

10673

Original

77-6 & 78-4

*

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-10673
LOCALITY	
State	Maryland
General locality	Potomac River
Locality	Calvert Bay
19-55-1958	
CHIEF OF PARTY	
James P. Randall, Chief of Party	
W. E. Randall, Baltimore District Officer	
LIBRARY & ARCHIVES	
DATE	

USCOMM-DC 5087

10673

DESCRIPTIVE REPORT - DATA RECORD

- 2 -

T - 10673

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. Div. Photo., 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):

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): OAK (MSFC), 1908

Lat.: 38° 07' 01.760 (54.3 m)

Long.: 76° 24' 39.238 (955.8 m)

Adjusted
8730.0000

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

[illegible]

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): 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: 11/3/58

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

Date: 11/12/58

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

Date: 5/27/59

Control checked by (III): J. C. Richter

Date: 5/27/59

Radial Plot or Stereoscopic
Control extension by (III):

W. A. Kuncis

Date: May 1959

Planimetry (J. C. Richter
(B. Kurs

Date: 7/20/59

Stereoscopic Instrument compilation (III):

~~OBVIOUSLY~~

Date:

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

J. C. Grogan

Date: 8/29/61

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

Date: 2/27/61

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

Date:

DESCRIPTIVE REPORT - DATA RECORD

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

- 5 -

Number	Date	PHOTOGRAPHS (III)		Scale	Stage of Tide
		Time (E.S.T.)			
55-W-2377	11/12/55	13:17		1:30,000	1.4' above MLW
55-W-2416 thru 2418	"	14:24		"	1.0' " "
58-S-6401 thru 6402	8/5/58	13:21		1:40,000	0.6' above MLW

Tide (III)
(from Predicted Tables)

Reference Station: Washington, D. C.
Subordinate Station: Kitts Pt., Md.
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): 4.0 Sq. Statute Miles
Shoreline (More than 200 meters to opposite shore) (III): 11.5 Statute Miles
Shoreline (Less than 200 meters to opposite shore) (III): 6.0 Statute Miles
Control Leveling - Miles (II):
Number of Triangulation Stations searched for (II): 23 Recovered: 5 Identified: 2
Number of BMs searched for (II): Recovered: Identified:
Number of Recoverable Photo Stations established (III): None
Number of Temporary Photo Hydro Stations established (III): None

Remarks:

COMPILATION REPORT
Ph-161
T-10673

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

31. DELINEATION

The Kelsh Plotter was used for delineation.

32. CONTROL

Horizontal control was adequate. Vertical control is inapplicable.

33. SUPPLEMENTAL DATA

Final Name Standard, dated 19 June 1959.

34. CONTOURS AND DRAINAGE

Contours are inapplicable.

The field inspection for interior drainage is incomplete for this manuscript. Considering that most of the drainage is obscured by trees and since a positive photo-interpretation could not be accomplished, the drainage from the quadrangle A.M.S., Sheet 5760 III S.W., St. George Island, Md., Va. was accepted in part and added to this manuscript. Some of the smaller drainage branches were omitted in order to have a more consistent drainage pattern throughout the project.

35. SHORELINE AND ALONGSHORE DETAILS

All shoreline detail is from field inspection which was thorough.

Shallow lines were taken partly from field inspection and partly office interpretation.

No low-water line was delineated.

36. OFFSHORE DETAILS

No comment.

37. LANDMARKS AND AIDS

9 Range markers.

2 Lights*

*Form 567 submitted with Descriptive Report for survey T-10672.

38. CONTROL FOR FUTURE SURVEYS

An incomplete copy of this survey showing the shoreline along with a set of ratio photos with pass points was prepared and submitted for the use of the hydrographic party.

39. JUNCTIONS

Junction has been made as follows:

North with T-10667.

East with T-11289 (Ph-101).

West with T-10672.

South - no contemporary survey.

40. HORIZONTAL AND VERTICAL ACCURACY

No comment.

41 through 45. Inapplicable.

46. COMPARISON WITH EXISTING MAPS

A.M.S. Sheet 5760 III S.W., St. George Island, Md., Va., scale 1:25,000, revised 1946, 3rd edition 1949, which is based on Bureau survey T-8146 (1942).

47. COMPARISON WITH NAUTICAL CHARTS

Chart No. 557, scale 1:40,000, 7th Edition, November 7, 1960, corrected to November 12, 1960.

Items to be applied to nautical charts immediately: None.

Items to be carried forward: None.

Respectfully submitted



E. L. Rolle
Carto. (Photo.)

Approved and forwarded



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

PHOTOGRAMMETRIC OFFICE REVIEW

T. 10673

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

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. Rolle Henry P. Fairhead
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:

Calvert Bay
Calvert Creek
Clayton Marina

Deep Cove

Fox Harbor

Gray Point

Harry James Creek

Jutland Creek
Jutland Neck

Kitts Point

Lawson Point

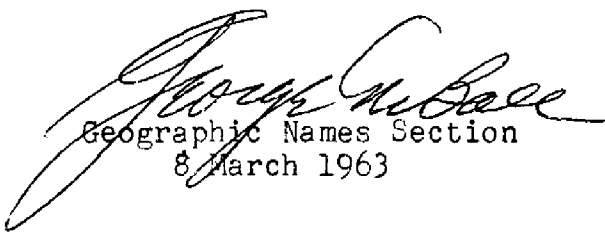
Potomac River

Rowley Bay

Sage Point
Sage Pond
Smith Creek
Smith Point
St. Inigoes Neck
St. Marys River

Tick Neck

Wynne


Geographic Names Section
8 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 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-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 Henry Louis G. Taylor
Chief, Cartographic Branch Chief, Nautical Charts Division

J. W. Wough 6/18/63 Howard D. Connelley
Chief, Photogrammetry Division Chief, Operations Division

