

10663

Original

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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-10663

LOCALITY

State Virginia-Maryland

General locality Potomac River

Locality Coles Point

19 ~~55~~ - 1958

CHIEF OF PARTY

Joseph K. Wilson, Chief of Party
~~W. E. Randall, Baltimore District Officer~~

LIBRARY & ARCHIVES

DATE

JUL 17 1963

USCOMM-DC 5087

10663

DESCRIPTIVE REPORT - DATA RECORD

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T- 10663

Project No. (II): Ph-161

Quadrangle Name (IV):

Field Office (II): Callao, Virginia

Chief of Party: Joseph K. Wilson

Photogrammetric Office (III): Baltimore District Office

Officer-in-Charge: W. E. Randall

Instructions dated (II) (III): 16 Sept. 1957, 73/r ab

Copy filed in Division of
Photogrammetry (IV)

Lt'r from Director dtd 6 Dec. 1957, 73/r ab

" " " " 5 May 1958, 732/rrj

" " Ch. Photo. Div. dated 23 July 1958, 73/rrj

" " Ass't Dir. dated 15 May 1959, 73/rab

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): NA 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): CALHOON, 1932

Lat.: 38° 08' 52.130" (1607.3 m) Long.: 76° 39' 56.766" (1382.3 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

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 (Cartographer)**

Date: **September 1957
thru June 1958**

Planetable contouring by (II): **Inapplicable**

Date:

Completion Surveys by (II):

Date:

Mean High Water Location (III) (State date and method of location): **11 November 1955 (Date of
Photography) Photogrammetric - Kelsh Plotter.**

Projection and Grids ruled by (IV):

P. J. Dempsey

Date: **11/3/58**

Projection and Grids checked by (IV):

R. D. Shoup

Date: **11/12/58**

Control plotted by (III):

D. M. Brant

Date: **12/8/58**

Control checked by (III):

H. P. Eichert

Date: **12/8/58**

Radial Plot or Stereoscopic
Control extension by (III):

G. M. Ball

Date: **9/10/58**

Stereoscopic Instrument compilation (III):

Planimetry **D. M. Brant**

Date: **4/27/59**

~~1/1/59~~

Date:

Manuscript ~~1/1/59~~
scribed by (III):

J. C. Cregan

Date: **12/1/60**

Photogrammetric Office Review by (III):

J. C. Richter

Date: **4/6/60**

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

Date:

DESCRIPTIVE REPORT - DATA RECORD

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Camera (kind or source) (III): C&GS type "S" and "W" camera, focal length 6"

Number	Date	PHOTOGRAPHS (III)		Scale	Stage of Tide
		Time (EST)			
55-W-2404 & 2405	11/12/55	14:10		1:30,000	1.5' & 1.8' above MLW
2243 & 2244	11/11/55	12:40		"	1.7' above MLW
58-S-6439 thru 6440	8/5/58	14:10		1:40,000	1.3' " "

Tide (III)
(from Predicted Tables)

Reference Station: Washington, D. C.
Subordinate Station: Coles Pt., Virginia
Subordinate Station:

Ratio of Ranges	Mean Range	Spring Range
	2.9'	3.3'
0.62	1.8'	2.0'

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): 5
Shoreline (More than 200 meters to opposite shore) (III): 9
Shoreline (Less than 200 meters to opposite shore) (III): 3
Control Leveling - Miles (II): Inapplicable.
Number of Triangulation Stations searched for (II): 7
Number of BMs searched for (II):
Number of Recoverable Photo Stations established (III):
Number of Temporary Photo Hydro Stations established (III):

Recovered: 3
Recovered:

Identified: 1
Identified:

None
None

Remarks:

SCALE FACTOR 1.000

COMM-DC-57843

COMPILATION REPORT
Ph-161
T-10663

The field inspection report and photogrammetric plot report for this survey are part of the descriptive report for survey No. T-10661.

31. DELINEATION

The Kelsh Plotter was used for delineation on mylar projection.

32. CONTROL

Horizontal control was adequate.

33. SUPPLEMENTAL DATA

Geographic names standard, dated 6/19/59.

34. CONTOURS AND DRAINAGE

Contours: Inapplicable.

Drainage was delineated in accordance with the field inspection, although many of the very small stream branches were omitted.

35. SHORELINE AND ALONGSHORE DETAILS

Shoreline inspection was adequate.

Refer to Compilation Report for T-10661 paragraph 35.

36. OFFSHORE DETAILS

None.

37. LANDMARKS AND AIDS

Form 567 was submitted for one aid to navigation to be charted. Refer to descriptive report for survey T-10662.

38. CONTROL FOR FUTURE SURVEYS

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

Junctions have been made with the following surveys:

To the north with Survey T-10656
To the south with Survey T-10669
To the east with Survey T-10664
To the west with Survey T-10662

40. HORIZONTAL AND VERTICAL ACCURACY

Horizontal control was adequate.
Vertical control: Inapplicable.

41. BOUNDARIES

The Maryland-Virginia Boundary Line has been omitted. Refer to Amendment to Project Instructions 15 May 1959.

42. through 45. - Inapplicable.

46. COMPARISON WITH EXISTING MAPS

AMS Sheet 5660 II NW, Blakiston Island, Maryland-Virginia, scale 1:25,000, revised in 1946, 3rd edition dated 1950.

This map was based on Bureau Survey T-8140(1943), scale 1:20,000.

47. COMPARISON WITH NAUTICAL CHARTS

Chart No. 558, scale 1:40,000, 3rd edition dated 8/30/35 revised
~~1/13/58.~~
11/16/59

Items to be applied to nautical charts immediately: None.

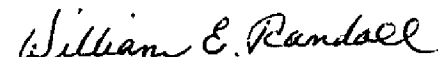
Items to be carried forward: None.

Respectfully submitted
May 6, 1960



Donald M. Brant
Carto. (Photo.)

Approved and forwarded



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

PHOTOGRAMMETRIC OFFICE REVIEW

T. 10663

1. Projection and grids JCH 2. Title Pr 3. Manuscript numbers JCH 4. Manuscript size JCH
6a. Classification Pr

CONTROL STATIONS

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

ALONGSHORE AREAS

(Nautical Chart Data)

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

PHYSICAL FEATURES

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

CULTURAL FEATURES

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

BOUNDARIES

31. Boundary lines — 32. Public land lines —

MISCELLANEOUS

33. Geographic names JCH 34. Junctions JCH 35. Legibility of the manuscript JCH 36. Discrepancy overlay JCH 37. Descriptive Report JCH 38. Field inspection photographs JCH 39. Forms JCH
40. John C. Kuchter Joseph H. Steinberg
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:

48. Geographic Names::

Aimes Creek

Barnes Point
Beatley Point
Bettys Pond
Branson Cove

Cabin Point
Cabin Point Creek
Coles Neck
Coles Point
Coles Point (settlement)

Danger Point

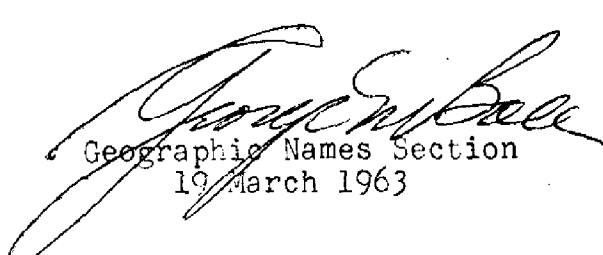
Glebe Creek
Glebe Point

Linton Point
Lower Machodoc Creek

Machodoc Neck
Potomac River

Stony Bar

Weatherall Creek


Geographic Names Section
19 March 1963

REVIEW REPORT
Planimetric Maps
T-10661 thru T-10664, T-10668 and T-10669

May 1963

61. General Statement

These are six (6) 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-8139	1:20,000	1943
T-8140	1:20,000	1943
T-8141	1:20,000	1943
T-8145	1:20,000	1943

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

63. Comparison with Maps of Other Agencies

Stratford, Va.	1:24,000	U.S.G.S.	1943
Blackiston Is. Va.	1:24,000	U.S.G.S.	1943
Piney Point, Md.	1:24,000	U.S.G.S.	1943
Machodoc, Va.	1:24,000	U.S.G.S.	1943

These maps are based on Bureau surveys listed under item 62.

64. Comparison with Contemporary Hydrographic Surveys

H-8550	1:10,000	1960
H-8610	1:10,000	1961
H-8611	1:10,000	1961
H-8612	1:10,000	1961

Shoreline and control of subject surveys was furnished prior to hydrography therefore there is good agreement except that at Poor Jack Creek and Hollis Marsh (T-10662) some shoreline changes have been applied to H-8610. These changes probably are due to the difference in the survey time.

65. Comparison with Nautical Charts

558 1:40,000 Nov. 1962

There are no differences of importance between the chart and the subject 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.

Reviewed by L

L. C. Lande
L. C. Lande

Approved by:

Charles Lerner Louise J. Adams
Chief, Cartographic Branch Chief, Nautical Charts Division

J. E. Waugh 7/16/63 Horace G. Conerly
Chief, Photogrammetry Division Chief, Operations Division

