

# 10664

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-10664
LOCALITY	
State	Virginia-Maryland
General locality	Potomac River
Locality	Ragged Point
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

# 10664

DESCRIPTIVE REPORT - DATA RECORD

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T- 10664

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  
Directors letter 12/6/57 - " 73/rab  
" " 5/5/58 - " 732/rrj  
Ch. Photo. Div. ltr. 7/23/58 - " 73/rrj  
Ass't Dir. ltr. 5/15/59 - " 73/rab

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):

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): GRAPEVINE, 1932

Lat.: 38° 08' 46.04" (1419.5 m) Long.: 76° 38' 37.863" (922.0 m)

Adjusted  
~~Coordinates~~

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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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: 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  
Supplemented by 1958 photography (Photogrammetric)

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

Date: 11/8/58

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

Date: 11/12/58

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

Date: 1/13/59

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

Date: 1/13/59

Radial Plot or Stereoscopic  
Control extension by (III):

G. M. Ball

Date: 9/10/58

Planimetry  
Stereoscopic Instrument compilation (III):

~~9/6/59~~ J. C. Richter

Date:

Date: 3/20/59

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

J. C. Cregan

Date: 12/28/60

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

Date: 7/26/60

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

Date:

# DESCRIPTIVE REPORT - DATA RECORD

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

= 5 =

Number	Date	PHOTOGRAPHS (III) Time (EST)	Scale	Stage of Tide(feet)
55-W-2258 & 2259	11/11/55	12:55	1:30,000	1.6 above MLW
55-W-2402 & 2403	11/11/55	14:10	"	1.5 " "
58-S-6438 & 6439	8/5/58	14:08	1:40,000	1.0 " "

## Tide (III) (from Predicted Tables)

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

Ratio of Ranges	Mean Range	Spring Range
	2.9'	3.3'
.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): 1.25 sq. mi.

Shoreline (More than 200 meters to opposite shore) (III): 2.7 mi.

Shoreline (Less than 200 meters to opposite shore) (III): ---

Control Leveling - Miles (II):

Number of Triangulation Stations searched for (II): 4 Recovered: 2 Identified: 2

Number of BMs searched for (II): 0 Recovered: Identified:

Number of Recoverable Photo Stations established (III): 0

Number of Temporary Photo Hydro Stations established (III): 0

Remarks:



COMPILATION REPORT  
Ph-161  
T-10664

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.

32. CONTROL

Horizontal control was adequate.  
Vertical control - inapplicable.

33. SUPPLEMENTAL DATA

Geographic Names Standard dated 6/19/59.

34. CONTOURS AND DRAINAGE

Drainage is complete  
Contours are inapplicable.

35. SHORELINE AND ALONGSHORE DETAIL

All shoreline is from field inspection which was thorough.

No low water or shoal lines are shown.

36. OFFSHORE DETAILS

No comment.

37. LANDMARKS AND AIDS

No landmarks.

One Aid to Navigation submitted on Form 567 with 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 as follows:

To the north with T-10657,  
To the south with T-10670  
To the east with T-10665  
To the west with T-10663

40. HORIZONTAL AND VERTICAL ACCURACY

No comment.

41. BOUNDARIES

The Maryland-Virginia Boundary Line has been omitted. Refer to Amendment to Project Instructions, 5/15/59.

42 through 45 - Inapplicable.

46. COMPARISON WITH EXISTING MAPS

AMS sheet 5660 II NE, Piney Point, Md.-Va., scale 1:25,000, revised in 1946, 3rd edition dated 1950. (based on Bureau Survey T-8139)

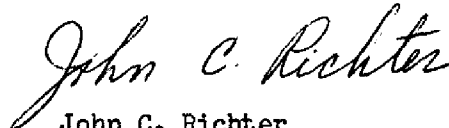
47. COMPARISON WITH NAUTICAL CHARTS

Chart No. 558, scale 1:40,000, 3rd edition 8/30/35. Revised 11/16/59.

Items to be applied to Nautical Charts immediately: None.

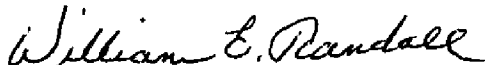
Items to be carried forward: None.

Respectfully submitted



John C. Richter  
Carto. (Photo.)

Approved and forwarded



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

PHOTOGRAMMETRIC OFFICE REVIEW

T. 10664

1. Projection and grids JCR 2. Title JCR 3. Manuscript numbers JCR 4. Manuscript size JCR

CONTROL STATIONS

4a. Classification label Ph

5. Horizontal control stations of third-order or higher accuracy JCR 6. Recoverable horizontal stations of less than third-order accuracy (topographic stations) — 7. Photo hydro stations JCR 8. Bench marks JCR 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 JCR 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. Ribbitts Reviewer Joseph Steinberg 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:

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NOTES TO REVIEWER

Nautical Chart No. 558 shows cable area from Ragged Point to Ragged Point Lighthouse; field man says there is no cable in the area. Ratio Photograph No. 2258.

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48. Geographic Names:

Blackbeard Pond

Coles Neck

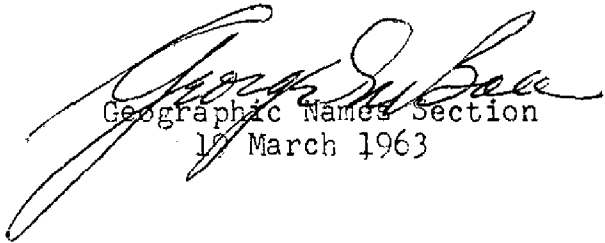
Potomac River

Ragged Point

Ragged Point Beach

Rices Pond

Stinking Point

  
Geographic Names Section  
12 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 PM-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
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-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-10668) some shoreline changes have been applied to H-8612. 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

James H. Taylor  
Chief, Nautical Charts Division

J. W. Wough 7/16/63  
Chief, Photogrammetry Division

Horace E. Connelley  
Chief, Operations Division

