

10666

Original

77-10

Diag. Cht. No. 7706.

Form 504	
U. S. DEPARTMENT OF COMMERCE	
COAST AND GEODETIC SURVEY	
DESCRIPTIVE REPORT	
Type of Survey	Planimetric
Field No. Ph-161	Office No. T-10666
LOCALITY	
State	Maryland
General locality	Potomac River
Locality	Portobello
19 53 55 - 1958	
CHIEF OF PARTY	
James P. Randall, Chief of Party	
W. E. Randall, Baltimore District Officer	
LIBRARY & ARCHIVES	
DATE	

USCOMM-DC 5087

10666

DESCRIPTIVE REPORT - DATA RECORD

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T - 10666

Project No. (II): **Ph-161** Quadrangle Name (IV):

Field Office (11): 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 (11): 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 (MSL) elevations: 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): INIGUES RM. 1908

Lat.: 38° 09' 34.979" (1078.5 m) Long.: 76° 26' 17.192" (418.5 m)

Adjusted
~~Chordhurst~~

Plane Coordinates (IV):

State:

Zone:

$$Y \cong$$

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 through
September 1958

Planetable contouring by (II): Inapplicable

Date:

Completion Surveys by (II):

Date:

Mean High Water Location (III) (State date and method of location): 11/12/55, supplemented by
1958 photography (Photogrammetric)

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

Date: 11/10/58

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

Date: 11/12/58

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

Date: 5/29/59

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

Date: 5/29/59

~~Revised~~ for Stereoscopic
Control extension by (III):

Willard Kuncis

Date: May 1959

Stereoscopic Instrument compilation (III):

Planimetry J. C. Richter

Date: 7/30/59

~~Contours~~

Date:

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

J. C. Gregan

Date: 8/11/61

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

Date: 12/30/60

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

Date:

DESCRIPTIVE REPORT - DATA RECORD

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

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Number	Date	PHOTOGRAPHS (III)		Scale	Stage of Tide
		Time (E.S.T.)			
55-W-2348 thru 2350	11/12/55	12:49		1:30,000	1.4' above MLW
2362 and 2363	"	13:04		"	1.4' " "
2399	"	13:57		"	1.1' " "
2414	"	14:23		"	0.9' " "
58-S-6399	8/5/58	13:21		1:40,000	0.6' " "

Tide (III)
(From predicted tables)

Reference Station: Washington, D. C.
Subordinate Station: Kitts Point, Maryland
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): 8

Shoreline (More than 200 meters to opposite shore) (III): 18.5 statute miles

Shoreline (Less than 200 meters to opposite shore) (III): 3.8 " "

Control Leveling - Miles (II): Inapplicable

Number of Triangulation Stations searched for (II): 24

Recovered: 4

Identified: 2

Number of BMs searched for (II): None

Recovered:

Identified:

Number of Recoverable Photo Stations established (III): 2

Number of Temporary Photo Hydro Stations established (III): None

Remarks:

SCALE FACTOR 1.000

1 FT. = 3048006 METER	COMPUTED BY: J. Steinberg	DATE: 12/1/58	CHECKED BY: H. P. Eichert	DATE: 12/1/58	COMM. DC-57843
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The photogrammetric plot report and field report for this survey are part of the Descriptive Report for survey No. T-10651.

31. DELINEATION

The Kelsh Plotter (with 1955 photography) was used for delineation and supplemented with the 1958 photography.

32. CONTROL

Horizontal control was adequate. Vertical control is inapplicable. Station ROD (PRIESTS HOUSE) 1908 was not held in the stereoplanigraph bridge. The field party reported that the lightning rod is gone but the center ventilator was recovered. The plotted geographic position falls on the largest building on the point when the photograph is held to adjacent detail. It is believed that this station has been misidentified and may still be recoverable.

33. SUPPLEMENTAL DATA

Geographic Name Standard, dated June 19, 1959.

34. CONTOURS AND DRAINAGE

Contours are inapplicable.

The field inspection for interior drainage is incomplete for this manuscript. Considering that practically all drainage is obscured by heavy trees and since a positive photo-interpretation could not be accomplished, the drainage from the quadrangle A.M.S., sheet 5760 III N.W., St. Marys City, Maryland, was accepted and added to this manuscript. Some of the smaller drainage branches were omitted in order to have a more consistent drainage pattern throughout the entire project.

35. SHORELINE AND ALONGSHORE DETAILS

All shoreline detail is from field inspection which was adequate.

Shallow lines and low water lines were taken from field inspection.

In a few areas the narrow fringes of marsh and grass-in-water indicated by the field man were too small to be shown. These areas were delineated as fast shoreline.

36. OFFSHORE DETAILS

Two duck blinds delineated from Sextant fixes.

37. LANDMARKS AND AIDS

- | | |
|------------------------------|-----------------------------------|
| 1 Landmark | - Submitted on Form 567, 3/14/60. |
| 6 Non-floating Aids (Lights) | - " " " " " |
| 2 Range Markers | - Not on Form 567. |

Refer to paragraph 37, Descriptive Report for survey T-10672 for information about St. George Creek Lts. 3 and 6.

38. CONTROL FOR FUTURE SURVEYS

- 4 Topographic stations.

A list of these stations is in paragraph 49. 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. JUNCTION

Junctions have been made as follows:

- To the north with T-10659.
- To the south with T-10672.
- To the east with T-10667.
- To the west with T-10665.

40. HORIZONTAL AND VERTICAL ACCURACY

No comment.

41. BOUNDARIES

The boundary line for the State Wildlife Refuge was delineated using information from field photograph 55-W-2349.

42. through 45.

Inapplicable.

46. COMPARISON WITH EXISTING MAPS

A.M.S. Sheet 5760 III N.W., St. Marys City, Maryland, scale 1:25,000 revised in 1946, 3rd edition dated 1950.

This map is based on Bureau survey T-8138.

47. COMPARISON WITH NAUTICAL CHARTS

Chart No. 557, 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.

Respectfully submitted



Edward L. Rolle
Carto. (Photo.)

Approved and forwarded



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

The four digit numbers on the field photographs and manuscripts are arbitrary numbers assigned to the pass points during the photogrammetric process and can be ignored by the hydrographic party on all manuscripts.

Refer to par. 8 of the attached field report for this area regarding the shallow lines delineated by the field party.

Several cultural features which may be of use as photo-hydro signals have been indicated by the field party and the Cartographic Branch in the Washington Office. These have been located on the manuscripts and shown with a pass point circle and a descriptive note or label.

The field inspection party labeled "grass in water areas" at numerous places along the shore but the limits are not definite enough for proper delineation. It is believed the hydrographic party would be in a better position at this time to select the limits of these areas to be mapped or charted.

T-10666

Station ROD (PRIESTS HOUSE) 1908 was not held in the bridge. The field party reported that the lightning rod is gone but the center ventilator was recovered. The plotted geographic position falls on the largest building on the point when the photograph is held to adjacent detail. It is believed this station has been misidentified and may still be recoverable.

At station TARKHILL 1908, the marsh island on which this station is located could not be delineated from the photographs.

At station PORTOBELLO LANDING WATER TOWER, 1908, no tower was recovered but the field party identified a cistern directly under this tower for photogrammetric purposes. Since no position is listed in the control index for this area, the following position determined in the Washington Office from an old datum is furnished:

Latitude	38° 10' 32.336"
Longitude	76° 27' 17.466"

At station BELLO, 1908, the field party indicated that recovery of the base of this station was made. The position of this station is being shown for possible use by the hydrographic party.

Copies of the recovery Forms 524 for stations MARY (1942) 1958 and SAT, 1942 (TOWER, 1958 on manuscript) are being furnished for possible use. Stations BARN, 1958 and SILO, 1958 were also located as recoverable topographic stations.

T-10667

Station TOW and ANT are photo-hydro signals identified by the field party.

T-10673

During the bridging operations, it was noted that sub. pt. for 16000 YARD REAR RANGE, 1919 (east of T-10673) did not hold. "This same point failed to hold in a radial plot in 1956 and therefore should not be used." (Stereotriangulation Report, Strip 26)

PHOTOGRAMMETRIC OFFICE REVIEW

T- 10666

1. Projection and grids ☒ 2. Title ☒ 3. Manuscript numbers ☒ 4. Manuscript size ☒
5a. 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. Rolfe Henry P. 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:

St. George Island Creek Lights

1 Dec. 1959 2, 3, and 6

from Photo Point 65-1

This photo point was a positive recovery.

⌞ @ P.P. 65-1

Az. Piney Point Tank, 1942-00-00-00 ✓

Lt. 8 as Az.

St. George Cr. Lt. 8 167-28-01 ✓ 00-00-00

St. George Cr. Lt. 3 188-48-45 ✓ 21-20-44

St. George Cr. Lt. 6 190-10-53 ✓ 22-42-52

St. George Cr. Lt. 2 191-04-43 ✓ 23-36-42

obs. LZW

✓ PCS

~~TOPO.~~

FORM (8-1)		U.S. DEPARTMENT OF COMMERCE COAST AND GEODETIC SURVEY		MAP NO. T-10660
CONTROL STATION IDENTIFICATION				PHOTO NO. 65-W-2350
STATION Photo Point 66-2a				PROJECT NO. PH 161
STATE Md.	COUNTY St. Mary's	SKETCH		
IDENTIFIED BY GFW	DATE 31 Dec. 1959			
ACCURACY OF IDENTIFICATION Pos				
CHIEF OF PARTY G. F. W.				
REMARKS (Use reverse if necessary)				
Used to supplement P.P. 66-2, which was not positively recoverable				
INFORMATION REQUIRED FOR SUBSTITUTE STATION				
INST. STA.				
AZ. STA.				
TO STA.	R L	DISTANCE	FT. M.	

COMM. DG. 61172

St. George Island Creek Lights

31 Dec. 1959 2, 3, and 6

from Photo Point 66-2a (see pricking card)

Photo Point 66-2 was not a positive recoverable station and therefore Photo Point 66-2a was established.

⌒ @ P.P. 66-2a

Az. Piney Pt. Tank, 1942 - 00-00-00 ✓

St. Geo. Cr. Light 6 — 133-29-12 ✓

St. Geo. Cr. Light 3 — 149-13-51 ✓

St. Geo. Cr. Light 2 — 162-33-36 ✓

obs. BZW

✓ P.C.S.

St. George Island Creek Lights

30 Dec. 1959 2, 3, and 6

From Photo Point 66-1

This photo pt. was a positive recovery. A small flag left by J.P.R. was recovered and the point was occupied

⌘ @ P.P. 66-1

Az. Piney Point Tank, 1942-

00-00-00 ✓

Lt. 8 as Az.

Geo. Cr. Lt. 8

15-50-14 ✓

00-00-00

St. Geo. Cr. Lt. 6

31-13-50 ✓

15-23-36

St. Geo. Cr. Lt. 3

74-21-02 ✓

58-30-48

St. Geo. Cr. Lt. 2

148-37-27 ✓

132-47-13

abs. 67W

✓ P.C.S.

St. George Isl. Creek Lights

Dec. 1959 2, 3, and 6

from Photo Point 72-1

This photo point was a positive recovery, but the exact point of recovery was less definite than the other 3 points used for the location of these lights.

^ @ P.P. 72-1

Az. St Geo. Cr. Lt. 8 — 0-00-00 ✓

St. Geo. Cr. Lt. 6 — 07-28-31 ✓

St. Geo. Cr. Lt. 3 — 28-27-01 ✓

St. Geo. Cr. Lt. 2 — 121-48-03 ✓

obs. B7W

✓ P.C.S.

48. Geographic Names:

Adams Creek

Barnes Cove

Buzzard Point

Calloway Landing

Carthage Creek

Carthage Flats

Cedar Landing

Cedar Point

Chancellor Point

Cherryfield Point

Cherryfield Pond

Coade Bar

Coade Point

Cooper Creek

Deep Point

Dennis Point

Dodson Point

Drayden

Edmund Point

Fodder House Cove

Fort Point

Goose Point

Graveyard Point

Josh Point

Orchard Point

Pine Landing

Portobello

Portobello Point

Price Cove

Priests Point

Rose Croft Point

Schoolhouse Branch

St. George Creek

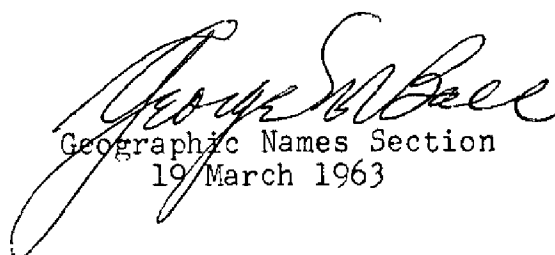
St. George Island

St. Marys River

T-10666

Tarkill Cove
Tarkill Point
Taylor Cove
Taylor Point
The Villa
Thompson Creek

Walnut Point
West St. Marys
Wheatley Creek
Windmill Point
Wreck Cove


Geographic Names Section
19 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 L. Lamm
Chief, Cartographic Branch

Louis G. Taylor
Chief, Nautical Charts Division

J. E. Waugh 6/13/63
Chief, Photogrammetry Division

Harold D. Connelley
Chief, Operations Division

