

10655

Original

10655

Form 504	
U. S. DEPARTMENT OF COMMERCE	
COAST AND GEODETIC SURVEY	
DESCRIPTIVE REPORT	
Type of Survey	Planimetric
Field No. Ph-161	Office No. T-10655
LOCALITY	
State	Maryland
General locality	Potomac River
Locality	Blakiston Island
1955-1958	
CHIEF OF PARTY	
James P. Randall, Chief of Party	
W. E. Randall, Baltimore District Office	
LIBRARY & ARCHIVES	
DATE	JUN 13 1962

USCOMM-DC 5087

DESCRIPTIVE REPORT - DATA RECORD

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T-10655

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. Ph. 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): 1,6000
(Pantograph ratio 3/5)

Scale Factor (III): 1.000

SEP 10 1961

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): RAILS (M.S.F.C.) 1908

Lat.: 38° 14' 49.675" (1531.6)m Long.: 76° 42' 43.888" (1067.2)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

U.S. DEPARTMENT OF COMMERCE
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): James P. Randall
Robert S. Tibbetts
Mathew A. Stewart
Date: June 1958 thru
September 1958

Planetable contouring by (II): Inapplicable
Date:

Completion Surveys by (II):
Date:

Mean High Water Location (III) (State date and method of location):
November 12, 1955 supplemented by 1958 photography. (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

~~Redrawn~~ Stereoscopic Control extension by (III): W. A. Kuncis
Date: 2/25/60

Stereoscopic Instrument compilation (III):
Planimetry E. L. Williams
B. Kurs
Date: 6/27/60
6/15/60

~~Redrawn~~
Date:

^{scribed}
Manuscript ~~checked~~ by (III): J. C. Cregan
Date: 5/22/61

- Photogrammetric Office Review by (III): D. M. Brant
Date: 11/2/60

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

DESCRIPTIVE REPORT - DATA RECORD

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

Number	Date	PHOTOGRAPHS (III)		Scale	Stage of Tide
		Time (EST)			
55-W-2227 & 2228	11/11/55	1317		1:30,000	1.7' above MLW
55-W-2380	11/12/55	1330		"	2.0' " "
55-W-2381	"	1331		"	" " "
55-W-2389 & 2390	"	1343		"	1.9' " "
58-S-4970	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): 3

Shoreline (More than 200 meters to opposite shore) (III): 8.1 St. miles

Shoreline (Less than 200 meters to opposite shore) (III): 1.2 " "

Control Leveling - Miles (II):

Number of Triangulation Stations searched for (II): 9

Recovered: 2

Identified: 1

Number of BMs searched for (II): None

Recovered:

Identified:

Number of Recoverable Photo Stations established (II):

None

Number of Temporary Photo Hydro Stations established (III):

None

Remarks:

SCALE FACTOR

[illegible]

COMPILATION REPORT
Ph-161
T-10655

The field inspection report and photogrammetric plot report are assembled with the Descriptive Report for T-10651.

31. DELINEATION

This manuscript was compiled on the Kelsh Plotter using 1955 photography. Ratio prints of 1958 photography were used to correct the detail to the latest date available.

Field inspection was adequate except for perennial drainage.

32. CONTROL

The horizontal control established by the stereoplanigraph bridge was adequate.

33. SUPPLEMENTAL DATA

Geographic names standard dated 19 June 1959.

34. CONTOURS AND DRAINAGE

Contours are not shown. Perennial drainage was not field inspected. All drainage shown on this survey has been delineated from stereoscopic examination of photographs.

35. SHORELINE AND ALONGSHORE DETAILS

Field inspection of the apparent shoreline as exemplified on photograph 55-W-2228 near W. GABLE, 1958 was disregarded and a mean high water line delineated. This arbitrary decision which did not affect the accuracy of the map was necessary because the very narrow strip of marsh in such areas precludes the use of the standard symbol.

In all other instances, shoreline inspection was adequate.

The approximate MHW lines at Heron Island Bar were delineated from office interpretation of the photographs.

All shoal lines and low water lines are from data furnished by the field inspection.

36. OFFSHORE DETAILS

Offshore duck blinds designated by symbol and legend on the manuscript are delineated from the 1958 photographs. Three-point fixes obtained in the field confirmed these positions.

37. LANDMARKS AND AIDS

A copy of Form 567, listing five aids to navigation and one landmark for this manuscript is submitted with the Descriptive Report for T-10654.

The photogrammetric positions of these aids checks the three-point fixes obtained in the field.

38. CONTROL FOR FUTURE SURVEYS

W GABLE, 1958 is listed in the field inspection report as GABY, 1958. The position of this prominent object was determined during the stereo-planigraph bridging. Form 524 was not submitted. 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

This manuscript joins:

T-10652 to the north.
T-10654 to the west.
T-10656 to the east.
T-10662 to the south.

40. HORIZONTAL AND VERTICAL ACCURACY

No comment.

41. BOUNDARIES

The boundary for Newtown Neck Proving Ground was delineated from the AMS Blakiston Island sheet.

42. through 45.

Inapplicable.

46. COMPARISON WITH EXISTING MAPS

A.M.S. Blakiston Island, Md., Va., scale 1:25,000, Sheet 5660 II NW, revised 1946, 3rd edition 1950, which is based on Bureau Survey T-8140, scale 1:20,000 dated 20 October 1942.

47. COMPARISON WITH NAUTICAL CHARTS

Chart No. 558, scale 1:40,000, published Nov. 1959 (4th edition), (7/2/60)

Items to be applied to nautical charts immediately: None.

Items to be carried forward: None.

Respectfully submitted
July 26, 1960

Henry P. ...
for E. L. Williams
E. L. Williams
Carto. (Photo.)

Approved and forwarded

William E. Randall

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

NOTES TO HYDROGRAPHIC PARTY
Potomac River
Ph-161
T-10651, T-10652, T-10654, T-10655

Shallow lines indicated by the field party have been delineated and extended by analogy upon comparison with Chart 558.

Stations FLY, CBO and HUT (T-10654) are hydro signals identified by LTJG G. F. Wirth on 13 August 1959. They might still be in position.

The following are objects identified by the field inspection party as recoverable topographic stations. Their descriptions are labeled on the manuscripts.

<u>T-10651</u>	<u>T-10652</u>	<u>T-10654</u>	<u>T-10655</u>
GRILL, 1958	GABLE, 1958	GABLE, 1958	W. GABLE, 1958
GABLE, 1958		CHIMNEY, 1958	
CHIMNEY, 1958		DORMER, 1958	
		GABLE, 1958	

Many changes were noted in the positions of the duck blinds between the 1955 photographs and the 1958 photographs. Several have been located by sextant fixes and agree with the 1958 photography. The old positions of some have been retained because they are a convenient pass point for the older photography.

At several places the field inspection party indicated apparent shoreline in front of a very narrow fringe of marsh. Where this area became too narrow to symbolize properly, the MHWL was office interpreted at the high ground and the marsh omitted.

Submitted 15 July 1960

PHOTOGRAMMETRIC OFFICE REVIEW

T. 10655

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

CONTROL STATIONS

4a. Classification label B

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 juv 10. Photogrammetric plot report B 11. Detail points B

ALONGSHORE AREAS

(Nautical Chart Data)

12. Shoreline B 13. Low-water line B 14. Rocks, shoals, etc. B 15. Bridges — 16. Aids to navigation B 17. Landmarks B 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 —

CULTURAL FEATURES

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

BOUNDARIES

31. Boundary lines B 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. Delbert M. Brant Reviewer Henry J. Eicher 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:

T-10655

48. Geographic Names:

Back Creek
Blakiston Island
Breton Bay

Clem Point
Cornish Point

Dukeharts Channel

Fresh Pond

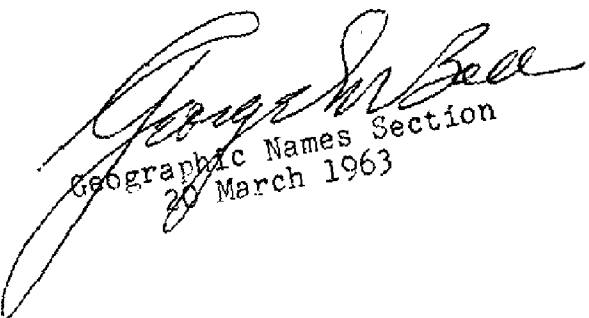
Heron Island Bar

Kaywood Point

Long Point

Payne Point
Potomac River

St. Clement Bay
St. Patrick Creek


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 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-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.	1:24,000	U.S.G.S.	1943
Stratford Va., Md.	1:24,000	U.S.G.S.	1943
Blackiston Island Va., Md.	1:24,000	U.S.G.S.	1943
Piney Pt. Va., Md.	1:24,000	U.S.G.S.	1943
Leonardtown Md.	1:62,500	U.S.G.S.	1938-1950

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 hydrographic and as no changes of importance have been made there is good agreement.

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.

Submitted by:

L. C. Lande
L. C. Lande

Approved by:

Charles G. Lander
Chief, Cartographic Branch

Leone G. Taylor
Chief, Nautical Charts Division

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

Worace B. Connelley
Chief, Operations Division

