

10669

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-10669
LOCALITY	
State	Virginia
General locality	Potomac River
Locality	Hague
19 55 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

10669

DESCRIPTIVE REPORT - DATA RECORD

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T -10669

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): 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

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

Asst. Director's " " 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
(pantograph ratio 3/5)

Scale Factor (III): 1.000

Date received in Washington Office (IV):

JUN 25 1958

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): KILMON 1932

Lat.: 38° 06' 06.724" (207.3)
m.

Long.: 76° 39' 09.282" (226.1)
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

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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): Inapplicable

Date:

Completion Surveys by (II):

Date:

Mean High Water Location (III) (State date and method of location): 11/11/55 (date of photography)
Photogrammetric - Kelsh plotter. 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: 11/12/58

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):

George M. Ball

Date: 9/10/58

Planimetry D. M. Brant
Stereoscopic Instrument compilation (III):

Date: 4/27/59

~~scribes~~

Date:

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

J. C. Cregan

Date: 11/16/60

Photogrammetric Office Review by (III):

J. C. Richter

Date: 4/15/60

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

Date:

DESCRIPTIVE REPORT - DATA RECORD

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

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Number	Date	Time (EST)	Scale	Stage of Tide
55-W-2244 thru 2247	11/11/55	12:40	1:30,000	1.7' above MLW
58-S-7497 and 7498	1/5/58	12:42	1:40,000	1.8' " "

Tide (III)
(From Predicted Tables)

Reference Station: Washington, D. C.
Subordinate Station: Coles Point, Virginia
Subordinate Station: Blakiston, Island

Ratio of Ranges	Mean Range	Spring Range
	2.9'	3.3'
0.62	1.3'	2.0'
0.65	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): 14

Shoreline (More than 200 meters to opposite shore) (III): 8 mi.

Shoreline (Less than 200 meters to opposite shore) (III): 4 mi.

Control Leveling - Miles (II): Inapplicable

Number of Triangulation Stations searched for (II): 14 Recovered: 11

Identified: 3

Number of BMs searched for (II): None Recovered:

Identified:

Number of Recoverable Photo Stations established (III): None

Number of Temporary Photo Hydro Stations established (III): None

Remarks:

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

MAP T-10669

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)
LANDING, 1932	VA p. 33	N.A. 1927	165,253.18 2,535,076.38				
Sub. Pt. LANDING, 1932	IBM Comp.	"	165,258.5 2,535,106.4				
B (USE), 1932	VA p. 33	"	171,074.30 2,535,226.69				
Sub. Pt. B (USE) 1932	IBM Comp.	"	171,145.3 2,535,358.8				
KILMON, 1932	VA p. 33	"	163,830.77 2,531,593.93				
Sub. Pt. KILMON, 1932	Comp.	"	163,836.15 2,531,548.98				
GLORY, 1932	VA p. 33	"	167,990.40 2,536,174.93				
KIRK, 1932	"	"	165,375.65 2,533,708.31				
HERBERT, 1932	"	"	171,950.74 2,536,232.15				
PARHAM, 1932	"	"	163,731.39 2,532,295.92				
BOYCE, 1932	"	"	165,388.50 2,532,681.13				
CUPOLA, 1932	"	"	166,446.57 2,535,461.75				

1 FT. = 3048006 METER

COMPUTED BY: J. Steinberg

DATE 1/21/58

CHECKED BY: H. P. Eichert

DATE 12/10/58

COMM-DC-57843

COMPILATION REPORT
Survey Ph-161
T-10669

The field inspection report and photogrammetric Plot report are bound with Descriptive Report for 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 Standards, dated 6/19/59.

34. CONTOURS AND DRAINAGE

Contours - Inapplicable.

Drainage was delineated in accordance with the field inspection.

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 the descriptive report for survey T-10662.

38. CONTROL FOR FUTURE SURVEYS

Azimuth Mark CAREY, 1957 (RM 2) was located during compilation by Kelsh Plotter.

An incomplete copy of this survey was furnished along with an especially prepared set of ratio photographs showing shoreline passpoints for the use of the Hydrographic Party.

39. JUNCTIONS

Junction has been made with the following surveys:

To the north with survey No. T-10663.

To the east with survey No. T-10670.

To the west with survey No. T-10668.

There is no contemporary survey to the south of survey No. T-10669.

40. HORIZONTAL AND VERTICAL ACCURACY

Horizontal control was adequate.

Vertical control - inapplicable.

41. to 45. Inapplicable.

46. COMPARISON WITH EXISTING MAPS

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

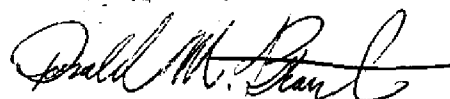
47. COMPARISON WITH NAUTICAL CHARTS

Chart No. 558, scale 1:40,000, 4th edition dated 11/16/59.

Items to be applied to nautical charts immediately: None.

Items to be carried forward: None.

Respectfully submitted



Donald M. Brant
Carto. (Photo.)

Approved and forwarded



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

PHOTOGRAMMETRIC OFFICE REVIEW

T- 10669

1. Projection and grids JCH 2. Title _____ 3. Manuscript numbers JCH 4. Manuscript size JCH
6a. Original, Non Label JCH

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 JCH 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 _____ 14. Rocks, shoals, etc. _____ 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 _____ 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. Richter Henry W. Eisher
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

Buena Vista Branch
Boyse Point

Cherry Orchard Point
Church Point
Coles Neck
Cupola Point

Doyle Cove
Drum Bay

Erica

Glebe Creek

Hague
Hanley Point
Harrison Point
Hester Cove

Kirk Point

Lee Creek
Lower Machodoc Creek

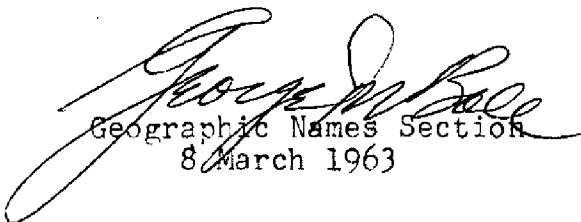
Machodoc Neck
Meter
Mount Pleasant Branch

Narrow Beach
Nigger Point

Parham Point
Plumb Point

Shorts Store

Tidwells


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

There 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
Fifty Point, Md.	1:24,000	U.S.G.S.	1943
Nachodoc, 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-8590	1:10,000	1960
H-8620	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 Four Jack Creek and Nellis 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:

Charles L. Lunn
Chief, Cartographic Branch

Louis H. Taylor
Chief, Nautical Charts Division

J. E. Waugh 7/16/62 Horace B. Connerly
Chief, Photogrammetry Division Chief, Operations Division

