

10656

Original



10656

Form 504	
U. S. DEPARTMENT OF COMMERCE	
COAST AND GEODETIC SURVEY	
DESCRIPTIVE REPORT	
Type of Survey	Planimetric
Field No. Ph-161	Office No. T-10656
LOCALITY	
State	Maryland
General locality	Potomac River
Locality	Medley Neck
1955-1958	
CHIEF OF PARTY	
James P. Randall, Chief of Party	
W. E. Randall, Baltimore District Officer	
LIBRARY & ARCHIVES	
DATE	JUN 13 1963

USCOMM-DC 5087

DESCRIPTIVE REPORT - DATA RECORD

- 2 -

T- 10656

Project No. (II): Ph-161

Quadrangle Name (IV):

Field Office (II): Leonardtown, Maryland

Chief of Party: James P. Randall

Photogrammetric Office (III): Baltimore, Maryland

Officer-in-Charge: William E. Randall

Instructions dated (II) (III): 9/16/57, 73/rab
Ltr. from Ch. Photo. Div. - 7/23/58, 73/rrj

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):

OCT 20 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): NA 1927

Vertical Datum (III):

~~Mean low water or mean lower low water~~ 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): SEARS, 1934

Lat.: 38° 16' 10.076" (310.7 m) Long.: 76° 39' 52.498" (1276.2 m)

Adjusted
~~height~~

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

- 3 -

[illegible]

Areas contoured by various personnel
(Show name within area)
(II) (III)

DESCRIPTIVE REPORT - DATA RECORD

- 4 -

Field Inspection by (II): James P. Randall
Robert S. Tibbetts
Mathew A. Stewart

Date: June 1958 thru
September 1958

Planetable contouring by (II):

Date:

Completion Surveys by (II):

Date:

Mean High Water Location (III) (State date and method of location): 11/11/55 supplemented by
photography taken 6/14/58. (Photogrammetric)

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

Date: 11/17/58

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

Date: 11/19/58

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

Date: 3/9/60

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

Date: 3/9/60

Radial Plot or Stereoscopic
Control extension by (III): W. A. Kuncis

Date: 2/25/60

Planimetry E. L. Rolle
Stereoscopic Instrument compilation (III):

Date: 7/8/60

~~Contours~~

Date:

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

J. C. Grogan

Date: 5/29/61

Photogrammetric Office Review by (III): D. M. Brant

Date: 2/10/61

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

Date:

DESCRIPTIVE REPORT - DATA RECORD

- 5 -

Camera (kind or source) (III): **CGGS Type "W" and "S" cameras**

Number	Date	PHOTOGRAPHS (III)		Scale	Stage of Tide (feet)
		Time (E.S.T.)			
55-W-2391 & 2392	11/12/55	1343		1:30,000	1.9 above MLW
55-W-2240	11/11/55	1235		"	1.9 " "
58-S-4968 & 4969	6/14/58	1512		1:40,000	1.0 " "

Tide (III) (From predicted tables)

Reference Station: **Washington, D. C.**
Subordinate Station: **Blakiston Island, Maryland**
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): **5**
Shoreline (More than 200 meters to opposite shore) (III): **6**
Shoreline (Less than 200 meters to opposite shore) (III):
Control Leveling - Miles (II):
Number of Triangulation Stations searched for (II): **5**
Number of BMs searched for (II):
Number of Recoverable Photo Stations established (III): **1**
Number of Temporary Photo Hydro Stations established (III):

Recovered: **0** Identified: **0**
Recovered: Identified:

Remarks:

MAP T-10656

PROJECT NO. Ph-161

SCALE OF MAP 1:10,000

SCALE FACTOR 1.000

[illegible]

1 FT. = .3048006 METER

COMPUTED BY: J. Steinberg

DATE 11/25/58

CHECKED BY: H. P. Elchert

DATE 12/1/58

COMM-DC-57843

COMPILATION REPORT
Project Ph-161
T-10656

The photogrammetric plot report and field inspection report for this survey is part of the Descriptive Report for survey No. T-10651.

31. DELINEATION

The Kelsh Plotter (using 1955 photography) was used for delineation. This delineation was revised using the 1958 photography. Minor changes were made in planimetry, mostly in the limits of ground cover.

Field inspection was adequate except for the omission of perennial drainage.

32. CONTROL

Horizontal control was adequate even though a few of the passpoints from the stereoplanigraph bridge were not useable at the time of compilation. This was due mainly to the time difference in photography whereby the bridging was done using 1958 photography and the compilation using 1955 photography.

33. SUPPLEMENTAL DATA

Geographic Names Standard dated 19 June 1959.

34. CONTOURS AND DRAINAGE

Contours inapplicable. Perennial drainage was not field inspected. Drainage was office identified from stereoscopic examination of photographs. The A.M.S. Blakiston Island Sheet was used as a reference in the delineation.

35. SHORELINE AND ALONGSHORE DETAILS

Shoreline compiled from adequate field inspection.

No low water or shoal lines were shown.

The field inspection party did not furnish limits for the apparently extensive grass and water area located south of Medley Neck and noted on field ratio photograph 55-W-2240. Since these limits were in doubt and could not be interpreted by office examination of the photographs they have not been shown.

36. OFFSHORE DETAILS

No unusual problems were encountered in compiling offshore details. Numerous duck blinds were located offshore by photogrammetric methods, one of which was verified by a three point fix. In addition there are piling and fish stakes shown off shore.

37. LANDMARKS AND AIDS

No landmarks or aids were submitted.

38. CONTROL FOR FUTURE SURVEYS

One recoverable topographic station (WELL 1958) was established by triangulation methods. Form 524 is submitted herewith.

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

The following junctions have been made:

To the north with survey No. T-10653.

To the south with survey No. T-10663.

To the west with survey No. T-10655.

To the east with survey No. T-10657

40. HORIZONTAL AND VERTICAL ACCURACY

Covered in photogrammetric plot report.

41. through 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 1949. This map is based on Bureau Survey T-8140 (1942).

47. COMPARISON WITH NAUTICAL CHARTS

Chart No. 558, scale 1:40,000, 4th edition dated November 16, 1959, corrected to 7/2/60.

Items to be applied to nautical charts immediately: None.

Items to be carried forward: None.

Approved and forwarded

William E. Randall

William E. Randall,
CDR, USN
Baltimore District Officer

Respectfully submitted
February 10, 1961

Donald M. Brant

Donald M. Brant
Carto. (Photo.)

PHOTOGRAMMETRIC OFFICE REVIEW

T. 10656

1. Projection and grids B 2. Title B 3. Manuscript numbers B 4. Manuscript size B
4a. Calculation table B

CONTROL STATIONS

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

ALONGSHORE AREAS

(Nautical Chart Data)

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

PHYSICAL FEATURES

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

CULTURAL FEATURES

27. Roads B 28. Buildings B 29. Railroads 30. Other cultural features B

BOUNDARIES

31. Boundary lines 32. Public land lines

MISCELLANEOUS

33. Geographic names B 34. Junctions B 35. Legibility of the manuscript B 36. Discrepancy overlay 37. Descriptive Report B 38. Field inspection photographs B 39. Forms B

40. Dale M. Cook Henry P. Smith
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:

Breton Bay

Flood Creek

Huggins Point

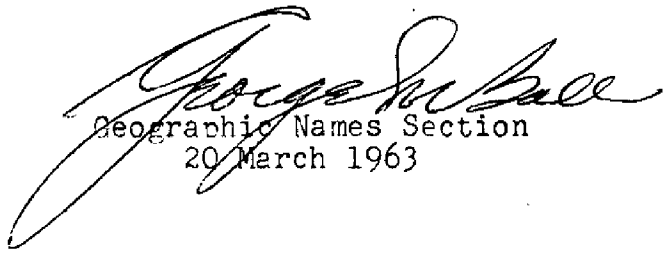
Medley Creek

Medley Neck

Potomac River

Protestant Point

Sandyland Beach


Geographic Names Section
20 March 1963

**REVIEW REPORT
of Planimetric Maps
T-10651 thru T-10657
March 1963**

61. General Statement

These are seven (7) 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-8115	1:20,000	1943
T-8139	1:20,000	1943
T-8140	1:20,000	1943
T-8141	1:20,000	1943
T-8442	1:20,000	1942

Minor cultural and shoreline changes have taken place and several aids to navigation have been rebuilt or relocated since the above listed surveys were made. T-10651 thru T-10657 are to supersede the above listed surveys of identical areas for nautical charting purposes.

63. Comparison with Maps of Other Agencies

Rock Point Md.	1:20,000	U.S.N.S.	1943
Stratford Va., Md.	1:20,000	U.S.G.S.	1943
Blackiston Island Va., Md.	1:20,000	U.S.G.S.	1943
Piney Pt. Va., Md.	1:20,000	U.S.G.S.	1943
Leonardtown Md.	1:62,500	U.S.G.S.	1934-1950

In general, the agreement is good, but there are minor cultural and shoreline differences.

64. Comparison with Contemporary Hydrographic Surveys

H-8550	1:10,000	1960
H-8551	1:10,000	1960
H-8552	1:10,000	1960
H-8611	1:10,000	1961
H-8613	1:10,000	1961

Some of the above surveys have been verified, all are subject to review.

Shoreline and control of the subject surveys was furnished prior to the hydrography and as no changes of importance have been made there is good agreement.

55. Comparison with Nautical Charts

558

1:40,000

Nov. 1962

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

56. Adequacy of Results and Future Surveys

These surveys were prepared according to project instructions and are within the required accuracy for Nautical Charting.

Submitted by:

L. C. Lunde
L. C. Lunde

Approved by:

Charles Lunde
Chief, Cartographic Branch

Lunde G. Taylor
Chief, Nautical Charts Division

J. E. Waugh 7/10/63
Chief, Photogrammetry Division

Harold G. Connelley
Chief, Operations Division

