
Form 504
U. S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT

<table>
<thead>
<tr>
<th>Type of Survey</th>
<th>Planimetric</th>
</tr>
</thead>
<tbody>
<tr>
<td>Field No.</td>
<td>Ph-161</td>
</tr>
<tr>
<td>Office No.</td>
<td>T-10669</td>
</tr>
</tbody>
</table>

**LOCALITY**

<table>
<thead>
<tr>
<th>State</th>
<th>Virginia</th>
</tr>
</thead>
<tbody>
<tr>
<td>General locality</td>
<td>Potomac River</td>
</tr>
<tr>
<td>Locality</td>
<td>Hague</td>
</tr>
</tbody>
</table>

1955-1958

**CHIEF OF PARTY**

Joseph K. Wilson, Chief of Party
W. E. Randall, Baltimore District Officer

**LIBRARY & ARCHIVES**

**DATE**

JUL 17 1963
DESCRIPTIVE REPORT - DATA RECORD

T -10669

Project No. (II): Ph-161

Quadrangle Name (IV):

Field Office (II): Callao, Virginia

Chief of Party: Joseph K. Wilson

Photogrammetric Office (III): Baltimore District Office

Officer-in-Charge: W. E. Randall

Instructions dated (II) (III):

9/16/57, 73/rab

Director's ltr. dated 12/6/57, 73/rab

" " 5/5/58, 73/rr1

Ch, Photo Div. " " 7/23/58, 73/rr1

Asst. Director's " " 5/15/59, 73/rab

Copy filed in Division of Photogrammetry (IV)

Method of Compilation (III): Kelsby 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): JUN 25

Date reported to Nautical Chart Branch (IV):

Applied to Chart No. Date: Date registered (IV):

Publication Scale (IV):

Geographic Datum (III): N.A. 1927

Vertical Datum (III):

Mean sea level accepted as follows:

Elevations shown as (M) refer to mean high water
Elevations shown as (L) refer to sounding datum
i.e., mean low water or mean lower low water

Reference Station (III): KILM19 1932

Lat.: 38° 06' 06.724" (207.3) Long.: 76° 39' 09.282" (226.1)

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.
Areas contoured by various personnel
(Show name within area)
(II) (III)
Field Inspection by (II): Joseph K. Wilson

Planetable contouring by (II): Inapplicable

Completion Surveys by (II):

Mean High Water Location (III) (State date and method of location): 11/11/55 (date of photography)


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

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

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

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

Radial Plot or Stereoscopic
Control extension by (III):
George M. Ball

Planimetry D. M. Brant

Stereoscopic Instrument compilation (III):

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

scribed

Photogrammetric Office Review by (III):
J. C. Richter

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

Date: Sept. 1957 thru June 1958

Date:

Date:

Date: 11/3/58

Date: 11/12/58

Date: 12/8/58

Date: 12/8/58

Date: 9/10/58

Date: 1/27/59

Date: 11/16/60

Date: 1/15/60
DESCRIPTIVE REPORT - DATA RECORD

PHOTOGRAPHS (III)

<table>
<thead>
<tr>
<th>Number</th>
<th>Date</th>
<th>Time (EST)</th>
<th>Scale</th>
<th>Stage of Tide</th>
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<tr>
<td>55-W-22b4</td>
<td>11/11/55</td>
<td>12:40</td>
<td>1:30,000</td>
<td>1.7' above MLW</td>
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<tr>
<td>58-S-7497 and 7498</td>
<td>1/5/58</td>
<td>12:42</td>
<td>1:18,000</td>
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Tide (III) (From Predicted Tables)

<table>
<thead>
<tr>
<th>Ratio of Ranges</th>
<th>Mean Range</th>
<th>Spring Range</th>
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</thead>
<tbody>
<tr>
<td>2.9'</td>
<td>3.3'</td>
<td></td>
</tr>
<tr>
<td>0.62</td>
<td>1.3'</td>
<td>2.0'</td>
</tr>
<tr>
<td>0.65</td>
<td>1.9'</td>
<td>2.2'</td>
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Reference Station: Washington, D.C.
Subordinate Station: Coles Point, Virginia
Subordinate Station: Blakiston, Island

Washington Office Review by (IV):
Final Drafting by (IV):
Drafting verified for reproduction by (IV):
Proof Edit by (IV):

Land Area (Sq. Statute Miles) (III): 14
Shoreline (More than 200 meters to opposite shore) (III): 8 mi.
Shoreline (Less than 200 meters to opposite shore) (III): 4 mi.
Control Leveling - Miles (II): Inapplicable
Number of Triangulation Stations searched for (II): 14
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:
<table>
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<tr>
<th>STATION</th>
<th>SOURCE OF INFORMATION (INDEX)</th>
<th>DATUM</th>
<th>LATITUDE OR ( \phi ) -COORDINATE</th>
<th>LONGITUDE OR ( \lambda ) -COORDINATE</th>
<th>DISTANCE FROM GRID IN FEET. OR PROJECTION LINE IN METERS</th>
<th>N.A. 1927 - DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS</th>
<th>FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS</th>
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<td>VA p. 33</td>
<td>N.A. 1927</td>
<td>165.253.18</td>
<td>2535.076.38</td>
<td>2535.106.4</td>
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<td>VA p. 33</td>
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<td>HERBERT, 1932</td>
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<td>166.446.57</td>
<td>2535.461.75</td>
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COMPUTED BY: J. Steinberg  DATE: 1/21/58  CHECKED BY: H. F. Eichert  DATE: 12/10/58
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<th>STATION</th>
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</table>
The field inspection report and photogrammetric Plot report are bound with Descriptive Report for T-10661.

31. **DELINEATION**

The Kelsh Plotter was used for delineation on mylar projection.

32. **CONTROL**

Horizontal control was adequate.

33. **SUPPLEMENTAL DATA**

Geographic Names Standards, dated 6/19/59.

34. **CONTOURS AND DRAINAGE**

Contours - Inapplicable.
Drainage was delineated in accordance with the field inspection.

35. **SHORELINE AND ALONGSHORE DETAILS**

Shoreline inspection was adequate. Refer to Compilation Report for T-10661, paragraph 35.

36. **OFFSHORE DETAILS**

None.

37. **LANDMARKS AND AIDS**

Form 567 was submitted for one aid to navigation to be charted.
Refer to the descriptive report for survey T-10662.

38. **CONTROL FOR FUTURE SURVEYS**

Azimuth Mark CAREY, 1957 (RM 2) was located during compilation by Kelsh Plotter.

An incomplete copy of this survey was furnished along with an especially prepared set of ratio photographs showing shoreline passpoints for the use of the Hydrographic Party.
39. JUNCTIONS

Junction has been made with the following surveys:
To the north with survey No. T-10669.
To the east with survey No. T-10670.
To the west with survey No. T-10668.
There is no contemporary survey to the south of survey
No. T-10669.

40. HORIZONTAL AND VERTICAL ACCURACY

Horizontal control was adequate.
Vertical control - inapplicable.

41. to 45. Inapplicable.

46. COMPARISON WITH EXISTING MAPS

Corps of Engineers 7½ minute quadrangle, Machodoc, Virginia, scale
1:31,680. (Based on Bureau Survey T-3145 dated 1943).

47. COMPARISON WITH NAUTICAL CHARTS


Items to be applied to nautical charts immediately: None.
Items to be carried forward: None.

Respectfully submitted

Donald M. Brant
Carto. (Photo.)

Approved and forwarded

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

T-10669

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 alongshore cultural features

PHYSICAL FEATURES

20. Water features  
21. Natural ground cover  
22. Planetary 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. [Signature]
   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:

Compiler

Supervisor
48. Geographic Names:

Aimes Creek
Buena Vista Branch
Boyse Point
Cherry Orchard Point
Church Point
Coles Neck
Cupola Point
Doyle Cove
Drum Bay
Erica
Glebe Creek
Hague
Hanley Point
Harrison Point
Hester Cove
Kirk Point
Lee Creek
Lower Machodoc Creek
Machodoc Neck
Meter
Mount Pleasant Branch
Narrow Beach
Nigger Point
Parham Point
Plumb Point
Shorts Store
Tidwells
REVIEW REPORT  
Planimetric Maps  
D-10661 thru D-10664, D-10666 and D-10669  
May 1963

61. General Statement

These are six (6) planimetric maps of project 22-161 Loear Potomac River, Md. and Va. These maps were prepared to furnish shoreline and control for hydrographic surveys and base maps for nautical charts.

62. Comparison with Registered Topographic Survey

<table>
<thead>
<tr>
<th>Sheet</th>
<th>Scale</th>
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<tbody>
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<td>1943</td>
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<tr>
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<td>1:20,000</td>
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<td>1:20,000</td>
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<td>D-10664</td>
<td>1:20,000</td>
<td>1943</td>
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There are shoreline and cultural differences but in general, the agreement is good.

63. Comparison with Maps of Other Agencies

<table>
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<th>Agency</th>
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<tbody>
<tr>
<td>Stratford, Va.</td>
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<td>U.S.G.S. 1943</td>
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<tr>
<td>Monroeville, Va.</td>
<td>1:24,000</td>
<td>U.S.G.S. 1943</td>
</tr>
<tr>
<td>sherry Point, Md.</td>
<td>1:24,000</td>
<td>U.S.G.S. 1943</td>
</tr>
<tr>
<td>Machecoc, Va.</td>
<td>1:24,000</td>
<td>U.S.G.S. 1943</td>
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</table>

These maps are based on Bureau surveys listed under item 62.

64. Comparison with Contemporary Hydrographic Survey

<table>
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<td>H-8511</td>
<td>1:10,000</td>
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<td>H-8512</td>
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<td>H-8513</td>
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</table>

Shoreline and control of subject surveys was furnished prior to hydrography therefore there is good agreement except that at Poor Jack Creek and Malisea Marsh (D-10662) some shoreline changes have been applied to H-8512. These changes probably are due to the difference in the survey time.


66. Comparison with Nautical Charts

55S  1:40,000  Nov. 1962

There are no differences of importance between the chart and the subject 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.

Reviewed by:

[Signature]

L. E. Land

Approved by:

[Signature]  [Signature]

Chief, Cartographic Branch  Chief, Nautical Charts Division

[Signature]  [Signature]

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>
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<td>558</td>
<td>12-18-64</td>
<td>J. D. Mckee</td>
<td>Full Part Before After Verification Review Inspection Signed Via Drawing No.</td>
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