Instructions dated (II) (III): 9/16/57, 73/rab
Ltr. from Ch. Photo. Div., 7/23/58, 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):

NOV 1 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): CAFFEE, 1919

Lat.: 38° 12' 19.585" (603.9 m) Long.: 76° 34' 38.959" (947.9 m)

Adjusted
~~578.42~~

Plane Coordinates (IV): Lambert

State: Maryland

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): James P. Randall
Robert S. Tibbetts
Mathew A. Stewart
Date: June 1958 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): November 12, 1955. Supplemented
by photography of June 14, 1958 (Photogrammetric)

Projection and Grids ruled by (IV): P. J. Dempsey
Date: 11/17/58

Projection and Grids checked by (IV): R. D. Shoup
Date: 11/19/58

Control plotted by (III): D. M. Brant
Date: 3/12/60

Control checked by (III): H. P. Eichert
Date: 3/12/60

~~Radial Plot~~ Stereoscopic Control extension by (III): W. A. Kuncis
Date: 2/25/60

Stereoscopic Instrument compilation (III): Planimetry J. D. McEvoy
D. M. Brant)
Contours
Date: 4/22/60
Date:

scribed
Manuscript ~~dictated~~ by (III): J. C. Cregan
Date: 7/11/61

Photogrammetric Office Review by (III): E. L. Williams
Date: 9/15/60

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

DESCRIPTIVE REPORT - DATA RECORD

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Camera (kind or source) (III): C&GS Types "W" and "S" cameras, 6" focal length.

PHOTOGRAPHS (III)				
Number	Date	Time (EST)	Scale	Stage of Tide
55-W-2269	11/11/55	1305	1:30,000	No tidal waters
55-W-2270	"	1306	"	1.3' above MLW
55-W-2271	"	1307	"	1.3' " "
55-W-2396	11/12/55	1355	"	1.2' " "
58-S-4965	6/14/58	1510	1:40,000	0.6' " "
58-S-4966	"	1511	"	0.6' " "
58-S-7516	1/5/58	1304	"	No tidal waters
58-S-7517	"	1305	"	" " "

Tide (III)
(from Predicted Tables)

Reference Station: Washington, D. C.
Subordinate Station: Piney Point, Maryland
Subordinate Station:

Ratio of Ranges	Mean Range	Spring Range
	2.9'	3.3'
	1.6'	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): 16
Shoreline (More than 200 meters to opposite shore) (III): 1
Shoreline (Less than 200 meters to opposite shore) (III): 2
Control Leveling - Miles (II):
Number of Triangulation Stations searched for (II): 1 Recovered: 0 Identified: 0
Number of BMs searched for (II): None Recovered: Identified:
Number of Recoverable Photo Stations established (III): 1
Number of Temporary Photo Hydro Stations established (III): None.

Remarks:

COMPILATION REPORT
T-10658
Ph-161

The field report and photogrammetric plot report are bound in the descriptive report for T-10651.

31. DELINEATION

This manuscript was compiled on the Kelsh Plotter using 1955 photography. The 1958 photography was beyond the range of the pantograph for the Kelsh Plotter. However, ratio prints of the 1958 photography were used graphically to revise details as compiled with the Kelsh Plotter, particularly tree lines.

Field inspection was adequate, except for perennial drainage.

32. CONTROL

The horizontal control established by the stereoplanigraph bridge was adequate.

33. SUPPLEMENTAL DATA

Geographic Names Standard, dated June 19, 1959.

34. CONTOURS AND DRAINAGE

Contours are not shown. Drainage was not field inspected. Therefore, perennial drainage shown on the A.M.S. "PINEY POINT, MD., VA." sheet 5660 II N. E. was transferred to the manuscript using a ratio reflecting projector. If the drain could be seen on the photograph it was so delineated even if the position varied from the quadrangle. In most instances, the perennial drainage pattern fell in dense woods and was then delineated as transferred. However, if the drain went through an area such as a field where no drain is apparent on the photographs, that drain was not delineated.

35. SHORELINE AND ALONGSHORE DETAILS

Shoreline inspection was adequate.

36. OFFSHORE DETAILS

None.

37. LANDMARKS AND AIDS

None.

38. CONTROL FOR FUTURE SURVEYS

GABLE, 1958 is listed in the field inspection report as DORM, 1958. The position of this prominent object was determined during the stereo-planigraph bridge.

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 photo-hydro support party.

39. JUNCTIONS

This manuscript joins:

No contemporary survey to the north.

T-10657 to the west.

T-10659 to the east

T-10665 to the south

40. HORIZONTAL & VERTICAL ACCURACY

41. - 45. Inapplicable.

46. COMPARISON WITH EXISTING MAPS

Army Map Service Sheet 5660 II N. E., "PINEY POINT, MD., VA." 1:25,000 scale, revised in 1946, 3rd edition 1950, which is based on Bureau survey T-8139 (1942), scale 1:20,000.

47. COMPARISON WITH NAUTICAL CHARTS

Chart No. 558, 1:40,000 scale, 4th edition dated November 16, 1959, corrected to July 2, 1960.

Items to be applied to nautical charts immediately: None.

Items to be carried forward: None.

Respectfully submitted
September 15, 1960

Elmer L. Williams
Elmer L. Williams
Carto. (Photo.)

Approved and forwarded

William E. Randall

William E. Randall

CDR, USN

Baltimore District Officer

PHOTOGRAMMETRIC OFFICE REVIEW

T-10658

1. Projection and grids Sh 2. Title Sh 3. Manuscript numbers Sh 4. Manuscript size Sh
4a. Classification label Sh

CONTROL STATIONS

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

ALONGSHORE AREAS

(Nautical Chart Data)

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

PHYSICAL FEATURES

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

CULTURAL FEATURES

27. Roads Sh 28. Buildings Sh 29. Railroads — 30. Other cultural features Sh

BOUNDARIES

31. Boundary lines — 32. Public land lines —

MISCELLANEOUS

33. Geographic names Sh 34. Junctions Sh 35. Legibility of the manuscript Sh 36. Discrepancy overlay Sh 37. Descriptive Report Sh 38. Field inspection photographs Sh 39. Forms Sh
40. J. L. Williams Henry P. Fisher
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:

NONFLOATING AIDS OR LANDMARKS FOR CHARTS (AERONAUTICAL AIDS)
Baltimore, Maryland **1 Sept.**

Sept.

STRIKE OUT TWO

DESIGNATED TO BE CHARTED

I recommend that the following objects which ~~have~~ *have not* been inspected from seaward to determine their value as landmarks be charted on ~~deleted from~~ the charts indicated.

Henry P. Elchert

The positions given have been checked after listing by

~~William C. Randall~~

Chief of Party.

[illegible]

This form shall be prepared in accordance with Hydrographic Manual, pages 800 to 804. Positions of charted landmarks and nonfloating aids to navigation, if redetermined, shall be reported on this form. Revisions shall show both the old and new positions. The data should be considered for the charts of the area and not by individual field survey sheets. Information under each column heading should be given.

**** TABULATE SECONDS AND METERS**

48. Geographic Names:

Big Duke Creek
Blake Creek

Chingville

Glebe Branch

Herring Creek

Johns Creek

Lane Creek
Lane Pond
Lennie Creek
Little Duke Creek

McKay Beach

Potomac River
Pustye Creek

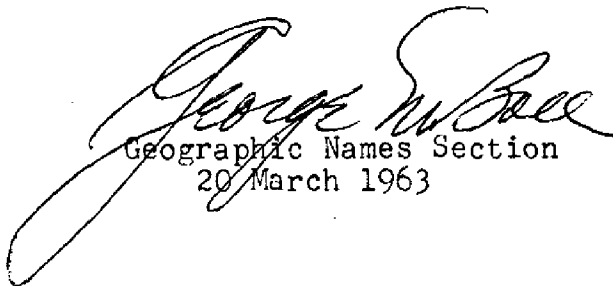
Redman Branch

St. Marys River

Talton Branch

Valley Lee

Western Branch
Woodland Branch


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. Lande
L. C. Lande

Approved by:

Charles Hearn
Chief, Cartographic Branch

Louise G. Taylor 12/29/63
Chief, Nautical Charts Division

J. E. Waugh 6/18/63
Chief, Photogrammetry Division

Warren D. Connelly
Chief, Operations Division

