

# 10668

Original

77-6 78-4

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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-10668
LOCALITY	
State	Virginia
General locality	Potomac River
Locality	Nomini Creek
1955-1958	
CHIEF OF PARTY	
Joseph K. Wilson, Chief of Party	
W. E. Randall, Baltimore District Officer	
LIBRARY & ARCHIVES	
DATE	JUL 17 1963

USCOMM-DC 5087

10668

DESCRIPTIVE REPORT - DATA RECORD

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T- 10668

Project No. (II): Ph-161

Quadrangle Name (IV):

Field Office (II): Callao, Virginia

Chief of Party: Joseph K. Wilson

Photogrammetric Office (III): Baltimore, Maryland

Officer-in-Charge: William E. Randall

Instructions dated (II) (III): 9/16/57, 73/rab

Copy filed in Division of  
Photogrammetry (IV)

Director's ltr. dated 12/6/57, 73/rab

" " " 5/5/58, 732/rrj

Asst. " " " 5/15/59, 73/rab

Ch. Photo. Div. " " 7/23/58, 73/rrj

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):

JUN 27 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): STARTER, 1932

Lat.: 38° 06' 02.684" (82.8 m)

Long.: 76° 44' 14.315" (348.8m)

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

U.S. DEPARTMENT OF COMMERCE  
COAST AND GEODETIC SURVEY

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Inapplicable

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): inapplicable

Date:

Completion Surveys by (II):

Date:

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

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

Date: 11/3/58

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

Date: 11/3/58

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): George M. Ball

Date: 9/10/58

Planimetry B. Kurs  
Stereoscopic Instrument compilation (III):

Date: 4/21/59

~~contouring~~

Date:

Manuscript ~~delivered~~ by (III):  
scribed

C. A. Lipscomb

Date: 11/1/60

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

Date: 3/31/60

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

Inapplicable

Date:

DESCRIPTIVE REPORT - DATA RECORD

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

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Number	Date	Time (EST)	Scale	Stage of Tide (feet)
✓ 55-W-2215 - 2216	11/11/55	11:58	1:30,000	2.0 above MLW
2221 - 2223	"	12:20	"	2.0 " "
58-S-7494 - 7496	1/5/58	12:42	1:40,000	1.8 " "

Tide (III)  
(From predicted tables)

Reference Station: Washington, D. C.  
Subordinate Station: Blakiston Island, Md.  
Subordinate Station:

Ratio of Ranges	Mean Range	Spring Range
	2.9'	3.3'
	1.9'	2.2'

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): 10  
Shoreline (More than 200 meters to opposite shore) (III): 17.4 mi.  
Shoreline (Less than 200 meters to opposite shore) (III): 3.6 mi.  
Control Leveling - Miles (II):  
Number of Triangulation Stations searched for (II): 10 Recovered: 4 Identified: 1  
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:

SCALE FACTOR 1.000

COMM-DC-57843

12/10/58

COMPILATION REPORT  
Project Ph-161  
T-10668

The field inspection report and photogrammetric plot report are bound with the Descriptive Report for T-10661.

31. DELINEATION

The Kelsh Plotter was used to delineate the manuscript.

32. CONTROL

There was no vertical control. Horizontal control was adequate except for model 2216-2217 which was weak. Additional points were dropped from adjoining models.

33. SUPPLEMENTAL DATA

Geographic Names Standard dated 19 June 1959.

34. CONTOURS AND DRAINAGE

Contours are not applicable. Drainage was adequately delineated in the field except for the S. W. corner where the field inspection stopped short of the project limits.

35. SHORELINE AND ALONGSHORE DETAILS

Adequate. No comment

36. OFFSHORE DETAILS

No comment.

37. LANDMARKS AND AIDS

None.

38. CONTROL FOR FUTURE SURVEYS

An incomplete copy of this survey along with a set of ratio prints especially prepared with selected shoreline passpoints have been furnished for the use of the photo-hydro support party.

39. JUNCTIONS

To the west and south are project limits to the north with T-10661, and T-10662; to the east with T-10669.

All junctions are complete and in agreement.

40. HORIZONTAL AND VERTICAL ACCURACY

Vertical accuracy is not applicable. See item No. 32 for Horizontal Accuracy comment.

41. thru 45 - Inapplicable.

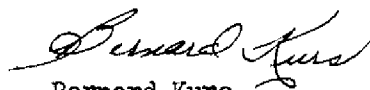
46. COMPARISON WITH EXISTING MAPS

Corps of Engineers, 7½ minute quadrangle, Machodoc, Va., scale 1:31,680. (Based on Bureau Survey T-8145, dated 1943).


47. COMPARISON WITH NAUTICAL CHARTS

Chart 558, scale 1:40,000, dated 11/16/59.

Respectfully submitted  
21 April 1959

  
Bernard Kurs  
Carto. (Photo.)

Approved and forwarded

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



PHOTOGRAMMETRIC OFFICE REVIEW

T- 10668

1. Projection and grids JCH 2. Title JCH 3. Manuscript numbers JCH 4. Manuscript size JCH  
6 x 9 inch

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) — 7. Photo hydro stations — 8. Bench marks —  
9. Plotting of sextant fixes — 10. Photogrammetric plot report JCH 11. Detail points JCH

ALONGSHORE AREAS

(Nautical Chart Data)

12. Shoreline JCH 13. Low-water line JCH 14. Rocks, shoals, etc. JCH 15. Bridges JCH 16. Aids to navigation JCH 17. Landmarks JCH 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 — 37. Descriptive Report JCH 38. Field inspection photographs JCH 39. Forms JCH  
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.

Complier

Supervisor

43. Remarks:

48. Geographic Names:

Barnes Creek  
Barnes Point  
Beales Mill Run  
Beales Wharf  
Booths Bend  
Browns Cove  
Bushfield Bend

Carys Point

Davis Creek  
Deep Point

Greens Marsh

Hickory Point  
Hinnom

Jenkins Cove  
Jenkins Point  
Jules Creek

Machodoc  
Machodoc Neck  
McGuire's Wharf  
Mount Holly

Nomini  
Nomini Creek

Palmers Cove  
Palmers Point  
Peirce Creek  
Prospect Hill

Stratter Point

Templeman Run  
Thompson Branch  
Thompson Hill

  
Geographic Names Section  
8 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 FH-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	Compared 4/30/62 Reported Revis ✓
H-8510	1:10,000	1961	✓ verification - no Problems.
H-8511	1:10,000	1961	
H-8512	1:10,000	1961	Compared with 10000 ft Hydro ✓

Shoreline and control of subject surveys was furnished prior to hydrography therefore there is good agreement except that at Peor Jack Creek and Nellis Marsh (T-10662) some shoreline changes have been applied to H-8510. 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. C. Lande  
L. C. Lande

Approved by:

Charles L. Lamm  
Chief, Cartographic Branch

Robert G. Taylor  
Chief, Nautical Charts Division

J. E. Waugh 7/6/63 L. Horace A. Conner  
Chief, Photogrammetry Division Chief, Operations Division

