

10659

Original

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-10659
LOCALITY	
State	Maryland
General locality	Potomac River
Locality	Great Mills
19 55 - 1958	
CHIEF OF PARTY	
James P. Randall, Chief of Party	
W. E. Randall, Baltimore District Officer	
LIBRARY & ARCHIVES	
DATE	

USCOMM-DC 5087

10659

DESCRIPTIVE REPORT - DATA RECORD

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T- 10659

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 Chief, 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):

NOV 1 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): **N.A. 1927**

Vertical Datum (III): **MHW**

~~Mean sea level except as follows--~~

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): **MCOOY, 1908**

Lat.: **38° 12' 44.881" (1383.8)m** Long.: **76° 28' 13.747" (334.4)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.

FORM 181a
(4-23-54)

DESCRIPTIVE REPORT - DATA RECORD

U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

INAPPLICABLE

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

DESCRIPTIVE REPORT - DATA RECORD

— 1 —

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

Date: June 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): 1955 (Photogrammetric - Kelsh
Plotter) supplemented by 1958 photography

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

Date: 11/20/58

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

Date: 11/21/58

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

Date: 3/12/60

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

Date: 3/12/60

~~Stereoscopic~~ Stereoscopic

Willard Kuncis

Date: 5/59

Control extension by (III):

Planimetry D. M. Brant

Date: 9/2/60

Stereoscopic Instrument compilation (III):

~~Contours~~

Date:

scribed

Manuscript delineated by (III):

J. C. Cregan

Date: 7/24/61

Photogrammetric Office Review by (III): E. L. Rolle

Date: 12/2/60

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

Date:

DESCRIPTIVE REPORT - DATA RECORD

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

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Number	Date	PHOTOGRAPHS (III) Time (EST)	Scale	Stage of Tide
55-W-2345 thru 2347	11/12/55	12:46	1:30,000	1.6' above MLW
55-W-2364 " 2367	11/12/55	13:05	"	1.5' " "
58-S-7514 and 7515	1/5/58	13:03	1:40,000	1.5' " "

Tide (III)
(From predicted tables)

Reference Station: Washington, D. C.
Subordinate Station: St. Mary's City
Subordinate Station:

Ratio of Ranges	Mean Range	Spring Range
	2.9'	3.3'
0.52	1.5'	1.7'

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): 12 Sq. statute miles
Shoreline (More than 200 meters to opposite shore) (III): 9.6 st. mi.
Shoreline (Less than 200 meters to opposite shore) (III): 2.4 " "
Control Levelling - Miles (II): Inapplicable
Number of Triangulation Stations searched for (II): 10 Recovered: 7 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:

MAP T-10659

PROJECT NO. Ph-161

SCALE OF MAP 1:10,000

SCALE FACTOR 1.000

[illegible]

1 FT. = 3048006 METER

COMPUTED BY: **D. M. Brant**

DATE.

CHECKED BY: P. E. Eichert

DATE _____

COMM-DC-57843

COMPILATION REPORT

Ph-161

T-10659

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

31. DELINEATION

The Kelsh Plotter (with 1955 photography) was used in compilation. Minor changes in planimetry such as tree lines, drainage and roads were edited to agree with the 1958 photography.

By comparison with existing maps the field inspection of interior drainage is incomplete. See paragraph 34 for discussion.

32. CONTROL

The identification, density and placement of horizontal control was adequate.

33. SUPPLEMENTAL DATA

A.M.S. Sheet 5760 III N. W. St. Mary's City, Maryland.

a. Geographic name standard, dated 19 June 1959.

b. Drainage transferred to manuscript by vertical projector.

34. CONTOURS AND DRAINAGE

There are no contours on this manuscript.

No interior drainage was field inspected for this manuscript. The drainage on the A.M.S. St. Mary's City, Maryland (based on Bureau survey T-8138, 1943) was accepted. Considering that most of the drainage is obscured by heavy trees, changes were made only where positive photo-interpretation was possible. In order to achieve a consistent drainage pattern over the project, some of the small branches were considered intermittent and were not shown.

Upon examination of the photographs there appear to be swamp areas along the streams as was field inspected on the south shore of this project. Because of heavy trees a positive identification of the swamp limits was not possible and therefore no swamp limits have been shown from office interpretation.

35. SHORELINE AND ALONGSHORE DETAILS

Shoreline inspection was adequate. The low water line was shown where indicated by field inspection.

36. OFFSHORE DETAILS

No unusual problems were encountered in compiling details offshore from the Mean High Water Line. The wreck southeast of Tippity Wichity Island was located from data submitted on Form 24A.

37. LANDMARKS AND AID AIDS

One aeronautical aid has been established. Form 567 was submitted 9/1/60.

38. CONTROL FOR FUTURE SURVEYS

There were no recoverable topographic stations established on this survey. An incomplete copy of this survey showing the shoreline, along with a set of ratio photographs with passpoints, was prepared and submitted for use of the hydrographic party.

39. JUNCTIONS

Junction has been made with T-10660 to the east, T-10658 to the west and T-10666 to the south. There is no contemporary survey to the north.

40. HORIZONTAL AND VERTICAL ACCURACY

No comment.

41. thru 45. Inapplicable.

46. COMPARISON WITH EXISTING MAPS

Comparison was made with A.M.S. St. Marys City sheet 5760 III NW, revised in 1946, 1:25,000, 3rd edition 1950. This map is based on Bureau survey T-8138.

47. COMPARISON WITH NAUTICAL CHARTS

Comparison was made with Chart No. 557, Potomac River, scale 1:40,000 7th edition, dated November 7, 1960, corrected to November 12, 1960.

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, C&GS
Baltimore District Officer

Respectfully submitted
September 2, 1960

Donald M. Brant

Donald M. Brant
Carto. (Photo.)

PHOTOGRAMMETRIC OFFICE REVIEW

T-10659

1. Projection and grids ☒ 2. Title ☒ 3. Manuscript numbers ☒ 4. Manuscript size ☒
As Classification label ☒

CONTROL STATIONS

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

ALONGSHORE AREAS

(Nautical Chart Data)

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

PHYSICAL FEATURES

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

CULTURAL FEATURES

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

BOUNDARIES

31. Boundary lines ☒ 32. Public land lines ☒

MISCELLANEOUS

33. Geographic names ☒ 34. Junctions ☒ 35. Legibility of the manuscript ☒ 36. Discrepancy overlay ☒ 37. Descriptive Report ☒ 38. Field inspection photographs ☒ 39. Forms ☒
40. Edward L. Rollet Henry F. Fisher
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:

LIST OF DIRECTIONS

Station	HAMMET
Chief of party	J.P. RANDALL
Observer	KET

State MARYLAND
Date 7/25/58
Instrument WILD T.2

Recorded in ~~volume~~
Photo 55W 2347
Computed by
KET
Checked by

OBSERVED STATION	Observed direction	Eccentric reduction	Corrected direction with zero initial	Sea level reduction ²	Adjusted direction ²
	° ' "	' "	° ' "	"	"
St Marys City, WATER TOWER	0 00 00.00		0 00 00.00		
Sunken Ship	113 10 15				
Stadia Dist: $\frac{680}{100} \times \frac{780}{200}$					
= 1160 ft.					

Wreck Submerged 2.8 feet
at 1335 7/24/58 (EST.)

The map shows a coastal area with several islands. A red line indicates the 1160 ft. distance from Hammet Island to the wreck. A black line indicates the azimuth to St Marys City Water tank. The map also shows the location of Tippet's Wreckery Is. and a compass rose pointing North.

* These columns are for office use and should be left blank in the field.
** Objects visible from the ground.

see H-8548
For least depth.

T-10659

48. Geographic Names:

Bettys Cove

Church Point
Craney Creek

Eastern Branch

Frog Marshes

Great Mill (settlement)
Greens Rest Run

Hillton Run
Horseshoe Bend
Horseshoe Point

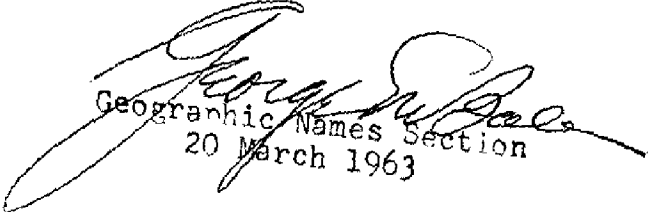
Long Point

Martin Cove
Martin Point

Pagan Point
Penbrook Run

Short Point
Snow Hill Branch
St. Marys River
Tippity Wichity Island

Warehouse Point
Warehouse Run


Geographic Names Section
20 March 1963

REVIEW REPORT
OF PLANIMETRIC MAPS
T-10658 thru T-10660, T-10665 thru T-10667,
T-10672 and T-10673

April 1963

61. General Statement

These are eight (8) 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-8137	1:20,000	1943
T-8138	1:20,000	1943
T-8139	1:20,000	1943
T-8147	1:20,000	1943

These surveys agree with subject manuscripts as well as could be expected under consideration of the time interval. Only minor differences exist between the surveys of 1943 and subject manuscripts and are to supersede above listed registered surveys of common area and detailing for nautical charting purposes.

63. Comparison with Maps of Other Agencies

Piney Point, Md.	1:24,000	U.S.G.S.	1943
St. Marys City, Md.	1:24,000	U.S.G.S.	1943
St. George Island, Md.	1:24,000	U.S.G.S.	1943

There are minor cultural and shoreline differences but in general the agreement is good.

64. Comparison with Contemporary Hydrographic Surveys

H-8547	1:10,000	1960
H-8548	1:10,000	1960
H-8550	1:10,000	1960

Shoreline and control of subject surveys was furnished prior to hydrography 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 only minor differences between the chart and the 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 F. Krause Lowell G. Taylor
Chief, Cartographic Branch Chief, Nautical Charts Division

J. E. Waugh 6/18/63 Horace D. Connelly
Chief, Photogrammetry Division Chief, Operations Division

