# DESCRIPTIVE REPORT

- **Type of Survey**: Planimetric
- **T-10921 and Field No. Ph-5901**
- **Office No. T-10922**

## LOCALITY

- **State**: Maryland
- **General locality**: Potomac River
- **Locality**: Issue and Rock Point

- **1958-59**

## CHIEF OF PARTY

- G.F. Wirth, Photo. Party 723

## LIBRARY & ARCHIVES

- **DATE**: April 1964
<table>
<thead>
<tr>
<th>COMPILEDATION RECORD</th>
<th>COMPLETION DATE</th>
<th>REMARKS</th>
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<td>10/5/60</td>
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DATA RECORD

T-10921 and T-10922

Project No. (II): Ph-5901

Quadrangle Name (IV):

Field Office (II): Faulkner, Maryland

Chief of Party: George F. Wirth

Photogrammetric Office (III): Baltimore, Maryland

Officer-in-Charge: William E. Randall

Instructions dated (II) (III):
28 January 1959
15 May 1959
10 June 1959
13 June 1959
29 June 1959

Copy filed in Division of Photogrammetry (IV)

Method ofCompilation (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 (2) refer to mean high water
Elevations shown as (2) refer to sounding datum
i.e., mean low water or mean lower low water

Reference Station (III): COBB 3 (B of O) 1954

Lat.: 38° 15' 20.956" (646.1 m) Long.: 76° 50' 44.492" (1081.7 m) Adjusted

Plane Coordinates (IV):

State: Maryland Zone:

Y = 153,897.55 X = 844,312.43

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)
T-10921 and T-10922
DATA RECORD

Field Inspection by (II): G. F. Wirth
R. S. Tibbetts
E. E. Brown
J. E. Tolodziecki
Date: March 1959 thru December 1959

Planetable contouring by (II):
Date:

Completion Surveys by (II):
Date:

Mean High Water Location (III) (State date and method of location): May 1958 (date of photography)
Field inspection April 1959 supplemented by office interpretation.

Projection and Grids ruled by (IV): P. Dempsey (T-10921)
J. Keefer (T-10922)
Date: 5/21/60
5/13/60

Projection and Grids checked by (IV):

Control plotted by (III):
J. Steinberg
Date: 6/30/60

Control checked by (III):
J. Mooney
Date: 6/30/60

Radial Plotting
H. R. Rudolph
Date: 7/29/60

Stereoscopic Instrument compilation (III):
Date:

Planimetry
Contours

Manuscript delineated by (III): J. Y. Councill and B. Wilson (T-10921)
B. Wilson (T-10922)
Date: 10/5/60
9/19/60

Manuscript scribed by: (T-10921) R. M. Whitson
(T-10922) R. M. Whitson
Date 10/4/61
9/13/61

Photogrammetric Office Review by (III): R. Glaser
Date: 11/18/60

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

Form T-Page 3
T-10923

DESCRIPTIVE REPORT - DATA RECORD

Camera (kind or source) (III): USC&GS "W" and nine-lens cameras

<table>
<thead>
<tr>
<th>Number</th>
<th>Date</th>
<th>Time</th>
<th>Scale</th>
<th>Stage of Tide</th>
</tr>
</thead>
<tbody>
<tr>
<td>59-W-9555</td>
<td>10/5/59</td>
<td>1327</td>
<td>1:10,000</td>
<td>0.8' above MLW</td>
</tr>
<tr>
<td>57306, 7 and 8</td>
<td>5/22/58</td>
<td>1217</td>
<td></td>
<td>0.2'</td>
</tr>
<tr>
<td>57333 thru 57336</td>
<td>5/23/58</td>
<td>12h4</td>
<td></td>
<td>0.2'</td>
</tr>
</tbody>
</table>

Tide (III) From predicted Tide Tables.

<table>
<thead>
<tr>
<th>Reference Station:</th>
<th>Ratio of Range Mean Range Spring Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>Washington, D. C.</td>
<td>2.9 3.3</td>
</tr>
<tr>
<td>Colonial Beach, Va.</td>
<td>1.6 1.8</td>
</tr>
<tr>
<td>Dahlgren, Upper Machodoc Creek</td>
<td>1.6 1.8</td>
</tr>
</tbody>
</table>

Final Drafting by (IV):

Drafting verified for reproduction by (IV):

Proof Edit by (IV):

Land Area (Sq. Statute Miles) (III): 9
Shoreline (More than 200 meters to opposite shore) (III): 18 mi.
Shoreline (Less than 200 meters to opposite shore) (III): 3 mi.
Control Leveling - Miles (II): None
Number of Triangulation Stations searched for (II): 3
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 stations searched for; two recovered and identified (see Forms 52h).
**T-10924**

**DESCRIPTIVE REPORT - DATA RECORD**

Camera (kind or source) (III): USCS Nine-lens camera

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<th>Time</th>
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<th>Stage of Tide</th>
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<tr>
<td>57304 and 5</td>
<td>5/22/58</td>
<td>1215</td>
<td>1:10,000</td>
<td>0.2' above MLW</td>
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<tr>
<td>57333 and 4</td>
<td>n</td>
<td>1242</td>
<td>n</td>
<td>0.2' n</td>
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**Tide (III) From predicted Tide Tables**

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<tr>
<th>Reference Station:</th>
<th>Washington, D. C.</th>
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</thead>
<tbody>
<tr>
<td>Subordinate Station:</td>
<td>Colonial Beach, Va.</td>
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</tbody>
</table>

<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>
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</tbody>
</table>

| .55             | 1.6        | 1.8          |

**FINAL Washington Office Review by (IV): BALTO. DISTRICT OFFICE - R. G/288**

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

Recovered: Identified:

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:

* Three previously established recoverable topographic stations searched for; two recovered and identified. (See Forms 524)
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>
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<th>Lin. Mi. Shoreline</th>
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<td>10903</td>
<td>13</td>
<td>14</td>
<td>10915</td>
<td>6</td>
<td>7</td>
</tr>
<tr>
<td>10904</td>
<td>13</td>
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<td>10918</td>
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<td>10907</td>
<td>3</td>
<td>9</td>
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<td>12</td>
<td>12</td>
</tr>
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<td>10920</td>
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<td>10922</td>
<td>6</td>
<td>20</td>
</tr>
<tr>
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<td>7</td>
<td>2</td>
<td>10925</td>
<td>9</td>
<td>17</td>
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<td>2</td>
<td>4</td>
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<td>9</td>
<td>10926</td>
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<tr>
<td>10914</td>
<td>10</td>
<td>13</td>
<td>10927</td>
<td>10</td>
<td>3</td>
</tr>
</tbody>
</table>

TOTALS--- Area 215 Sq. Mi. Shoreline 214 Ml.
Planimetric maps T-10921 and T-10922 are part of 24 similar maps and one Shoreline Survey in project Ph-5901. These maps cover the southern section of Cobb Neck, Maryland including a portion of the Wicomico River and the northeastern shore of the Potomac River from Cobb Island to Bachelors Hope Point. 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, establishment of recoverable topographic stations and the location of aids to navigation. 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-10921 and T-10922 will consist of a cronar film positive and a cronar film negative of each scribed manuscript.
2. **Areal Field Inspection**

This report covers the Maryland portion of the project covering 15 maps in Charles and St. Marys Counties, 10903 thru 10912, 10915 thru 10918, 10921, and 10922.

Further investigation by the hydro party will be necessary at the head of the Port Tobacco River and at "Aqualand" under the U.S. 301 Potomac River Bridge, where construction and dredging are in progress.

In the Northwest corner of Map 10910 insufficient overlap of flight lines caused difficulty in delineating drainage on photos.

3. **Horizontal Control**

Most of the horizontal control was previously located during project PH - 5803. Stations recovered to meet control requirements are listed below:

- HILLTOP, 1934
- PLOWDEN, 1942
- RYCEVILLE, 1942
- KEY, 1908
- EEDLING, 1908
- BURR, 1908

The following triangulation was located as fixed Aids to navigation:

- UPPER CEDAR POINT LIGHTHOUSE, 1901
- LOWER CEDAR POINT LIGHT, 1954
- MATHIAS SHOAL POINT LIGHTHOUSE, 1928
- WATER 10, 1954
- COBB POINT BAR LIGHT, 1954
Recovery of inland bench marks was not required, and there were no tidal bench marks in the area.

5. Contours and Drainage

Contouring was not required.

Drainage was examined stereoscopically and delineated where ill-defined. Field inspection of drainage in accessible places was made. The drainage in the lower parts of many streams is through swamps or marshes. Poor stereo pairs in the Northwest corner of map 10910 made it necessary to dash in red the probable drainage of Zekiah Swamp.

6. Woodland Cover

The type of woodland cover is noted on the field photos.

7. Shoreline and Alongshore Features

In many areas along the Potomac and Wicomico Rivers, the MHWL is at the base of a small bluff (10 - 50 feet high). Fronting the bluff are narrow strips of marsh (10-20 feet wide). In areas where the strip of marsh was too narrow to show on the photo, a note to the effect that "tufts" of marsh exist along the shore has been made on the field photos. The MHWL has been put behind these tufts. All other alongshore features have been noted on the photos.
8. Offshore Features

The offshore features have been noted on the photos.

9. Landmarks and Aides

Landmarks and aids for nautical and aeronautical charts were thoroughly investigated and entered on form 567. All were located by the direct method on the photos.


The legal description of the boundary between Charles and St. Marys Counties was unobtainable at the Charles County Court House. The U.S.G.S. 7.5 minute quadrangle of Rock Point, Md., shows the boundary as the main channel of the Wicomico River from its mouth North to Budds Creek on sheet 10911, hence through Budds Creek off the project limits. This checked with all local inquiries and with the Md. State Highway Marker crossing Budds Creek on Md. State Highway 234, and with the election district map at the Charles County Court House. The boundary has not been delineated on the field photos.

The official boundary for the Blossom Point Proving Grounds could not be obtained but was delineated on the field photos with the aid of Army personnel at the Proving Grounds and U.S. Government Property Markers.
11. Other Control

All previously marked topographic stations that could be of value to hydrography were searched for and reported on form 524.

The following stations were recovered and identified on the photos:

RAIN (1942) 1959  DOG (1942) 1959
L 50 (1943) 1959  ALL (1942) 1959
M 50 (1943) 1959  MATT (1942) 1959
BM B B (1943) 1959  RICEVILLE AZIMUTH MARK 1959
DINE (1942) 1959  BM 6 1959 (Virginia)
V 48 (1943) 1959  BM 7 1959 (Virginia)

The following stations were reported lost or could not be found.

W 48 (1943)  PAN (1942)
X 48 (1943)  BAD (1942)
CAD (1942)  PINE (1942)
V 49 (1943)  TICK (1942)
ASK (1942)  MILL (1942)
PIN (1942)  FUN (1942)
FOURTH (1942)  POND (1942)

To satisfy the control requirement of one station every two miles, where no recoverable topographic or triangulation station existed, the following recoverable photo hydro stations were established:

PIER 1959  DORMER 1959  SOUTH GABLE 1959
GABLE 1959  BUT 1959
CHIM 1959  PIER 1959
BARN 1959  SOUTH GABLE 1959
PIER END 1959  SILO 1959
CROSS 1959  SILO 1959
SOUTH GABLE 1959  CON 1959

12. Other Interior Features

All roads were classified in accordance with Photogrammetry Instruction No. 56 dated July 1958. Where dirt roads are not permanent and used only for access to fields, they are noted
"field roads." All Buildings were classified in accordance with Photogrammetric Instructions No. 54 dated 2 January 1958.

No bridge or cable clearances were required.

Zekiah and Gilbert swamps were not covered with water at the time of field inspection. Local information indicated that they are flooded during wet seasons, and are therefore classified as swamps.

13. Geographic Names

A systematic geographic names investigation was not required, but disputed names were investigated. A geographic names report will be submitted under separate cover.

14. Special Reports and Supplemental Data.

A Coast Pilot Report will be forwarded at a later date.

Respectfully submitted
6 January 1960

George F. Wirth
Chief of Party
U. S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

2 September 1960

To: The Director
Coast and Geodetic Survey
Washington 25, D.C.
Attention 73

From: LTJG George F. Wirth
Photoparty 723
P.O. Box 155
Pquonock Bridge, Conn.

Subject: Hydro Signals EGG and DOT - Project Ph-5901

Reference: Your letter dated 29 August 1960

Hydro Signals EGG and DOT are neither monumented
 tops stations nor natural objects. These two stations
 are hydro signals (tripods) which were built and
 located by the Ship COWLE in the spring of 1959
 for use on the channel survey of the Potomac.

This Party identified them in August of 1959 in
 connection with a check of control identification
 which was done for Project Ph-161. This check of
 control was started by Mr. Beugnet and completed
 by myself. I identified about 5 triangulation
 stations on Ph-161 and these hydro stations which
 I believe was necessary for a check on the
 channel survey control. I understood there was
difficulty there which was later resolved by
 the discovery of an error in the computations
 of the Ship COWLE.

These two stations were not done in connection with
 Ph-5901. "DOT" is at Colton Point (Ph-161).
 "EGG" is on a marsh island near Cobb Island and
 could be mapped for future hydro use but is marked
 only by a hydro signal which I remember as a 15
 foot tripod.

Respectfully,

George F. Wirth, Chief of Party

cc Baltimore D.O.
21. **AREA COVERED**

This radial plot covers the areas of the surveys listed above. They are planimetric surveys along the northern shore of the Potomac River between the Wicomico River on the east and just north of Popes Creek on the west. The plot includes the Wicomico River.

22. **METHOD - RADIAL PLOT**

Map Manuscripts:
Vinylite sheets with polyconic projections in black, Maryland Grid in red and/or Virginia, North Zone in green, were furnished by the Washington office.

The positions of all triangulation stations, substitute points, and stereo-bridge points were plotted on the manuscripts with the Coordinatograph.

A sketch showing the layout of the surveys, distribution of control, and photograph centers is attached to this report.

Photographs:
Eighteen (18) nine-lens photographs taken in 1958, at a scale of 1:10,000 and twelve (12) single lens photographs taken in 1959, at a scale of 1:40,000 and ratioed to a scale of 1:10,000 were used in the plot, numbered as follows:

<table>
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<th>Nine-lens</th>
<th>Single lens</th>
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<tr>
<td>57252 through 57260</td>
<td>59-W-9569 through 9574</td>
</tr>
<tr>
<td>57263 &quot; 57270</td>
<td>59-W-9598 &quot; 9603</td>
</tr>
<tr>
<td>57285</td>
<td></td>
</tr>
</tbody>
</table>

Templets:
Vinylite templets were made for all photographs.

The master templet was used to correct for film and paper distortion, and chamber displacement on all nine-lens photographs. No master templet was available for the single lens photographs.

Closure and Adjustment to Control:
The manuscripts for this plot were joined together along with the manuscripts for T-10905, T-10908 and T-10914. These three manuscripts were used so that any control on them could be used in the plot.

The plot was then laid directly on the map manuscripts.
An attempt was made to lay the templet for photographs 57263 through 57270; however, it was impossible to get good intersections for the passpoints when the control was held. An attempt was then made to lay the templet for photographs 57252 through 57260 with the same results. All templets were removed from the manuscripts and the templet for photograph 57285 (which was well controlled) was laid followed by 57252. Then, using flight lines and making good intersections of passpoints, the rest of the flight through photograph 57260 was laid and tied in to COBB PT. LT., 1954; bypassing EEDLING, 1906; COBB 3 (B of O), 1954; PICCO 2, 1954; ---. The other flights were then laid and a satisfactory plot was made.

The passpoints to the east of T-10922, established in another project, were held in the plot.

Transfer of Points:
The positions of all passpoints, photograph centers, and radially plotted positions of control were pricked on the top templet and then drilled through the templets and map manuscripts.

23. ADEQUACY OF CONTROL

The density and distribution of control was at a minimum.

The following control could not be held in the radial plot.

COBB 3 (B of O), 1954 - The radially plotted position of Sub. Pt. A was approximately 0.8 mm west of its computed position. The radially plotted position of Sub. Pt. B was approximately 1.2 mm. ESE of its computed position. After the radial plot was completed, personnel from this office visited the station and located Sub. Pt. A using a different initial station. The position of Sub. Pt. A, was recomputed and checked within 0.2 mm. of its radially plotted position.

After the compilation of survey No. T-10922 was about half completed, another identification card was found that located Sub. Pts. Nos. 1 and 2. This card was dated a year earlier than the one locating Sub. Pts. A and B. The position of Sub. Pt. No. 1 was computed and plotted on the manuscript and verified the radially plotted positions of Sub Pts. A and B.

The field party evidently did not initial on the azimuth station shown on the identification card for the Sub. Pts.

PICCO 2, 1954 - The radially plotted position of Sub. Pt. No. 1 was approximately 3.2 mm SE of its computed position. The radially plotted position of Sub. Pt. No. 2 was approximately 3.25 mm. ESE of its computed position.

After the plot was completed personnel from this office also visited this station and found that the azimuth station, as listed, was incorrect. The positions of the Sub. Pts. were recomputed using the corrected Azimuth Station and replotted on the manuscript. After minor adjustments the plot was corrected to fit the new positions.
EEDLING, 1908 - The radially plotted positions of both Sub. Pts. 1 and 2 were 2.3 mm. east of their computed positions. The description of the station states that the Reference Mark is 23.99 meters east (270° 03' Az.) of the station. The personnel from this office also visited this station and have concluded, since the Station Mark and Reference Mark are similar monuments, that the monument occupied by the field party was the Reference Mark. This was the only monument found at the location.

The positions of the Sub. Pts. were computed assuming that the instrument station was the Reference Mark, and the new computed positions were close to the radially plotted positions.

LOWER CEDAR PT. DEASON, 1908 - The radially plotted position of this station is 0.5 east of its plotted position. It may have been moved since 1908.

COBE 3 (B of 0), 1954; PICCO2, 1954 and EEDLING, 1908 should now be considered as held in the plot as recomputed after the investigation by personnel of this office.

Passpoints, established in a stereoplanigraph bridge of a flight parallel to the coastline of Potomac River, were used as a guide in constructing this radial plot. Many of these passpoints could not be held exactly and the many small discrepancies of less than 0.5 mm. were in various directions. The positions on the map manuscript are those established in the radial plot.

The following stereo-bridge points could not be held within 0.5 mm:

1101 - radially plotted position is 0.5 mm. SE
2501 - " 0.7 " " 0.7 mm. SSE
2502 - " " " 0.5 mm. NNW
7411 - " " " 0.5 mm. NW
7501 - " " " 1.1 mm. N
7502 - " " " 0.5 mm. NW
7503 - " " " 0.8 mm. NW

Passpoints 1002, 1007, and 1008, were not identified for use in constructing the radial plot. However, when making adjustments to the new position of Sub. Pts. afor PICCO, 1954; these passpoints were identified and held with the new position.

24. **SUPPLEMENTAL DATA**

None.

25. **PHOTOGRAPHY**

Adequate.

Respectfully submitted
18 August 1960

H. R. Rudolph

H. R. Rudolph
Carto. (Photo.)
LAYOUT SKETCH
PROJECT PH 5901
SURVEYS T-10909 thru T-10911,
T-10915 thru T-10918, T-10921 and T-10922.
○ Single Lens Photographs.
△ Nine Lens Photographe
▲ Control Station held in plot.
△ Control Station not held in plot.
△ Control Station identified but not used in plot.
△ Control Station not identified.
■ Stereo bridge point held in plot.
▲ Stereo bridge point not held in plot.
□ Stereo bridge point not used in plot.
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<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 FORWARD</th>
<th>DISTANCE FROM GRID OR PROJECTION LINE IN METERS BACK</th>
<th>DATUM CORRECTION</th>
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<td>WATER 10, 1954</td>
<td>MD p. 310</td>
<td>N.A. 1927</td>
<td>164.54, 1.67</td>
<td>824,151.47</td>
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<tr>
<td>CEMENT 4 (B of O 1954)</td>
<td>p. 308</td>
<td>&quot;</td>
<td>166.674.26</td>
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<td>POTOMAC VIEW, 1918</td>
<td>p. 58</td>
<td>&quot;</td>
<td>164.696.17</td>
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<td>&quot;</td>
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<td>DATUM</td>
<td>LATITUDE OR Y-COORDINATE</td>
<td>LONGITUDE OR X-COORDINATE</td>
<td>DISTANCE FROM GRID IN FEET, OR PROJECTION LINE IN METERS</td>
<td>DATUM CORRECTION</td>
</tr>
<tr>
<td>-----------------------------</td>
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<tr>
<td>OBBE 3 (B of 0) 1954</td>
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<td>N.A. 1927</td>
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<td>LYON, 1908</td>
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<td>1927</td>
<td>170,985.69</td>
<td>850,124.60</td>
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<td>p. 122</td>
<td>1927</td>
<td>160,352.88</td>
<td>847,638.17</td>
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<tr>
<td>OBBE POINT BAR LIGHT, 1954</td>
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<td>1927</td>
<td>149,030.86</td>
<td>849,713.99</td>
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<tr>
<td>ROCK POINT CATHOLIC CHURCH 1908</td>
<td>SP III p. 213</td>
<td>NORTH AMERICAN</td>
<td>38 16 20.499</td>
<td>632.0</td>
<td>- 20.1</td>
<td>611.9</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>76 50 13.403</td>
<td>325.8</td>
<td>- 1.9</td>
<td>323.9</td>
</tr>
</tbody>
</table>

1 FT = 0.3048006 METER
COMPUTED BY J. Steinberg DATE 6/28/60
CHECKED BY H. R. Rudolph DATE 6/29/60
31. Delineation

Delineation of these manuscripts was by the graphic method.

32. Control

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

Of the 18 triangulation stations found on the project layout in this area, only 3 Forms 526 were available for the compiler's use. However, the following control was omitted from the manuscripts after a study of the triangulation descriptions:

<table>
<thead>
<tr>
<th>T-10921</th>
<th>T-10922</th>
</tr>
</thead>
<tbody>
<tr>
<td>CLEMENT, 1918</td>
<td>WEISS, 1908</td>
</tr>
<tr>
<td>CUCKOLD, 1929</td>
<td>ST. MARGARET 2, 1901</td>
</tr>
<tr>
<td>CUCKOLD RM 1, 1929</td>
<td>CALDWELL, 1918</td>
</tr>
<tr>
<td></td>
<td>CORNER, 1908</td>
</tr>
<tr>
<td></td>
<td>CHARLES, 1908</td>
</tr>
<tr>
<td></td>
<td>HEDNEY, 1908</td>
</tr>
</tbody>
</table>

33. Supplemental Data

Conflicting field inspection data with regard to state highway numbers were corrected by use of the "Official 1960 Maryland Highway Map".

34. Contours and Drainage

Contours: None.
Drainage: No comment.

35. Shoreline and Alongshore Details

Some alongshore discolored areas were field inspected as "Shallow, Mud and Sand". Comparison of these areas with the chart shows neither an abrupt change in depth nor a foreshore area which bares at low water. This inspection, therefore, was not used.

The shoreline inspection, although reinterpreted in some areas where there was more recent photo coverage was considered quite adequate. The small amount of low water lines shown on these surveys were classified by office interpretation.
36. **OFFSHORE DETAILS**

Some of the many duck blinds are office interpreted by analogy with others which were inspected.

On T-10921, two obstructions of unknown character were delineated by office interpretation. One is in Middletown Branch and the other, labeled "structure" is off Potomac View.

37. **LANDMARKS AND AIDS**

Form 567 for nine non-floating aids to navigation are herewith submitted.

There are no recommended landmarks.

38. **CONTROL FOR FUTURE SURVEYS**

Three Forms 524 are herewith submitted.

Also, see item 49 for 2 hydrographic control stations on T-10921 and 2 non-monumented topographic stations for hydrographic control on T-10922.

39. **JUNCTIONS**

Junction has been made and is in agreement between these two surveys. Junction has also been made and is in agreement between this unit and T-10916 and T-10917 to the north, and with T-10651 (Ph-161) to the east. To the west and south the junction is in a water area.

40. **HORIZONTAL AND VERTICAL ACCURACY**

No comment.

41. **BOUNDARIES**

On T-10922, the county boundary was delineated using the Rock Point Maryland quadrangle as a guide. There was no additional boundary data.

42 thru 45

Not needed.
46. **COMPARISON WITH EXISTING MAPS**


    A discrepancy is noted between this quadrangle and manuscript T-10922. Field inspection indicates a 30-ft bluff just north of FENNELL POINT. There is no contour in this area on the quadrangle.

47. **COMPARISON WITH NAUTICAL CHARTS**

    Chart 558, scale 1:40,000, 4th edition 11/16/59, corrected to 7/2/60.

    Items to be applied to nautical charts immediately: None.

    Items to be carried forward: None.

Respectfully submitted
20 September 1960

Bernice Wilson
Cartographic Aid

Approved and Forwarded

[Signature]

WILLIAM E. RANDALL
CDR, C&GS
Baltimore District Officer
PHOTOGRAMMETRIC OFFICE REVIEW
T. 10921 & E. 10922

2. Title K 8. Bench marks K 11. Detail points
4. Manuscript size

CONTROL STATIONS
5. Horizontal control stations of third-order or higher accuracy K 6. Recoverable horizontal stations of less than third-order accuracy (topographic stations)
7. Landmarks K 17. Other alongshore physical features
8. Text K 18. Other alongshore cultural features
9. Spectacular features K

ALONGSHORE AREAS
(Nautical Chart Data)
17. Landmarks K 18. Other alongshore physical features

PHYSICAL FEATURES

CULTURAL FEATURES

BOUNDARIES
31. Boundary lines K 32. Public land lines X

MISCELLANEOUS
33. Geographic names K 34. Junctions K 35. Legibility of the manuscript K 36. Discrepancy

Reviewer

Supervisor

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

41. Remarks (see attached sheet)

43. Remarks:

COMM. DC 34529
61. **GENERAL STATEMENT**

See Summary accompanying Descriptive Report.

62. **COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS**

<table>
<thead>
<tr>
<th>Survey</th>
<th>Scale</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>T-10921</td>
<td>1:20,000</td>
<td>1862</td>
</tr>
<tr>
<td>858</td>
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<td>1862</td>
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<tr>
<td>859</td>
<td></td>
<td>1868</td>
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<td>1105</td>
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<td>1905</td>
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<tr>
<td>2730</td>
<td></td>
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<tr>
<td>8114</td>
<td></td>
<td>1942, 1943</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Survey</th>
<th>Scale</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
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<td>1:20,000</td>
<td>1862</td>
</tr>
<tr>
<td>858</td>
<td></td>
<td>1868</td>
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<tr>
<td>1105</td>
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<td>1905</td>
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<tr>
<td>2730</td>
<td></td>
<td></td>
</tr>
<tr>
<td>8115</td>
<td></td>
<td>1942, 1943</td>
</tr>
</tbody>
</table>

T-10921 and T-10922 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.S. Rock Point, Md. 1:25,000 1949

64. **COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS**

<table>
<thead>
<tr>
<th>Survey</th>
<th>Scale</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>T-10921</td>
<td>1:10,000</td>
<td>1961</td>
</tr>
<tr>
<td>H-8613</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Minor disagreements were resolved. There were no significant differences between the boat sheet and the manuscript.

<table>
<thead>
<tr>
<th>Survey</th>
<th>Scale</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>H-8703</td>
<td>1:10,000</td>
<td>1961</td>
</tr>
</tbody>
</table>

The boat sheet omitted most of the piers and a small island in Cuckold Creek. It also omitted an obstruction in Middletown Branch.

<table>
<thead>
<tr>
<th>Survey</th>
<th>Scale</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>T-10922</td>
<td>1:10,000</td>
<td>1961</td>
</tr>
<tr>
<td>H-8613</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Only the southern portion of the manuscript was covered by this boat sheet.

Two field inspected wrecks on the manuscript are not shown on the boat sheet. Their approximate positions are:

1. Lat. 38° 16.3' Long. 76° 31.7'
2. " 38° 16.1' " 76° 30.5'
Two other small wrecks not on the boat sheet are shown on the manuscript close to the shore just northwest of the bridge crossing Neale Sound.

65. **COMPARISON WITH NAUTICAL CHARTS**

558 1:40,000 5th Ed. 11/5/62.

**T-10921:**
A radar screen just southeast of Swan Point is shown incorrectly positioned on the chart.

The general configuration of the shoreline is in good agreement between the chart and the manuscript, but alongshore marsh areas show many differences.

A number of piers on the manuscript are not shown on the chart, especially at Potomac View and in Neale Sound.

**T-10922:**
The chart and the manuscript are in complete disagreement with respect to bluffs. None of the charted bluffs are on the manuscript and the chart shows no bluffs which are delineated on the manuscript.

Several piers along the east shore of the Wicomico River are missing from the chart.

No other significant differences are noted.

66. **ADEQUACY OF RESULTS AND FUTURE SURVEYS**

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

On T-10922, the field inspection indicated an extensive 30-foot bluff just north of Fennell Point. The A.M.S. Rock Point, Maryland, quadrangle, contour interval of 20-feet, shows no contour here. Future surveys should investigate this discrepancy.

Reviewed by

R. Glaser

Approved by

Baltimore District Officer

Approved by

Chief, Review Section

Chief, Photogrammetry Division
Nonfloating Aids or Landmarks for Charts

Baltimore, Maryland 19 Sept. 1960

R. Glaser

William E. Randall
Chief of Party

<table>
<thead>
<tr>
<th>State</th>
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<tbody>
<tr>
<td>Charting Name</td>
<td>Description</td>
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<tr>
<td>LIGHT</td>
<td>COBB PT. BAR LT., 1954</td>
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<tr>
<td></td>
<td>COBB ISLAND LT.</td>
</tr>
<tr>
<td></td>
<td>ROCK PT. LT. 1</td>
</tr>
<tr>
<td></td>
<td>NEALE SOUND CHAN. LT. 2</td>
</tr>
<tr>
<td></td>
<td>NEALE SOUND CHAN. DEN. 4</td>
</tr>
<tr>
<td></td>
<td>NEALE SOUND CHAN. DEN. 6</td>
</tr>
<tr>
<td></td>
<td>NEALE SOUND CHAN. LT. 8</td>
</tr>
<tr>
<td></td>
<td>NEALE SOUND CHAN. LT. 9</td>
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<tr>
<td></td>
<td>NEALE SOUND CHAN. LT. 11</td>
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</table>

<table>
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<tr>
<th>Position</th>
<th>Latitude °</th>
<th>Longitude °</th>
<th>Datum</th>
<th>Method of Location and Survey</th>
<th>Date of Location</th>
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<tr>
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<td>N.A. Triang.</td>
<td>12/7/59</td>
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<td>Photo Plot</td>
<td>5/13/59</td>
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<td>76°52'</td>
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<td>38°16'</td>
<td>76°52'</td>
<td>65</td>
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<td></td>
</tr>
</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 reetermined, 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**

- Bachelors Hope Point
- Bramleigh Creek
- Bramleigh Point

- Charleston Creek
- Cobb Island
- Cobb Neck
- Cobb Point
- Cobb Point Bar
- Cugold Creek

- Fennell Point
- Hatton Creek

**Issue**

- Lancaster Wharf
- Lone Holly

- Middletown
- Middletown Branch
- Mill Creek

- Neale Sound

- Persimmon Point
- Pon Point
- Potomac River
- Potomac View

- Rock Point
- Rock Point (settlement)
- S
- St. Margaret Island
- Shipping Point
- Swan Point
- Swan Point Neck

- Weir Creek
- Wise Marsh
- White Point
- White Point Bar
- White Point Island
- Wicomico River
- Woodland Point

---

*Geographic Names List*

*12 July 1963*
# Nautical Chart Division

**Record of Application to Charts**

_FILE WITH DESCRIPTIVE REPORT OF SURVEY NO. T-10921 AND T-10922_

## 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></td>
<td>Full Part Before After Verification Review Inspection Signed Via Drawing No.</td>
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</table>

FORM C&GS-8352 SUPERSEDES ALL EDITIONS OF FORM C&GS-975.

USCOMM-DC 8858-P63