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-5901</td>
</tr>
<tr>
<td>T-10916, T-10917</td>
<td></td>
</tr>
<tr>
<td>Office No.</td>
<td>T-10918</td>
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LOCALITY

<table>
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<tr>
<th>State</th>
<th>Maryland</th>
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<tbody>
<tr>
<td>General locality</td>
<td>Patomac River</td>
</tr>
<tr>
<td>Locality</td>
<td>Shiloh, Mills Pt. &amp; Chaptise</td>
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1958-61

CHIEF OF PARTY

G.F. Wirth, Photo Party 723

LIBRARY & ARCHIVES

DATE
April 1964
<table>
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<tr>
<th>Event Description</th>
<th>Date</th>
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<td>1/26/62</td>
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<td>Superseded</td>
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<td>Compilation Record</td>
<td>Compilation Date</td>
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<td>Compilation completed</td>
<td>12/14/60</td>
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<tr>
<td>Compilation completed</td>
<td>12/6/60</td>
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DESCRIPTIVE REPORT - DATA RECORD

T - 10916, 10917 & 10918

PROJECT NO. (III):

Ph-5901

FIELD OFFICE (III):

Faulkner, Maryland

CHIEF OF PARTY

George F. Wirth

PHOTOGRAMMETRIC OFFICE (III):

Baltimore, Maryland

OFFICER-IN-CHARGE

William E. Randall

INSTRUCTIONS DATED (II) (III):

January 28, 1959

Letter from Assistant Director dated May 15, 1959

June 29, 1959

METHOD OF COMPILATION (III):

Graphic

ANCHOR SCALE (III):

1:10,000

STEREOSCOPIC PLOTTING INSTRUMENT SCALE (III):

DATE RECEIVED IN WASHINGTON OFFICE (IV):

DATE REPORTED TO NAUTICAL CHART BRANCH (IV):

APPLIED TO CHART NO.

DATE:

DATE REGISTERED (IV):

GEOPHYSICAL DATUM (III):

N.A. 1929

REFERENCE STATION (III):

Burr, 1908

LAT.: [ ] ADJUSTED

[ ] UNADJUSTED

LONG.: STATE

[ ] ZONE

PLANE COORDINATES (IV):

186,070.42 x = 839,203.37 Maryland

ROSE NUMERALS INDICATE WHETHER THE ITEM IS TO BE ENTERED BY (III) 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.
| **FIELD INSPECTION BY (II):** | G. F. Wirth  
  R. S. Tibbetts  
  E. E. Brown | **DATE:** | November thru December 1959 |
<table>
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<tr>
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<th></th>
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<tr>
<td><strong>MEAN HIGH WATER LOCATION (III) (STATE DATE AND METHOD OF LOCATION):</strong></td>
<td></td>
<td><strong>DATE:</strong></td>
<td>April 1959 field inspection on May 1959 photographs.</td>
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<tr>
<td><strong>PROJECTION AND GRIDS RULED BY (IV):</strong></td>
<td>J. Keefer</td>
<td><strong>DATE:</strong></td>
<td>5/24/60</td>
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<tr>
<td><strong>PROJECTION AND GRIDS CHECKED BY (IV):</strong></td>
<td></td>
<td><strong>DATE:</strong></td>
<td></td>
</tr>
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<td><strong>CONTROL PLOTTED BY (III):</strong></td>
<td>J. Steinberg</td>
<td><strong>DATE:</strong></td>
<td>7/6/60</td>
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<tr>
<td><strong>CONTROL CHECKED BY (III):</strong></td>
<td>J. A. Mooney</td>
<td><strong>DATE:</strong></td>
<td>7/6/60</td>
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<tr>
<td><strong>RADIAL-PLOT OR STEREOSCOPIC CONTROL EXTENSION BY (III):</strong></td>
<td>H. R. Rudolph</td>
<td><strong>DATE:</strong></td>
<td>8/18/60</td>
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<tr>
<td><strong>STEREOSCOPIC INSTRUMENT COMPILATION (III):</strong></td>
<td><strong>PLANIMETRY</strong></td>
<td><strong>DATE:</strong></td>
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<td></td>
<td><strong>CONTOURS</strong></td>
<td><strong>DATE:</strong></td>
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<tr>
<td><strong>MANUSCRIPT DELINEATED BY (III):</strong></td>
<td>J. C. Richter</td>
<td><strong>DATE:</strong></td>
<td>10/6/60</td>
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<tr>
<td><strong>SCIBING BY (III):</strong></td>
<td>J. C. Cregan</td>
<td><strong>DATE:</strong></td>
<td>12/6/61</td>
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<tr>
<td><strong>PHOTOGRAMMETRIC OFFICE REVIEW BY (III):</strong></td>
<td>R. Glaser</td>
<td><strong>DATE:</strong></td>
<td>3/10/61</td>
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**REMARKS:**
### DESCRIPTIVE REPORT - DATA RECORD

**FIELD INSPECTION BY (III):**  
G. F. Wirth  
R. S. Tibbetts  
E. E. Brown  
**DATE:** November thru December 1959

**MEAN HIGH WATER LOCATION (III) (STATE DATE AND METHOD OF LOCATION):**  
December 1959 field inspection on May 1958 photographs.

**PROJECTION AND GRIDS RULED BY (IV):**  
P. Dempsey  
**DATE:** 5/24/60

**PROJECTION AND GRIDS CHECKED BY (IV):**

**CONTROL PLOTTED BY (III):**  
J. Steinberg  
**DATE:** 7/6/60

**CONTROL CHECKED BY (III):**  
J. A. Mooney  
**DATE:** 7/6/60

**RADIAL PLOT OR STEREOSCOPIC CONTROL EXTENSION BY (III):**  
H. R. Rudolph  
**DATE:** 8/18/60

**STEREOSCOPIC INSTRUMENT COMPILATION (III):**  
**PLANIMETRY**

**CONTOURS**

**DATE**

**MANUSCRIPT DELINEATED BY (III):**  
J. C. Richter  
**DATE:** 9/23/60

**SCRIBING BY (III):**  
J. C. Cregan  
**DATE:** 2/12/62

**PHOTOGRAMMETRIC OFFICE REVIEW BY (III):**  
R. Glaser  
**DATE:** 12/14/60

**REMARKS:**
## T-10918
### DESCRIPTIVE REPORT - DATA RECORD

**FIELD INSPECTION BY (III):**
- G. F. Wirth
- R. S. Tibbetts
- E. E. Brown

**DATE:** November thru December 1959

**MEAN HIGH WATER LOCATION (III) (STATE DATE AND METHOD OF LOCATION):**

December 24, 1959 field inspection on May 1958 photographs

**PROJECTION AND GRIDS RULED BY (IV):**
- P. Dempsey

**DATE:** 5/24/60

**PROJECTION AND GRIDS CHECKED BY (IV):**

**DATE:**

**CONTROL PLOTTED BY (III):**
- J. Steinberg

**DATE:** 7/6/60

**CONTROL CHECKED BY (III):**
- J. A. Mooney

**DATE:** 8/7/60

**RADIAL PLOT OR STEREOSCOPIC CONTROL EXTENSION BY (III):**
- H. R. Rudolph

**DATE:** 8/18/60

**STEREOSCOPIC INSTRUMENT COMPOSITION (III):**

**PLANIMETRY**

**DATE:**

**CONTOURS**

**DATE:**

**MANUSCRIPT DELINEATED BY (III):**
- J. C. Richter

**DATE:** 9/12/60

**SCRIBING BY (III):**
- B. Wilson

**DATE:** 11/10/61

**PHOTOGRAMMETRIC OFFICE REVIEW BY (III):**
- R. Glaser

**DATE:** 12/6/60

**REMARKS:**

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REFERENCE: USCOM:DC 19276B-P61
**T-10916**

**DESCRIPTIVE REPORT - DATA RECORD**

**USGS "W" with 6" focal length and nine-lens/.

<table>
<thead>
<tr>
<th>NUMBER</th>
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<th>TIME</th>
<th>SCALE</th>
<th>STAGE OF TIDE</th>
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<tbody>
<tr>
<td>57254 thru 57256</td>
<td>5/22/58</td>
<td>11:02</td>
<td>1:10,000</td>
<td>0.1' above MLW</td>
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<tr>
<td>57267 &amp; 57268</td>
<td>&quot;</td>
<td>11:15</td>
<td>&quot;</td>
<td>0.0' &quot; &quot; &quot;</td>
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<tr>
<td>57289</td>
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<td>&quot;</td>
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<td>57297</td>
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<td>11:58</td>
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<td>0.3' &quot; &quot; &quot;</td>
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<tr>
<td>59-W-9572</td>
<td>10/5/59</td>
<td>13:49</td>
<td>&quot;</td>
<td>1.8' &quot; &quot; &quot;</td>
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**TIDE (III)**

<table>
<thead>
<tr>
<th>REFERENCE STATION:</th>
<th>Washington, D. C.</th>
<th>MEAN RANGE</th>
<th>SPRING RANGE</th>
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<tbody>
<tr>
<td>COORDINATE STATION:</td>
<td>Bushwood or Rock Pt.</td>
<td>2.9'</td>
<td>3.3'</td>
</tr>
<tr>
<td>SUBORDINATE STATION:</td>
<td>Lower Cedar Pt Lt Md.</td>
<td>1.9'</td>
<td>2.2'</td>
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</table>

**WASHINGTON OFFICE REVIEW BY (IV):**

- **DATE:** 4/14/63

**NUMBER OF TRIANGULATION STATIONS SEARCHED FOR (II):** None

**NUMBER OF BM(S) SEARCHED FOR (II):** None

**NUMBER OF RECOVERABLE PHOTO STATIONS ESTABLISHED (III):** 1

**NUMBER OF TEMPORARY PHOTO HYDRO STATIONS ESTABLISHED (III):** None

**REMARKS:**

* Non-monumented
**PHOTOGRAPHS (III)**

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<th>STAGE OF TIDE</th>
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<td>0.3&quot; &quot;</td>
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<td>13:48</td>
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<td>1.8' &quot;</td>
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</table>

**TIDE (III)**

| REFERENCE STATION: | Washington, D. C. | 2.9' | 3.3' |
| SUBORDINATE STATION: | Bushwood or (Rock Pt) | 1.9' | 2.2' |

**WASHINGTON-OFFICE REVIEW BY (IV):**

Z. Glaser

**DATE:** 4/14/63

**REMARKS:**

*In addition, 6 previously established stations were searched for.*

3 were recovered and identified;

3 were declared lost.
**CAMERA (KIND OR SOURCE) (III):** USC&GS "W" camera

**PHOTOGRAPHS (III):**

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<th>SCALE</th>
<th>STAGE OF TIDE</th>
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<td>1:10,000</td>
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**TIDE (III):**

| REFERENCE STATION: | Washington, D. C. | 2.9' | 3.3' |
| COORDINATE STATION: | Rock Pt | 1.9' | 2.2' |

**WASHINGTON OFFICE REVIEW BY (IV):**

R. Glaser

**DATE:** 4/16/63

**NUMBER OF TRIANGULATION STATIONS SEARCHED FOR (II):** None

**NUMBER OF BM(S) SEARCHED FOR (II):** None

**NUMBER OF RECOVERABLE PHOTO STATIONS ESTABLISHED (III):** None

**NUMBER OF TEMPORARY PHOTO HYDRO STATIONS ESTABLISHED (III):**

**REMARKS:**
# PROJECT PH-5901

## Planimetric Mapping

**Scale 1:10,000**

**Potomac River Va.-Md.**

**Maryland Point to Wicomico River**

---

**Official Mileage for Cost Accounts**

<table>
<thead>
<tr>
<th>Sheet Number</th>
<th>Area (Sq. Mi.)</th>
<th>Lin. Mi. Shoreline</th>
<th>Sheet Number</th>
<th>Area (Sq. Mi.)</th>
<th>Lin. Mi. Shoreline</th>
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**TOTALS**—Area 215 Sq. Mi. Shoreline 214 Mi.
Summary to Accompany Descriptive Report

T-10916, T-10917 & T-10918

Planimetric maps T-10916, T-10917 and T-10918 are part of Project Ph-5901 which consists of 24 planimetric maps and one shoreline survey. These maps cover an area on the Maryland side of the Potomac River. T-10916 contains the middle portion of Cobb Neck and about one mile of the shoreline of Potomac River just north of, and including the mouth of Cuckold Creek. T-10917 covers the central one-third of the Wicomico River including Chaptico Bay and T-10918 shows the area of Chaptico and Chaptico 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 maps were covered by 9-lens photography of May 1958 and single-lens "h" photography of May 1958 and 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 and the establishment and recovery of Recoverable Topographic Stations. The manuscripts are vinylite sheets which were scribed and reproduced on cronaflex film following photogrammetric office review. T-10916 and T-10917 are 3-3/4' in latitude by 3-3/4' in longitude, while T-10918 is 1-7/8' in latitude by 3-3/4' in longitude. The registered copies under T-10916, T-10917 and T-10918 will consist of a cronar film positive and a cronar film negative of each scribed manuscript.
<table>
<thead>
<tr>
<th>STATION</th>
<th>SOURCE OF INFORMATION (INDEX)</th>
<th>LATITUDE OR ( \gamma )-COORDINATE</th>
<th>DISTANCE FROM GRID IN FEET, OR PROJECTION LINE IN METERS FORWARD (BACK)</th>
<th>N.A. 1927 - DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS FORWARD (BACK)</th>
<th>FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS FORWARD (BACK)</th>
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<tbody>
<tr>
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1 FT. = 0.0448006 METER

COMPUTED BY: J. Steinberg  DATE: June 22, 1960  CHECKED BY: H. R. Rudolph  DATE: June 24, 1960
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<tbody>
<tr>
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For Field Inspection and Photogrammetric Plot reports covering the area of these surveys, see Descriptive Report T-10921, T-10922.

31. DELINEATION

These manuscripts were delineated by the graphic method.

A power transmission line shown on the Rock Point quadrangle north of, and roughly parallel to Indiantown Road was not field inspected. The photographs indicate the possibility this power line still exists.

Another power line shown on the quadrangle at Woodberry Beach was likewise not indicated by field data.

Field inspection notes concerning shoreline on photo 59-W-9571 suggests the existence of bluffs along the Wicomico River. These bluffs were not sufficiently obvious from office examination to warrant delineation and therefore, Notes for the Hydrographer, (item 49) requests a check for bluffs of importance to navigation.

32. CONTROL

The identification, density and placement of horizontal control was adequate for T-10917.

There was no horizontal control shown on the project layout for T-10916 and T-10918. After the radial plot had been completed, positions were found for two stations in T-10916, VICTORIA, 1934 and BM (MD. GEOD. S.) 1934. The delineation of roads at these stations was adjusted to fit the descriptions. Identification of VICTORIA, 1934 would have improved the accuracy and eliminated much extra work in assembling the radial plot. (See item 22 and 23, Photogrammetric Plot Report.)

33. SUPPLEMENTAL DATA

Quadrangles used for geographic names are listed in item 46.

34. CONTOURS AND DRAINAGE

Contours: Inapplicable.

Drainage: With the exception of drainage in marsh areas which could be seen easily on the photographs, all other drainage was under dense foliage and was very difficult to delineate accurately. Drainage from field inspection and by office interpretation was checked against the quadrangles before being delineated on the manuscript. Some drainage which was not field inspected was projected onto the manuscript from the U.S.G.S. quadrangle of the area.
35. SHORELINE AND ALONGSHORE DETAILS

In order to prevent the exaggeration of marsh areas on the final manuscript, very narrow fringes of marsh fronting, the mean high-water line were not delineated.

The shoreline inspection was adequate.

No low-water line was field inspected and none was delineated.

36. OFFSHORE DETAILS

No comment.

37. LANDMARKS AND AIDS

None.

38. CONTROL FOR FUTURE SURVEYS

T-10916:
One non-monumented topographic station established.

T-10917:
Four non-monumented topographic stations established.
Three Forms 524 herewith submitted for recovered stations.

T-10918:
None.
A list of recoverable topo stations is included in item 49.

39. JUNCTIONS

Junctions have been made and are in agreement between these three surveys. In addition, junctions have been made and are in agreement with the following adjoining surveys:
To the north, T-10910 and T-10911
To the south, T-10921 and T-10922
To the west, T-10915
To the east, no contemporary survey.

40. HORIZONTAL AND VERTICAL ACCURACY

No comment.
41. thru 45.

Not needed.

46. COMPARISON WITH EXISTING MAPS

A.M.S. Rock Point, Md., quadrangle, scale 1:25,000, dated 1949.
Bureau surveys T-8114 and T-8115, scale 1:20,000.

Many alongshore bluffs delineated on T-8115 are not shown on these surveys.

47. COMPARISON WITH NAUTICAL CHARTS


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

Respectfully submitted
March 17, 1961

R. Glaser
Carto. (Photo.)

Approved and forwarded

William H. Randall
CDR, C&GS.
Baltimore District Officer
PHOTOGRAMMETRIC OFFICE REVIEW
T-10916, T-10917 & T-10918

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. 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. Reviewer
Joseph Steinberg
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.

43. Remarks: Field edit of bluffs only - see 1961 copies annotated by Hydro Party - also see 1961 Seasons Report by Lt. Sundeen.

Compiler
Joseph Steinberg

Supervisor

Field edit of bluffs only - see 1961 copies annotated by Hydro
Party - also see 1961 Seasons Report by Lt. Sundeen.
61. **GENERAL STATEMENT**

See Summary accompanying Descriptive Report.

62. **COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS**

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T-10916, T-10917 and T-10918 supersede the above prior surveys for nautical chart construction.

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

| U.S.G.S. Morgantown, Md.-Va. | 1:24,000 | 1953 |
| A.M.S. Rock Point, Md.       | 1:25,000 | 1949 |

64. **COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS**

| H-8703 | 1:10,000 | 1961 (Boat sheet) |

The boat sheet covers only the southwest corner of T-10916 which includes a short stretch of the Potomac River, the mouth of Cuckold Creek and Perry Branch.

An area on the manuscript at the mouth of Cuckold Creek labeled "foul with stakes and piling", was delineated from 9-lens photograph No. 57267. The foul area is not verified by the boat sheet.

Contemporary hydrographic surveys covering T-10917, T-10918 and the balance of the shoreline on T-10916 were not available for comparison during final review.

65. **COMPARISON WITH NAUTICAL CHARTS**

| 558     | 1:40,000 | 5th Ed., November 5, 1962 |

T-10916:

There is no verification on the manuscript for two islets which are charted on the north side of the mouth of Cuckold Creek.
Charted bluffs along the Potomac River and along Cuckold Creek are not on the manuscript.

Eight to twelve foot bluffs along the Wicomico River on the manuscript are not shown on the chart.

T-10917:
Numerous bluffs from ten to thirty feet are shown on the manuscript which are not on the chart. These bluffs were field edited in September 1961.

A number of geographic names on the manuscript are not on the chart.

A sizeable tidal pond, just north of Russell Landing on the manuscript, is not on the chart.

T-10918:
Chaptico Creek and the marsh associated with it is not shown on the chart.

66. ADEQUACY OF RESULTS AND FUTURE SURVEYS

These surveys comply with instructions and meet the National Standards of Map Accuracy.

Reviewed by

R. Glaser

Approved by

Baltimore District Officer

Approved by

Chief Review Section

Chief, Photogrammetry Division
48. **Geographic Name List**

Bankhead Cove          Tennyson Point
Bankhead Point         Tompkinsville
Banks O'Dee            Wayside
Barber Point           West Hatton Point
Barbers Quarters       Wicomico Beach
Bassfold Creek         Wicomico River
Bull Run               Windmill Point
Burroughs Run          Woodberry Beach

Camp Reader
Chaptico
Chaptico Bay
Chaptico Creek
Chaptico Point
Cobb Neck
Cuckold Creek
Cohouck Point

Dolly Boarmans Creek

Harris Lot
Hayden Cove
Hayden Point

Lloyd Creek
Lloyd Drain

Maddox
Maddox Creek
Manahowic Creek
Mattney Point
Mills Point
Mount Victoria

Nelsons Run

Perry Branch
Persimmon Point
Persimmon Point Creek
Piccowaxen Creek
Potomac River

Russell Landing

Shiloh
Stoddard Point
Swindler Creek
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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