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-10659</td>
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</table>

<table>
<thead>
<tr>
<th>LOCALITY</th>
</tr>
</thead>
<tbody>
<tr>
<td>State</td>
</tr>
<tr>
<td>General locality</td>
</tr>
<tr>
<td>Locality</td>
</tr>
</tbody>
</table>

1955-1959

CHIEF OF PARTY
James P. Randall, Chief of Party
W. E. Randall, Baltimore District Officer

LIBRARY & ARCHIVES

DATE
DESCRIPTIVE REPORT - DATA RECORD

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 Chief, 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 (III): 1.000

Date received in Washington Office (IV): NOV 1 1961
Date reported to Nautical Chart Branch (IV):

Date: Date registered (IV):

Publication Scale (IV):
Publication date (IV):

Geographic Datum (III): N.A. 1927

Vertical Datum (III): MHW

Reference Station (III): MCCoy, 1908

Lat.: 38° 12' 44.881" (1383.8)m
Long.: 76° 28' 13.747" (3344.4)m

Plane Coordinates (IV):

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): 
James P. Randall 
Robert S. Tibbette 
Mathew A. Stewart 

Date: June thru September 1958

Planetable contouring by (II): Inapplicable

Completion Surveys by (II):

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: 11/20/58

Projection and Grids checked by (IV): R. D. Shoup
Date: 11/21/58

Control plotted by (III): D. M. Brant
Date: 3/12/60

Control checked by (III): H. F. Eichert
Date: 3/12/60

Stereoscopic Control extension by (III):

Stereoscopic Instrument compilation (III):

Manuscript scribed by (III)

Photogrammetric Office Review by (III): E. L. Rolle
Date: 12/2/60

Elevations on Manuscript checked by (II) (III):
Camera (kind or source) (III): C & O 8"W and 8"S cameras, 6" focal length.

PHOTOGRAPHS (III)

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<th>Number</th>
<th>Date</th>
<th>Time (EST)</th>
<th>Scale</th>
<th>Stage of Tide</th>
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<tbody>
<tr>
<td>55-W-2345</td>
<td>11/12/55</td>
<td>12:46</td>
<td>1:10,000</td>
<td>1.6' above MLW</td>
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<tr>
<td>55-W-2346</td>
<td>11/12/55</td>
<td>13:05</td>
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<tr>
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<td>1/5/56</td>
<td>13:03</td>
<td>1:140,000</td>
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Tide (III)

From predicted tables

<table>
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<tr>
<th>Reference Station:</th>
<th>Washington, D. C.</th>
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<tbody>
<tr>
<td>Subordinate Station:</td>
<td>St. Mary's City</td>
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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): 12 sq. statute miles
Shoreline (More than 200 meters to opposite shore) (III): 9.5 st. mi.
Shoreline (Less than 200 meters to opposite shore) (III): 2.4 st. mi.
Control Leveling - Miles (II): Inapplicable
Number of Triangulation Stations searched for (II): 10 Recovered: 7 Identified: 3
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:
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<tr>
<th>STATION</th>
<th>SOURCE OF INFORMATION</th>
<th>LATITUDE OR y-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>
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<tbody>
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<td>GREAT MILLS LOOK-</td>
<td>p. 111</td>
<td>149,795,87</td>
<td>916,893,95</td>
<td>956,125,56</td>
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<td>OUT TOWER, 1942</td>
<td>1927</td>
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<td>MCOY, 1908</td>
<td>p. 105</td>
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<td>138,999,30</td>
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<td>136,253,44</td>
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1 FT. = 0.3048006 METER

COMPUTED BY: J. Steinberg DATE: 11/28/58
CHECKED BY: H. P. Eichert DATE: 12/1/58
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<th>SOURCE OF INFORMATION (INDEX)</th>
<th>DATUM</th>
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<th>LONGITUDE OR $x$-COORDINATE</th>
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</table>

*TENUATE 1908 - Sub. Pt. No. 1 identification in 1958 and 1959 is virtually the same position.*
The field report and photogrammetric plot report are bound with the Descriptive Report for T-10651.

31. **DELINEATION**

The Kelsh Plotter (with 1955 photography) was used in compilation. Minor changes in planimetry such as tree lines, drainage and roads were edited to agree with the 1958 photography.

By comparison with existing maps the field inspection of interior drainage is incomplete. See paragraph 34 for discussion.

32. **CONTROL**

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

33. **SUPPLEMENTAL DATA**

A.M.S. Sheet 5760 III N.W. St. Mary's City, Maryland.
   b. Drainage transferred to manuscript by vertical projector.

34. **CONTOURS AND DRAINAGE**

There are no contours on this manuscript.

No interior drainage was field inspected for this manuscript. The drainage on the A.M.S. St. Mary's City, Maryland (based on Bureau survey T-6138, 1943) was accepted. Considering that most of the drainage is obscured by heavy trees, changes were made only where positive photo-interpretation was possible. In order to achieve a consistent drainage pattern over the project, some of the small branches were considered intermittent and were not shown.

Upon examination of the photographs there appears to be swamp areas along the streams as was field inspected on the south shore of this project. Because of heavy trees a positive identification of the swamp limits was not possible and therefore no swamp limits have been shown from office interpretation.

35. **SHORELINE AND ALONGSHORE DETAILS**

Shoreline inspection was adequate. The low water line was shown where indicated by field inspection.

36. **OFFSHORE DETAILS**

No unusual problems were encountered in compiling details offshore from the Mean High Water Line. The wreck southeast of Tippity Wichity Island was located from data submitted on Form 24A.
37. **LANDMARKS AND AIDS AIDS**

One aeronautical aid has been established. Form 567 was submitted 9/1/60.

38. **CONTROL FOR FUTURE SURVEYS**

There were no recoverable topographic stations established on this survey. 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. **JUNCTIONS**

Junction has been made with T-10660 to the east, T-10658 to the west and T-10666 to the south. There is no contemporary survey to the north.

40. **HORIZONTAL AND VERTICAL ACCURACY**

No comment.

41. thru 45. Inapplicable.

46. **COMPARISON WITH EXISTING MAPS**

Comparison was made with A.M.S. St. Marys City sheet 5760 III NW, revised in 1946, 1:25,000, 3rd edition 1950. This map is based on Bureau survey T-8138.

47. **COMPARISON WITH NAUTICAL CHARTS**

Comparison was made with Chart No. 557, Potomac River, 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.

Approved and forwarded

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

Respectfully submitted
September 2, 1960

Donald M. Brant
Carto. (Photo.)
PHOTOGRAMMETRIC OFFICE REVIEW
T-10659

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

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:
### LIST OF DIRECTIONS

**Station:** HAMMET  
**State:** MARYLAND  
**Date:** 7/24/58  
**Chief of party:** J.P. RANDALL  
**Observer:** KET  
**Instrument:** WILD T2  
**Photo:** 55W 23.47

<table>
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<tr>
<th>OBSERVED STATION</th>
<th>Observed direction</th>
<th>Eccentric reduction</th>
<th>Corrected direction with zero initial</th>
<th>Sea level reduction</th>
<th>Adjusted direction</th>
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<td>0 00 00.00</td>
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<td>Sunken Ship</td>
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<td>Stadia Dist: 680' 780' 500'</td>
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<td></td>
<td></td>
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<td>1160 ft</td>
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Wreck Submerged 2.8 feet at 1335 7/24/58 (EST)

### Additional Notes
- **These columns are for office use and should be left blank in the field.**
- **Objects visible from the ground.**
- **For least depth...**

**Comm-DC 34304**
48. Geographic Names:

Bettys Cove
Church Point
Craney Creek
Eastern Branch
Frog Marshes
Great Mill (settlement)
Greens Rest Run
Hillton Run
Horseshoe Bend
Horseshoe Point
Long Point
Martin Cove
Martin Point
Pagan Point
Penbrook Run
Short Point
Snow Hill Branch
St. Marys River
Tippity Wichity Island

Warehouse Point
Warehouse Run

Geographic Names Section
20 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-2547 | 1:10,000 | 1960 |
| H-2548 | 1:10,000 | 1960 |
| H-2550 | 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:

[Signature]

L. C. Lunde

Approved by:

[Signature]

Chief, Cartographic Branch  Chief, Nautical Charts Division

[Signature]  [Signature]

Chief, Photogrammetry Division  Chief, Operations Division

[Date]
### 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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</thead>
<tbody>
<tr>
<td>557</td>
<td>9/16/63</td>
<td>J.H. Eaton</td>
<td>Full Part Before After Verification Review Inspection Signed Via Drawing No.</td>
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<tr>
<td>101-56 10/3/63 L. Van Zant</td>
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<tr>
<td>12233 6/25/91 B. Black</td>
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**REMINDERS**

- Abnormal pressure by RS sheets - Perform under type until review.
- Full Part Before After Verification Review Inspection Signed Via Drawing No.
- No further core.

**NOTES**

- Full Part Before After Verification Review Inspection Signed Via Drawing No.
- Full Part Before After Verification Review Inspection Signed Via Drawing No.
- Full Part Before After Verification Review Inspection Signed Via Drawing No.
- Full Part Before After Verification Review Inspection Signed Via Drawing No.
- Full Part Before After Verification Review Inspection Signed Via Drawing No.