### Descriptive Report

**Type of Survey:** Planimetric

**Field No.:** Ph-161  **Office No.:** T-10666

<table>
<thead>
<tr>
<th>LOCALITY</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>State:</strong> Maryland</td>
</tr>
<tr>
<td><strong>General locality:</strong> Potomac River</td>
</tr>
<tr>
<td><strong>Locality:</strong> Portobello</td>
</tr>
</tbody>
</table>

**Date:** 1955-1958

**Chief of Party:**
- James P. Randall, Chief of Party
- W. E. Randall, Baltimore District Officer

**Library & Archives**

**Date:**

---

**Form 804**

**U.S. Department of Commerce**

**Coast and Geodetic Survey**

**Diag. Chnt. No. 7766.**

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**Original**
DESCRIPTIVE REPORT - DATA RECORD

T - 10666

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

Field Office (II): Leonardtown, Maryland  Chief of Party: James F. Randall
Photogrammetric Office (III): Baltimore, Maryland  Officer-in-Charge: William E. Randall

Instructions dated (II) (III): 9/16/57 - 73/rab  Copy filed in Division of
Ltr from Ch. Photo. Div. 7/23/58 - 73/rrj Photogrammetry (IV)

Method of Compilation (III): Kelsh Plotter

Manuscript Scale (III): 1:10,000  Stereoscopic Plotting Instrument Scale (III): 1:16,000
Scale Factor (III): 1.000  (Pantograph ratio 3/5)

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):

Reference Station (III): INGOES RM. 1908  Elevations shown as (g) refer to sounding datum
Lat.: 38° 09' 31.979" (1078.5 m)  Elevations shown as (M) refer to mean high water
Long.: 76° 26' 17.192'' (418.5 m)  i.e., mean low water or mean lower low water

Plane Coordinates (IV):  Adjusted
State:  X=
Zone:  Y=

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

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

Date: June 1958 through September 1958

Planetary contouring by (II): Inapplicable

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

Stereoscopic: Willard Kuncis

Date: May 1959

Control extension by (III):

Stereoscopic Instrument compilation (III): Pianimetry J. C. Richter

Date: 7/30/59

Manuscript scribed by (III): J. C. Cregan

Date: 8/11/61

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

Date: 12/30/60

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

Date:
DESCRIPTIVE REPORT - DATA RECORD

Camera (kind or source) (III):

PHOTOGRAPHS (III)

<table>
<thead>
<tr>
<th>Number</th>
<th>Date</th>
<th>Time (E.S.T.)</th>
<th>Scale</th>
<th>Stage of Tide</th>
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</thead>
<tbody>
<tr>
<td>55-W-2348 thru 2350</td>
<td>11/12/55</td>
<td>12:19</td>
<td>1:30,000</td>
<td>1.4' above MLW</td>
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<tr>
<td>2362 and 2363</td>
<td></td>
<td>13:04</td>
<td>&quot;</td>
<td>1.4' &quot; &quot;</td>
</tr>
<tr>
<td>2399</td>
<td></td>
<td>13:57</td>
<td>&quot;</td>
<td>1.1' &quot; &quot;</td>
</tr>
<tr>
<td>2494</td>
<td></td>
<td>14:23</td>
<td>&quot;</td>
<td>0.9' &quot; &quot;</td>
</tr>
<tr>
<td>58-E-6399</td>
<td>8/5/58</td>
<td>13:21</td>
<td>1:40,000</td>
<td>0.6' &quot; &quot;</td>
</tr>
</tbody>
</table>

Tide (III) (From predicted tables)

<table>
<thead>
<tr>
<th>Ratio of</th>
<th>Mean</th>
<th>Spring</th>
</tr>
</thead>
<tbody>
<tr>
<td>Range</td>
<td>Range</td>
<td>Range</td>
</tr>
<tr>
<td>2.9'</td>
<td>3.3'</td>
<td>1.5'</td>
</tr>
<tr>
<td>0.52</td>
<td>1.7'</td>
<td></td>
</tr>
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</table>

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

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): 3.6
Control Leveling - Miles (II): Inapplicable
Number of Triangulation Stations searched for (II): 24
Number of BMs searched for (II): None
Number of Recoverable Photo Stations established (III): Recovered: 4
Number of Temporary Photo Hydro Stations established (III): Identified: 2

Remarks:
<table>
<thead>
<tr>
<th>STATION</th>
<th>SOURCE OF INFORMATION (INDEX)</th>
<th>DATUM</th>
<th>LATITUDE OR y-COORDINATE</th>
<th>DISTANCE FROM GRID IN FEET, OR PROJECTION LINE IN METERS</th>
<th>DATUM CORRECTION</th>
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</thead>
<tbody>
<tr>
<td>ROD (PRIESTS HU.) 1908</td>
<td>MD p. 104</td>
<td>N.A. 1927</td>
<td>115,903.53</td>
<td>960,786.58</td>
<td></td>
</tr>
<tr>
<td>BELLO, 1908</td>
<td>p. 105</td>
<td>&quot;</td>
<td>124,911.38</td>
<td>957,713.50</td>
<td></td>
</tr>
<tr>
<td>TARKHILL, 1908</td>
<td>p. 122</td>
<td>&quot;</td>
<td>114,200.34</td>
<td>945,027.01</td>
<td></td>
</tr>
<tr>
<td>PORTOBELLO LANDING</td>
<td>I.M sheet</td>
<td>&quot;</td>
<td>125,131.5</td>
<td>956,723.3</td>
<td></td>
</tr>
<tr>
<td>WATER TOWER, 1908</td>
<td>&quot;</td>
<td>&quot;</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>INIGOS R.M. (MSFC) 1908</td>
<td>MD p. 301</td>
<td>&quot;</td>
<td>119,358.65</td>
<td>961,572.26</td>
<td></td>
</tr>
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</table>
The photogrammetric plot report and field report for this survey are part of the Descriptive Report for survey No. T-10651.

31. DECLINATION

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-5138.
17. COMPARISON WITH NAUTICAL CHARTS


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
NOTES TO HYDROGRAPHIC PARTY
T-10666, T-10667, T-10673

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 (PRIEST'S 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 LAUGING 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' 17.456"

At station BELLH, 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 EDLO, 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." (terrestrial triangulation Report, Strip 26)
PHOTOGRAMMETRIC OFFICE REVIEW

T- 10666

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 x 8. Bench marks x

ALONGSHORE AREAS
(Nautical Chart Data)

PHYSICAL FEATURES

CULTURAL FEATURES

BOUNDARIES
31. Boundary lines ✓ 32. Public land lines x

MISCELLANEOUS
40. Reviewer: Edward L. Yollolls
Supervisor, Review Section or Unit: Henry A. Reynolds

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. Pinney Point Tank, 1942-00-00-00

Lt. 8 @ 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  23-30-42

Lat. 27W

\( \checkmark \) pcs
**CONTROL STATION IDENTIFICATION**

**Photo Point 66-2a**

**STATE**
- Md

**COUNTY**
- St. Mary's

**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**

**AZ. STA.**

**ETO STA**

**R**

**DISTANCE**

**L**

**M.**

**Sketch**

- Potomac River
- OPEN FIELD
- MHWL
- Ditch
- Little Brook
- Forbes P. 66-2
- Fences

**MAP NO.**
- T-10460

**PHOTO NO.**
- 65-W-2350

**PROJECT NO.**
- PH 161
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.

A @ P.P. 66-2a

Az. Piney Pt. Tank, 1942 - 00-00-00

St. Geo. Cr. Light 2 – 133-29-12

St. Geo. Cr. Light 3 – 149-13-51

St. Geo. Cr. Light 2 – 162-33-36

obs. S2N

✓ P.C.S.
St. George Island Creek Lights

30 Dec. 1959  2, 3, and 6

from Photo Point 66-1

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

A @ P.P. 66-1

Az. Piney Point Tank, 1942—

00-00-00

Lt. 8 as Az.

St. 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


ls. 67M

P.C.S.
St. George Isl. Creek Lights
0 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.

A @ 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

 slowdown

S.F., S.

wax

p.s.
48. **Geographic Names:**

Adams Creek
Barnes Cove
Buzzard Point
Calloway Landing
Carthagea Creek
Carthagenas 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
Fine Landing
Portobello
Portobello Point
Price Cove
Priests Point
Rose Croft Point
Schoolhouse Branch
St. George Creek
St. George Island
St. Marys River
Tarkill Cove
Tarkill Point
Taylor Cove
Taylor Point
The Villa
Thompson Creek

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

[Signature]
Geographic Names Section
19 March 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

<table>
<thead>
<tr>
<th></th>
<th>Scale</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>T-8137</td>
<td>1:20,000</td>
<td>1943</td>
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<tr>
<td>T-8138</td>
<td>1:20,000</td>
<td>1943</td>
</tr>
<tr>
<td>T-8139</td>
<td>1:20,000</td>
<td>1943</td>
</tr>
<tr>
<td>T-8147</td>
<td>1:20,000</td>
<td>1943</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Agency</th>
<th>Scale</th>
<th>Agency</th>
<th>Date</th>
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</thead>
<tbody>
<tr>
<td>Piney Point, Md.</td>
<td>1:24,000</td>
<td>U.S.G.S.</td>
<td>1943</td>
</tr>
<tr>
<td>St. Marys City, Md.</td>
<td>1:24,000</td>
<td>U.S.G.S.</td>
<td>1943</td>
</tr>
<tr>
<td>St. George Island, Md.</td>
<td>1:24,000</td>
<td>U.S.G.S.</td>
<td>1943</td>
</tr>
</tbody>
</table>

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

64. Comparison with Contemporary Hydrographic Surveys

<table>
<thead>
<tr>
<th>Survey</th>
<th>Scale</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>H-8547</td>
<td>1:10,000</td>
<td>1960</td>
</tr>
<tr>
<td>H-8548</td>
<td>1:10,000</td>
<td>1960</td>
</tr>
<tr>
<td>H-8550</td>
<td>1:10,000</td>
<td>1960</td>
</tr>
</tbody>
</table>

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

Approved by:

[Signatures]

Chief, Cartographic Branch

Chief, Nautical Charts Division

Chief, Photogrammetry Division

Chief, Operations Division
**INSTRUCTIONS**

A basic hydrographic or topographic survey supersedes all information of like nature on the uncorrected chart.

1. Letter all information.
2. In "Remarks" column cross out words that do not apply.
3. Give reasons for deviations, if any, from recommendations made under "Comparison with Charts" in the Review.

<table>
<thead>
<tr>
<th>CHART</th>
<th>DATE</th>
<th>CARTOGRAPHER</th>
<th>REMARKS</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>101-5C</td>
<td>10/12/63</td>
<td>L. Van Zant</td>
<td>Full Part Before After Verification Review Inspection Signed Via Drawing No.</td>
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<tr>
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