Type of Survey | Planimetric
---|---
T-10923 and
Field No. Ph-5901 | Office No. T-10924

LOCALITY
State | Maryland - Virginia
General locality | Potomac River
Locality | Colonial Beach & Popes Creek

1958-59

CHIEF OF PARTY
G.F. Wirth, Photo, Party 723
W.E. Randall, Baltimore Dist. Officer

LIBRARY & ARCHIVES
DATE | April 1964
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<th>Completion Date</th>
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DESCRIPTIVE REPORT - DATA RECORD

T-10923 and T-10924

Project No. (II): Ph-5901 Quadrangle Name (IV):

Field Office (II): Dahlgren, Virginia Chief of Party: George F. Wirth
Photogrammetric Office (III): Baltimore, Maryland Officer-in-Charge: William E. Randall

Instructions dated (II) (III): 28 January 1959 Copy filed in Division of
15 May 1959
29 June 1959
13 June 1960 Photogrammetry (IV)

Method of Compilation (III): Graphic
Manuscript Scale (III): 1:10,000 Stereoscopic Plotting Instrument Scale (III):
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): MD-VA BOUNDARY MONUMENT NO. 26, 1929 Adjusted
Lat.: 38° 12' 29.359" (905.2 m) Long.: 76° 56' 57.113" (1396.9 m)

Plane Coordinates (IV): State: Virginia Zone: North
Y = 200,950.32 x = 2,445,573.02

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)
Field Inspection by (II): George F. Wirth  
   J. E. Tolodziecki  
   Date: April 1959 and May 1959

Planetable contouring by (II):  
   Date:

Completion Surveys by (II):  
   Date:

Mean High Water Location (III) (State date and method of location): 1959 inspection on 1958 photographs.

Projection and Grids ruled by (IV): J. Keefer  
   Date: 5/12/60

Projection and Grids checked by (IV):  
   Date:

Control plotted by (III): J. Steinberg  
   Date: 7/7/60

Control checked by (III): J. Mooney  
   Date: 7/7/60

Radial Plot data: H. R. Rudolph  
   Date: 8/16/60

Planimetry

Stereoscopic Instrument compilation (III):  
   Contours  
   Date:

Manuscript delineated by (III): J. Y. Councill  
   Date: 11/22/60

Manuscript scribed by: R. M. Whitson  
   Date: 3/14/61

Photogrammetric Office Review by (III): R. Glaser  
   Date: 11/28/60

Elevations on Manuscript checked by (II) (III):  
   Date:
FIELD INSPECTION BY (II): George F. Wirth
                      J. E. Tolodziecki

PLANETABLE CONTOURING BY (II):

COMPLETION SURVEYS BY (II):

MEAN HIGH WATER LOCATION (III) (State date and method of location): 1959 inspection on 1958 photographs.

PROJECTION AND GRIDS RULED BY (IV): J. Keefer
                           Date: 5/12/60

PROJECTION AND GRIDS CHECKED BY (IV):

CONTROL PLOTTED BY (III): J. Steinberg
                           Date: 7/7/60

CONTROL CHECKED BY (III): J. Mooney
                           Date: 7/7/60

RADIAL PLOT

STEREOSCOPY INSTRUMENT COMPILATION (III):
                       Planimetry
                       Contours
                           Date:

MANUSCRIPT DELINEATED BY (III): J. Y. Councill
                           Date: 9/26/60

MANUSCRIPT SCRIBED BY: R. F. Carr
                           Date: 1/27/61

PHOTOGRAHMNETRIC OFFICE REVIEW BY (III): R. Glaser
                           Date: 11/28/60

ELEVATIONS ON MANUSCRIPT
CHECKED BY (II) (III):

COMM. DC-57842
T-10926

Camera (kind or source) (III): "W" and nine-lens Camera.

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<td>0.2 ft above MLW</td>
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Tide (III)

From predicted tide tables

Reference Station: Washington, D. C.
Subordinate Station: Colonial Beach, Virginia

Ratio of Ranges | Mean Range | Spring Range
----------------|------------|--------------
2.9             | 3.3        |              

Date: 3-7-63

Final Drafting by (IV):
Date:

Drafting verified for reproduction by (IV):
Date:

Proof Edit by (IV):
Date:

Land Area (Sq. Statute Miles) (III): 1/4
Shoreline (More than 200 meters to opposite shore) (III): 5.2 mi.
Shoreline (Less than 200 meters to opposite shore) (III): 1.4 mi.

Control Leveling - Miles (II):
Number of Triangulation Stations searched for (II): 1
Recovered: 1
Identified: 1
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:

Two topographic stations established in 1942 were searched for, but not found.
T-10924
DESCRIPTIVE REPORT - DATA RECORD

Camera (kind or source) (II): USC&GS Nine-lens camera

PHOTOGRAPHS (III)

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Tide (III) From predicted Tide Tables

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<td>.55</td>
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<td></td>
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Reference Station: Washington, D.C.
Subordinate Station: Colonial Beach, Va.

F I N A L
Date: 3/14/63

Final Drafting by (IV):

Drafting verified for reproduction by (IV):

Proof Edit by (IV):

Land Area (Sq. Statute Miles) (III): 2
Shoreline (More than 200 meters to opposite shore) (III): 4 mi.
Shoreline (Less than 200 meters to opposite shore) (III): 1 mi.
Control Leveling - Miles (II):
Number of Triangulation Stations searched for (II): None
Number of BMs searched for (II): None
Number of Recoverable Photo Stations established (III): None
Number of Temporary Photo Hydro Stations established (III): None

Remarks:
* Three previously established recoverable topographic stations searched for; two recovered and identified. (See Forms 52h)

COMM-DC-57842
### Official Mileage for Cost Accounts

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<th>Lin. Mi. Shoreline</th>
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**A.A.S. -- Area 774 Sq. Ml. Shoreline 884 Ml.**
Planimetric maps T-10923 and T-10924 are part of Project Ph-5901 which consists of 24 planimetric maps and one shoreline survey. These maps cover a section of the Virginia shore of the Potomac River from just below the mouth of Popes Creek to Colonial Beach and include Monroe Creek, Mattox Creek and a portion of Popes Creek. This is a graphically compiled project at a scale of 1:10,000 in advance of hydrographic surveys to be made in the area. The area was covered by 9-lens photography of May 1958, supplemented by single lens "W" photography of October 1959. The manuscripts were controlled by radial plot using Stereoplanigraph bridge points to supplement field identified control. The field operations preceding compilation included complete field inspection, recovery and identification of horizontal control, landmarks, aids to navigation and recovery of formerly established recoverable topographic stations. The manuscripts are vinylite sheets 3-3/4' in latitude by 3-3/4' in longitude which were scribed and reproduced on cronaflex following photogrammetric office review. The registered copies under T-10923 and T-10924 will consist of a cronar film positive and a cronar film negative of each scribed manuscript.
<table>
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<th>DATUM</th>
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<th>LONGITUDE OR x-COORDINATE</th>
<th>DISTANCE FROM GRID IN FEET, OR PROJECTION LINE IN METERS</th>
<th>DATUM CORRECTION</th>
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1 FT. = 0.3048006 METER

COMPUTED BY: J. Steinberg       DATE: 6/28/60
CHECKED BY: H. R. Rudolph       DATE: 6/29/60

COMM: DC-57843
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1 ft. = 304.8006 meters
COMPUTED BY: J. Steinberg  
DATE: 6/28/60
CHECKED BY: H. R. Rudolph  
DATE: 6/29/60
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1 ft = 304.8006 meters

The field inspection report covering the area of these surveys will be found with Descriptive Report T-10926, T-10927.

The photogrammetric plot report is part of Descriptive Report T-10926, T-10927.

31. **DELINEATION**

   Delineation of these map manuscripts was by graphic methods.

32. **CONTROL**

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

   Triangulation stations 17 (KG) 1954, 17 (NFG) 1954, 21 (KB) 1954 and 21 (NFG) 1954 have been omitted from the manuscript because they were too close to Coast and Geodetic Survey stations.

33. **SUPPLEMENTAL DATA**

   For geographic names an annotated USGS quadrangle, Wakefield, Va., Md. was used.

34. **CONTOURS AND DRAINAGE**

   Contours: Not applicable.
   Drainage: No comment.

35. **SHORELINE AND ALONGSHORE DETAILS**

   The shoreline inspection was adequate.

   No low-water lines were furnished by the field party. The low-water detail at the mouth of Popes Creek was by office interpretation.

36. **OFFSHORE DETAILS**

   No comment.

37. **LANDMARKS AND AIDS**

   Forms 567 are herewith submitted for two landmarks and four aids to navigation.
38. CONTROL FOR FUTURE SURVEYS

Forms 52h are herewith submitted for six (6) previously established recoverable topographic stations. No notes are considered necessary for the hydrographer and item 49 is omitted.

39. JUNCTIONS

Junction has been made and is in agreement between T-10923 and T-10924. Junction has also been made and is in agreement to the north with T-10920 and to the south with T-10926. There is no contemporary survey to the west and an all water area to the east.

40. HORIZONTAL AND VERTICAL ACCURACY

No comment.

41. through 45.

Not applicable.

46. COMPARISON WITH EXISTING MAPS

USGS quadrangle Wakefield, Va.-Md., scale 1:24,000, dated 1953.

47. COMPARISON WITH NAUTICAL CHARTS

These planimetric map manuscripts have been compared with nautical chart No. 558, scale 1:40,000 published 11/16/59 corrected through Notes to Mariners, No. 27, July 2, 1960.

Items to be applied to nautical charts immediately: None.

Items to be carried forward: None.

Respectfully submitted
23 November 1960

Judson Y. Coundill
Carto. Aid

Approved and Forwarded

William E. Randall
CDR, C&GS
Baltimore District Officer
PHOTOGRAMMETRIC OFFICE REVIEW
T. 10923 R 7-10924


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   


ALONGSHORE AREAS
(Nautical Chart Data)

PHYSICAL FEATURES

CULTURAL FEATURES

BOUNDARIES
31. Boundary lines   32. Public land lines   

MISCELLANEOUS

Review   Supervisor, Review Section of Unit

40. Reviewer    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.

43. Remarks:
61. **GENERAL STATEMENT**

See summary accompanying Descriptive Report.

62. **COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS**

T-10923 and T-10924:

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<td>8142</td>
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T-10923 and T-10924 supersede the above prior surveys for nautical chart construction.

63. **COMPARISON WITH MAPS OF OTHER AGENCIES**

U.S.G.S. Wakefield, Va.-Md. 1:24,000 1953

64. **COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS**

T-10923:

H-8614  1:10,000  1961 (Unverified Smooth Sheet)

A small wreck shown on the manuscript in a cove north of Robins Grove Point is not on the hydro sheet. No other significant differences were noted.

T-10924:

H-8614  1:10,000  1961 (Unverified Smooth Sheet)

This hydrographic survey covers only a small portion of the manuscript. No differences exist.

H-8611  1:10,000  1961 (Boat Sheet)

No significant discrepancies were found to exist between the boat sheet and the manuscript.

65. **COMPARISON WITH NAUTICAL CHARTS**


T-10923:

The manuscript and chart are in disagreement concerning placement of geographic names HIGH POINT and HOG POINT. These names were placed on the manuscript to agree with the final name sheet, annotated on the Wakefield, Va.-Md quadrangle. Also, the name EVANS POINT on the manuscript reads EVANS ISLAND on the chart.
The general configuration of the shoreline on the chart is in good agreement with the manuscript.

The chart shows a considerable number of bluffs which are not on the manuscript. A 25-foot bluff on the manuscript southeast of Church Point is not on the chart.

A large boat shed at Gum Bar Point is not on the chart.

T-1092:
General good agreement exists between the chart and the manuscript.

Several bluffs of possible importance to navigation are shown on the manuscript but not on the chart.

The word "Vault" is shown on the chart just east of Bridges Creek. However, there is no feature delineated on the chart to which the word would apply. Apparently the reference is to the historical George Washington Family Cemetery. It is recommended this item be clarified or omitted from the chart. This name is The Vault, dating back to 1777, alluding to the Washington plot. The word will be added to the name on chart Sept. A.J.W.

66. ADEQUACY OF RESULTS AND FUTURE SURVEYS

These surveys comply with instructions and meet the National Standards of map accuracy.

Reviewed by

R. Glaser

R. Glaser

Approved by

J. W. Roberson

Baltimore District Officer

Approved by

L. L. Land

Chief, Review Section

Approved by

J. E. Waugh

Chief, Photogrammetry Division

4/8/67
LANDMARKS FOR CHARTS

Baltimore, Maryland 6 January 1961

I recommend that the following objects which have been inspected from seaward to determine their value as landmarks be charted on the charts indicated.

The positions given have been checked after listing by

R. Glaser

William E. Randall
Chief of Party

<table>
<thead>
<tr>
<th>STATE</th>
<th>VIRGINIA</th>
<th>Charting Name</th>
<th>Description</th>
<th>Signal Name</th>
<th>Latitude</th>
<th>Longitude</th>
<th>Datum</th>
<th>Method of Location and Survey No.</th>
<th>Date of Location</th>
<th>Charts Affected</th>
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<tr>
<td></td>
<td></td>
<td>TANK</td>
<td>COLONIAL, 1927 (old grey) Elevated - ht=102 (107)</td>
<td>38 14</td>
<td>925.6</td>
<td>76 57</td>
<td>1212.6</td>
<td>1927</td>
<td>Triang. 5/27/59</td>
<td>x</td>
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<tr>
<td></td>
<td></td>
<td>CUPOLA</td>
<td>Colonial Beach, on house ht= 52 (59)</td>
<td>38 14</td>
<td>612</td>
<td>76 57</td>
<td>689</td>
<td>Photo</td>
<td>Flot</td>
<td>x</td>
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</tbody>
</table>

This form shall be prepared in accordance with Hydrographic Manual, pages 800 to 804. Positions of charted landmarks and nonfloating aids to navigation, if redetermined, shall be reported on this form. Revisions shall show both the old and new positions. The data should be considered for the charts of the area and not by individual field survey sheets. Information under each column heading should be given.
I recommend that the following objects which have been inspected from seaward to determine their value as landmarks be charted on the charts indicated.

The positions given have been checked after listing by R. Glaser

William E. Randall
Chief of Party

<table>
<thead>
<tr>
<th>STATE</th>
<th>VIRGINIA-MARYLAND</th>
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<tr>
<td>CHARTING NAME</td>
<td>DESCRIPTION</td>
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<tr>
<td>LT.</td>
<td>MATTOX CREEK LIGHT</td>
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<tr>
<td>LT.</td>
<td>MONROE CREEK ENT. LT. NO. 2</td>
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<td>DAVEN</td>
<td>MATTOX CREEK DAYBN 3</td>
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<tr>
<td>LT.</td>
<td>MONROE CREEK LIGHT 6 **</td>
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*Field identification - photograph 57335
**Identified as Lt. "SA" (Renumbered, N.M. No. 36, 1959)

This form shall be prepared in accordance with Hydrographic Manual, pages 800 to 804. Positions of charted landmarks and non-floating aids to navigation, if redetermined, shall be reported on this form. Revisions shall show both the old and new positions. The data should be considered for the charts of the area and not by individual field survey sheets. Information under each column heading should be given.

* TABULATE SECONDS AND METERS
48. Geographic Name List

Bridges Creek
Bridges Creek Cove
Burnt House Cove
Burnt House Point

Church Point
Colonial Beach
Columbia Cove

Devils Reach
Dickson Point
Digwood Swamp
Doctor Point

Evans Point
Fox Point

Gum Bar Point

Haywood
High Point (2)
Hog Point

Indiantown

Laurel Grove
Longwood Swamp
Low Point

Massey Wharf
Mattox Creek
Monroe Bay
Monroe Creek
Monroe Hall
Muses Beach

Negro Point

Paynes Point
Popes Creek
Popes Creek Landing
Potomac River

Robins Grove Point

Sebastian Point
Sheep Point
Springfield
Stave Landing

Trotts Point
The Vault
Wakefield National Park
Winkedoodle Point
Wirt Wharf
Wirts Mill

Geographic Names Section
11 July 1963
# 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.

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<thead>
<tr>
<th>CHART</th>
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<th>REMARKS</th>
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