

10662

Original

77-4



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-10662
LOCALITY	
State	Virginia-Maryland
General locality	Potomac River
Locality	Nomini Bay
1955-1958	
CHIEF OF PARTY	
Joseph K. Wilson, Chief of Party	
William E. Randall, Baltimore Dist. Officer	
LIBRARY & ARCHIVES	
JUL 17 1963	
DATE	

USCOMM-DC 5087

10662

DESCRIPTIVE REPORT - DATA RECORD

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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, file 73/rab

Copy filed in Division of
Photogrammetry (IV)

Ltr. from Director dated 12/6/57 - 73/rab

" " " " 5/5/58 - 732/rrj

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

" " Asst. Dir. 5/15/59 - 73/rab

Method of Compilation (III): Kelsh Plotter

Manuscript Scale (III): 1:10,000

Stereoscopic Plotting Instrument Scale (III): 1:6,000

Scale Factor (III): 1.000

MAY 26 1959 (Pantograph ratio 3/5)

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): MHW

~~Mean sea level as shown on chart~~

Elevations shown as (25) refer to mean high water

Elevations shown as (S) refer to sounding datum

i.e., mean low water or mean lower low water

Reference Station (III): COPSICO, 1934

Lat.: 38° 09' 30.559" (942 m)

Long.: 76° 41' 20.695" (504 m)

Adjusted

~~10000000~~

Plane Coordinates (IV):

State: Virginia
Maryland

Zone: North

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

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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): Inapplicable

Date:

Completion Surveys by (II):

Date:

Mean High Water Location (III) (State date and method of location):
1955 Photogrammetric (Kelsh)

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

Date: 11/5/58

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

Date: 11/12/58

Control plotted by (III): D. M. Brant

Date: 12/10/58

Control checked by (III): H. P. Eichert

Date: 12/10/58

~~Rectangular~~ Stereoscopic

Control extension by (III): George M. Ball

Date: 9/10/58

Planimetry B. Kurs

Date: 1/24/59

Stereoscopic Instrument compilation (III):

Cpntours

Date:

Manuscript ~~submitted~~ by (III): C. A. Lipscomb
scribed

Date: 10/20/60

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

Date: 3/23/60

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

Date:

DESCRIPTIVE REPORT - DATA RECORD

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

Number	Date	PHOTOGRAPHS (III)		Scale	Stage of Tide		
		Time (EST)					
55-W-2224	11/11/55	12:20		1:30,000	2.0 ft	above	MLW
2225	"	"		"	"	"	"
2406	11/12/55	14:13		"	1.8	"	"
2407	"	"		"	"	"	"
58-S-6441	8/5/58	14:10		1:40,000	1.3	"	"

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): 4
Shoreline (More than 200 meters to opposite shore) (III): 17 mi.
Shoreline (Less than 200 meters to opposite shore) (III): 5 mi.
Control Leveling - Miles (II):
Number of Triangulation Stations searched for (II): 13 Recovered: 10 Identified: 2
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): See paragraph 38

Remarks:

U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY
DESCRIPTIVE REPORT
CONTROL RECORD

MAP T. 10662 PROJECT NO. Ph-161 SCALE OF MAP 1:10,000 SCALE FACTOR 1.000

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR ψ -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)
HOLLIS, 1932	VA p. 32	N.A. 1927	179,907.82				
			2,506.124.41				
Sub. Pt. HOLLIS, 1932	IBM Comp.	"	180,095.1				
			2,506,015.9				
MURRAY, 1919	VA p. 24	"	184,540.84				
			2,516,976.32				
Sub. Pt. MURRAY, 1919	IBM Comp.	"	184,384.8				
			2,517,228.2				
STONE (Base) 1932	VA p. 32	"	176,157.83				
			2,511,499.42				
Sub. Pt. STONE	IBM Comp.	"	176,224.2				
			2,511,609.9				
COPSICO, 1934	VA p. 11	"	184,236.25				
			2,520,684.73				
COPSICO AZIMUTH MARK (RM 3), 1934	IBM Comp.	"	182,286.3				
			2,520,100.3				
MARYLAND-VIRGINIA boundary monument No. 21 east mark, 1929	VA p. 25	"	184,544.54				Not plotted congested
			2,516,984.87				
WHITE OAK (USE) 1932	VA p. 32	"	172,829.92				Not plotted congested
			2,512,760.67				
MARYLAND-VIRGINIA boundary monument No. 20, 1929	VA p. 24	"	184,647.32				
			2,520,709.93				
WHITE OAK, 1932	VA p. 32	"	172,819.13				
			2,512,762.48				

COMPILATION REPORT
T-10662

The field report and the photogrammetric plot report are part of the descriptive report for survey T-10661.

31. DELINEATION

This sheet was delineated by Kelsh Plotter.

32. CONTROL

WHITE OAK (USE) 1932
(MARYLAND-VIRGINIA BOUNDARY MONUMENT
NO. 21 EAST MARK, 1929
(MARYLAND-VIRGINIA BOUNDARY MONUMENT
NO. 21 WESTMARK, 1929, were not plotted on manuscript due to
congestion in the area.

Horizontal control adequate. Vertical control inapplicable.

33. SUPPLEMENTAL DATA

Geographic names standard, dated 6/19/59.

34. CONTOURS AND DRAINAGE

Contours: Inapplicable.

Drainage was edited by the omission of very small stream branches.

35. SHORELINE AND ALONGSHORE DETAIL

No comment.

36. OFFSHORE DETAILS

No comment.

37. LANDMARKS AND AIDS

Forms 567 have been submitted for:
2 Aids to Navigation
1 Landmark to be charted

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. One topographic station was established. Form 524 is submitted herewith.

39. JUNCTIONS

T-10661 to the west
T-10663 to the east
T-10668 to the south
T-10655 to the north, all water area.

40. HORIZONTAL AND VERTICAL ACCURACY

No comment.

41. BOUNDARIES

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

42. thru 45.

Inapplicable.

46. COMPARISON WITH EXISTING MAPS

AMS Sheet 5660 II NW, Blakiston Island, Md.-Va., 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, 4th edition, corrected to 11/16/59.

Items to be applied to Nautical Charts immediately: None.

Items to be carried forward: None.

Respectfully submitted

John C. Richter

John C. Richter
Carto. (Photo.)

Approved and Forwarded

William E. Randall
William E. Randall, CDR, USN
Baltimore District Officer

PHOTOGRAMMETRIC OFFICE REVIEW

T. 10662

1. Projection and grids JCR 2. Title _____ 3. Manuscript numbers JCR 4. Manuscript size JCR
5a. Classification label JCR

CONTROL STATIONS

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

ALONGSHORE AREAS

(Nautical Chart Data)

12. Shoreline JCR 13. Low-water line JCR 14. Rocks, shoals, etc. JCR 15. Bridges _____ 16. Aids to navigation JCR 17. Landmarks JCR 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 _____ 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 Joseph 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:

TO BE CHARTED.
TO BE REVENUED
TO BE DIRECTED

Baltimore, Maryland

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

Joseph W. Vonasek

William S. 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

TO BE CHARTED
TOP SECRET

STRIKE OUT ONE

NONFLOATING AIDS/OR LANDMARKS FOR CHARTS

Baltimore, Maryland

March 18, 1960

I recommend that the following objects which have ~~(4444/1111)~~ been inspected from seaward to determine their value as landmarks be charted on ~~(4444/1111)~~ the charts indicated.

The positions given have been checked after listing by John C. Richter

William E. Randall
Chief of Party.

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. 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

Comm-DC 28356

NOTES TO REVIEWER

White Oak Point appears at two locations on Blakiston Island Quadrangle, Md., Va. Are both correct?

The name, Poor Jack Creek, on quadrangle Blakiston Island does not fall on the branch of stream as on Stratford, Md., Va. Quadrangle and Nautical Chart No. 558.

48. Geographic Names:

Buckner Creek

Cedar Island
Currioman Bay

Elbow Point

Herring Pond
Hollis Marsh

Icehouse Point

Kingcopsico Point

Machodoc Neck
Matthews Cove
Matthews Point

Nomini Bay
Nomini Creek
North Prong

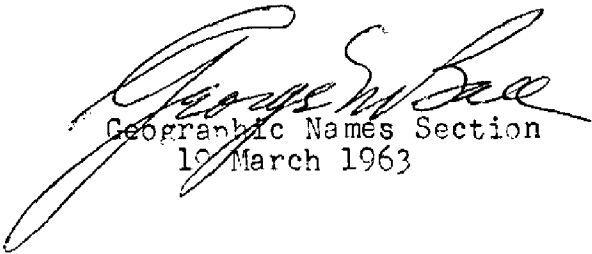
Orchard Cove

Poor Jack Creek
Potomac River

Raccoon Cove

Smarts Creek

White Point
White Oak Point


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. C. Lande
L. C. Lande

Approved by:

Chief

Charles L. Lamm
Chief, Cartographic Branch

Samuel G. Taylor
Chief, Nautical Charts Division

J. E. W. 7/16/63 Honorable G. Conely
Chief, Photogrammetry Division Chief, Operations Division

