

10903 10904  
10905

Diag. Cht. No. 77-6.

|                                           |                                               |
|-------------------------------------------|-----------------------------------------------|
| Form 504                                  |                                               |
| U. S. DEPARTMENT OF COMMERCE              |                                               |
| COAST AND GEODETIC SURVEY                 |                                               |
| DESCRIPTIVE REPORT                        |                                               |
| Type of Survey                            | Planimetric                                   |
| Field No.                                 | Ph-5901                                       |
| Office No.                                | T-10903, T-10904,<br>& T-10905                |
| LOCALITY                                  |                                               |
| State                                     | Maryland                                      |
| General locality                          | Potomac River                                 |
| Locality                                  | Ironsides, Welcome, and<br>Port Tobacco River |
| 19 58 - 1961                              |                                               |
| CHIEF OF PARTY                            |                                               |
| G. F. Wirth, Photo Party 723              |                                               |
| W. E. Randall, Baltimore District Officer |                                               |
| LIBRARY & ARCHIVES                        |                                               |
| DATE                                      | 1962 SEP 26 1963                              |

USCOMM-DC 5087

10903 • 10904  
10905







DESCRIPTIVE REPORT - DATA RECORD

T- 10903, T-10904 & T-10905

Project No. (II): Ph-5901

Quadrangle Name (IV):

Field Office (II): Faulkner, Md.

Chief of Party: G. F. Wirth

Photogrammetric Office (III): Baltimore, Md.

Officer-in-Charge: W. E. Randall

Instructions dated (II) (III): January 28, 1959  
Ltr. from Ass't. Dir. dated May 15, 1959  
" " " " " June 29, 1959

Copy filed in Division of  
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 (6) refer to sounding datum  
i.e., mean low water or mean lower low water

Reference Station (III): HILLTOP, 1934

Lat.:

Long.:

Adjusted

~~102012524~~

Plane Coordinates (IV):

State: Maryland

Zone: --

Y= 301,533.78

X= 2,393,406.10

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.

DESCRIPTIVE REPORT - DATA RECORD

T-10903, T-10904 & T-10905

PLANIMETRIC

Areas contoured by various personnel  
(Show name within area)  
(II) (III)

DESCRIPTIVE REPORT - DATA RECORD

Field Inspection by (II): G. F. Wirth, R. S. Tibbetts  
and E. E. Brown

Date: November thru  
December 1959

**Planetable contouring by' (11):**

Date:

**Completion Surveys by (II):**

Date:

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

Projection and Grids ruled by (IV): )  
 Projection and Grids checked by (IV): ) Data not available

Date:

Date:

Control plotted by (III): J. Steinberg

Date: 6/30/60

Control checked by (H): J. Mooney

Date: 6/30/60

~~Radial Plot or Stereoscopic~~  
~~Control extension by (III):~~ L. A. Senasack

Date: 11/15/60

**Stereoscopic Instrument compilation (III):**

**Planimetry**

**Contours**

Date:

Date:

Manuscript delineated by (III) J. Y. Council  
Manuscript scribed by: J. C. Cregan

Date: 1/18/61

Date: 7/25/62

Photogrammetric Office Review by (III): R. Glaser

Date: 5/2/61

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

Date:

DESCRIPTIVE REPORT - DATA RECORD

Field Inspection by (II): G. F. Wirth, R. S. Tibbetts,  
G. E. Brown

Date: November thru  
December 1959

Planetable contouring by (II): Inapplicable

Date:

Completion Surveys by (II):

Date:

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

Projection and Grids ruled by (IV): J. Keefer

Date: 6/2/60

Projection and Grids checked by (IV): W. S.

Date:

Control plotted by (III): J. Steinberg  
L. A. Senasack

Date: 6/30/60  
9/20/60

Control checked by (III): J. Mooney  
F. J. Tarcza

Date: 6/30/60  
9/20/60

Radial Plot or Stereoscopic  
~~Control extension by (III):~~ L. A. Senasack

Date: 11/15/60

Planimetry  
Stereoscopic Instrument compilation (III):  
Contours

Date:

Date:

Manuscript delineated by (III): J. Y. Councill

Date: 12/14/60

Manuscript scribed by: J. C. Cregan

Date: 7/16/62

Photogrammetric Office Review by (III): R. Glaser

Date: 5/1/61

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

Date:



DESCRIPTIVE REPORT - DATA RECORD

Field Inspection by (II): G. F. Wirth, R. S. Tibbetts  
and E. E. Brown

Date: November thru  
December 1959

Planetable contouring by (II): Inapplicable

Date:

Completion Surveys by (II):

Date:

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

Projection and Grids ruled by (IV): W. S.

Date: 5/16/60

Projection and Grids checked by (IV): (Data not available)

Date:

Control plotted by (III): J. Steinberg

Date: 7/1/60

Control checked by (III): J. Mooney

Date: 7/1/60

Radial Plot or Stereoscopic

Date: 11/15/60

Control extension by (III): L. A. Senasack

Planimetry

Date:

Stereoscopic Instrument compilation (III):

Contours

Date:

Manuscript delineated by (III): J. Y. Council

Date: 11/23/60

Manuscript scribed by: J. C. Cregan

Date: 6/14/62

Photogrammetric Office Review by (III): R. Glaser

Date: 4/26/61

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

Date:

T-10903  
DESCRIPTIVE REPORT - DATA RECORDU.S. DEPARTMENT OF COMMERCE  
COAST AND GEODETIC SURVEY

Camera (kind or source) (III): U. S. C. &amp; G. S. nine-lens camera

## PHOTOGRAPHS (III)

| Number           | Date    | Time  | Scale    | Stage of Tide  |
|------------------|---------|-------|----------|----------------|
| 57276 & 57277    | 5/22/58 | 11:19 | 1:10,000 | 0.1' above MLW |
| 57345 thru 57347 | 5/23/58 | 12:48 | "        | 0.1' " "       |

Tide (III)  
From Predicted TablesReference Station: Washington, D. C.  
Subordinate Station: Upper Cedar Point Lt, Md.  
Subordinate Station: Riberside, Md.

| Ratio of<br>Ranges | Mean<br>Range | Spring<br>Range |
|--------------------|---------------|-----------------|
| -                  | 2.9'          | 3.3'            |
| 0.41               | 1.2'          | 1.4'            |
| 0.38               | 1.1'          | 1.3'            |

*Final*  
~~Washington Office~~ Review by (IV): *Baltimore District Office - R. Glaser*

Date: 2-28-63

Final Drafting by (IV):

Date:

Drafting verified for reproduction by (IV):

Date:

Proof Edit by (IV):

Date:

Land Area (Sq. Statute Miles) (III): 13

Shoreline (More than 200 meters to opposite shore) (III): 6.3 mi.

Shoreline (Less than 200 meters to opposite shore) (III): 7.4 mi.

Control Leveling - Miles (II):

Number of Triangulation Stations searched for (II): 2

Recovered: 2

Identified: 2

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:

T-10904  
DESCRIPTIVE REPORT - DATA RECORDU.S. DEPARTMENT OF COMMERCE  
COAST AND GEODETIC SURVEY

Camera (kind or source) (III): U. S. C. &amp; G. S. nine-lens camera

## PHOTOGRAPHS (III)

| Number           | Date    | Time  | Scale    | Stage of Tide |
|------------------|---------|-------|----------|---------------|
| 57247 thru 57249 | 5/22/58 | 10:59 | 1:10,000 | 0.2 above MLW |
| 57274 & 57275    | "       | 11:19 | "        | 0.1 " "       |

## Tide (III)

From Predicted Tables

Reference Station: Washington, D. C.  
Subordinate Station: Chapel Pt., Port Tobacco River, Md.  
Subordinate Station: Upper Cedar Pt. Lt., Md.

| Ratio of<br>Ranges | Mean<br>Range | Spring<br>Range |
|--------------------|---------------|-----------------|
|                    | 2.9'          | 3.3'            |
| 0.52               | 1.5'          | 1.7'            |
| 0.41               | 1.2'          | 1.4'            |

*Final*  
~~Washington Office~~ Review by (IV): *Balta District Office - R. Glaser*

Date: 2-28-63

Final Drafting by (IV):

Date:

Drafting verified for reproduction by (IV):

Date:

Proof Edit by (IV):

Date:

Land Area (Sq. Statute Miles) (III): 13

Shoreline (More than 200 meters to opposite shore) (III): 5.0 Mi.

Shoreline (Less than 200 meters to opposite shore) (III): 4.3 Mi.

Control Leveling - Miles (II):

Number of Triangulation Stations searched for (II): 2 Recovered: 2 Identified: 2

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): 1

Remarks:

T-10905  
DESCRIPTIVE REPORT - DATA RECORDU.S. DEPARTMENT OF COMMERCE  
COAST AND GEODETIC SURVEY

Camera (kind or source) (III): U. S. C. &amp; G. S. Nine-lens camera and "W" camera

## PHOTOGRAPHS (III)

| Number           | Date    | Time | Scale    | Stage of Tide  |
|------------------|---------|------|----------|----------------|
| 59-W-9576 - 9577 | 10/5/59 | 1353 | 1:10,000 | 0.5' above MLW |
| 57250            | 5/22/58 | 1100 | "        | 0.2' " "       |
| 57282 thru 57284 | "       | 1145 | "        | 0.1' " "       |

Tide (III)  
From Predicted Tables

Reference Station: Washington, D. C.  
Subordinate Station: Chapel Pt., Port Tobacco River, Md.  
Subordinate Station:

| Ratio of<br>Ranges | Mean<br>Range | Spring<br>Range |
|--------------------|---------------|-----------------|
|                    | 2.9'          | 3.3'            |
| 0.52               | 1.5'          | 1.7'            |
|                    |               |                 |

*Final*  
~~Washington Office~~ Review by (IV): *Balto. District Office - R. Glaser*

Date: *7-28-63*

Final Drafting by (IV):

Date:

Drafting verified for reproduction by (IV):

Date:

Proof Edit by (IV):

Date:

Land Area (Sq. Statute Miles) (III): 11  
Shoreline (More than 200 meters to opposite shore) (III): 13.2 mi.  
Shoreline (Less than 200 meters to opposite shore) (III): 2.7 mi.  
Control Leveling - Miles (II):  
Number of Triangulation Stations searched for (II): 3 Recovered: 2 Identified: 2  
Number of BMs searched for (II): None Recovered: Identified:  
Number of Recoverable Photo Stations established (III): \*  
Number of Temporary Photo Hydro Stations established (III): 2

Remarks: \* 5 previously established stations searched for of which one  
was recovered. (Five Forms 524 submitted)

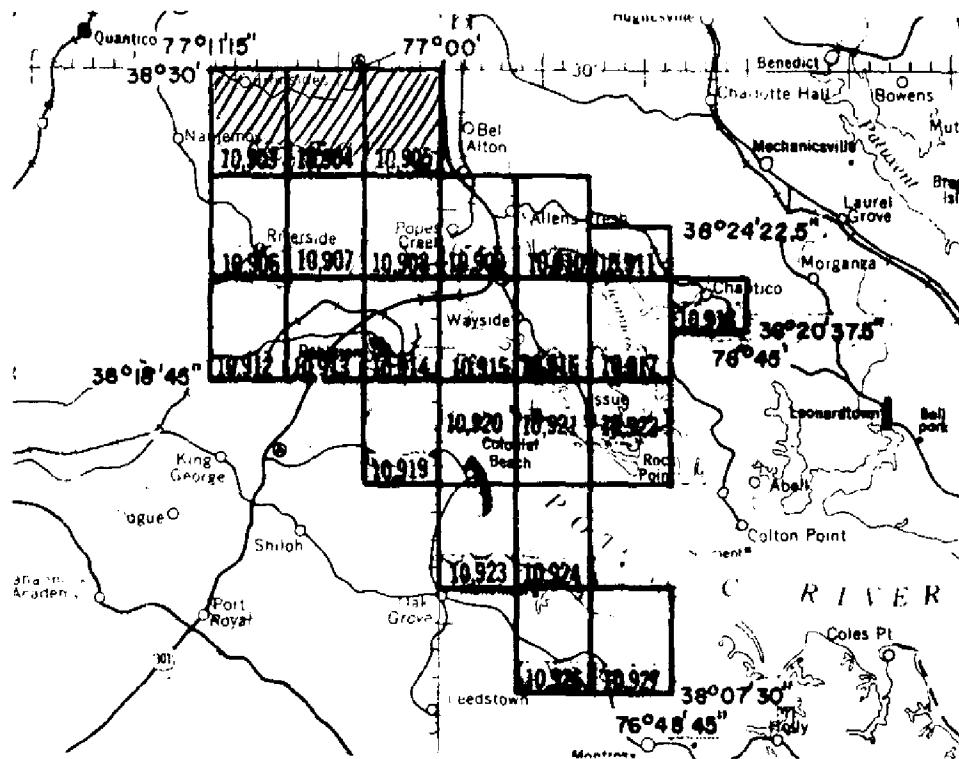
# PROJECT PH-5901

## Planimetric Mapping Scale 1:10,000

### Potomac River Va.-Md.

### Maryland Point to Wicomico River

5.



#### Official Mileage for Cost Accounts

| Sheet Number | Area Sq. Mi. | Lin. Mi. Shoreline | Sheet Number | Area Sq. Mi. | Lin. Mi. Shoreline |
|--------------|--------------|--------------------|--------------|--------------|--------------------|
| 10903        | 13           | 14                 | 10915        | 6            | 7                  |
| 10904        | 13           | 9                  | 10916        | 14           | 7                  |
| 10905        | 11           | 14                 | 10917        | 7            | 16                 |
| 10906        | 12           | 9                  | 10918        | 7            | 2                  |
| 10907        | 3            | 9                  | 10919        | 12           | 12                 |
| 10908        | 4            | 5                  | 10920        | 2            | 4                  |
| 10909        | 13           | 3                  | 10921        | 5            | 12                 |
| 10910        | 12           | 11                 | 10922        | 6            | 20                 |
| 10911        | 7            | 2                  | 10923        | 9            | 17                 |
| 10912        | 10           | 7                  | 10924        | 2            | 4                  |
| 10913        | 13           | 9                  | 10926        | 14           | 5                  |
| 10914        | 10           | 13                 | 10927        | 10           | 3                  |

TOTALS -- Area 215 Sq. Mi. Shoreline 214 Mi.

Summary to Accompany Descriptive Reports

T-10903, T-10904 & T-10905

Planimetric maps T-10903, T-10904 and T-10905 are the most northerly of 24 similar maps and one Shoreline Survey in project Ph-5901. These maps cover Fort Tobacco River and the northern portion of Nanjemoy 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, the establishment of recoverable photo-hydro stations, recovery and identification of horizontal control, recoverable topographic stations and landmarks. 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-10903, T-10904 and T-10905 will consist of a cronar film positive and cronar film negative of each scribed manuscript.

DEPARTMENT OF COMMERCE  
COAST AND GEODETIC SURVEY  
WASHINGTON 25

IN REPLY ADDRESS THE DIRECTOR  
COAST AND GEODETIC SURVEY  
AND NOT THE OWNER OF THIS LETTER

AND REFER TO NO. 732-MS

12 September 1960

To: • Baltimore District Officer  
Coast and Geodetic Survey  
518 - 32nd St.  
Baltimore 18, Maryland

Subject: Corps of Engineers Horizontal Control,  
Project Ph-5901

There is enclosed one copy of positions and descriptions of horizontal control established in the Nanjemoy quadrangle by the Corps of Engineers in 1943. These are third-order positions according to the description pamphlet.

Personnel from your office shall recover and identify stations as required to strengthen radial plots for Project Ph-5901 in maps T-10903 through T-10905.

This office shall be advised immediately if subject control is not recovered so that adequate steps can be taken to prevent delaying work now in progress on project 20,000-829.

A copy of this letter shall be inserted in, and made a part of, the descriptive report of each effected map.

*Charles Pierce*

Charles Pierce  
Rear Admiral, C&GS  
Deputy Director

Enclosure

SCALE FACTOR 1.000

|                            |         |              |         |                |
|----------------------------|---------|--------------|---------|----------------|
| 1 FT. = 3048006 METER      | DATE    | CHECKED BY   | DATE    | COMM. DC-57642 |
| COMPUTED BY: H. R. Rudolph | 6/22/60 | J. Steinberg | 6/24/60 |                |



MAP T-10903

PROJECT NO. Ph-5901

SCALE OF MAP  
1:10,000

SCALE FACTOR 1.000

[illegible]

1 FT. = .3048006 METER

COMPUTED BY: F. J. Tarcza

DATE 19 Sept. 1960

CHECKED BY: L. A. Senasack

DATE 19 Sept. 1960

COMM-DC-57843

MAP T-10904

PROJECT NO. Ph-5901

SCALE OF MAP..... 1:10,000

SCALE FACTOR ..... 1.000

[illegible]

1 FT. = 3048006 METER  
COMPUTED BY: L

ER  
L. A. Senasack

DATE 16 Sept. 1960

CHECKED BY: F. J. Tarcza

DATE 16 Sept. 1960

COMM-DC-57843



MAP T-10905

PROJECT NO. Ph-5901

SCALE OF MAP.....1:10,000.

SCALE FACTOR.....1.000

[illegible]

1 FT. = .3048006 METER  
COMPUTED BY: J

ER  
J. Steinberg

DATE 6/20/60

CHECKED BY: H. R. Rudolph

DATE 6/28/60

COMM-DC-57843

U.S. DEPARTMENT OF COMMERCE  
COAST AND GEODETIC SURVEY  
DESCRIPTIVE REPORT  
CONTROL RECORD

MAP T-10905 PROJECT NO. Ph-5901 SCALE OF MAP 1:10,000 SCALE FACTOR

| STATION                 | SOURCE OF INFORMATION (INDEX) | DATUM        | LATITUDE OR $\psi$ -COORDINATE<br>LONGITUDE OR $\lambda$ -COORDINATE | DISTANCE FROM GRID IN FEET,<br>OR PROJECTION LINE IN METERS<br>FORWARD (BACK) | DATUM<br>CORRECTION | N.A. 1927 - DATUM<br>DISTANCE<br>FROM GRID OR PROJECTION LINE<br>IN METERS<br>FORWARD (BACK) | FACTOR DISTANCE<br>FROM GRID OR PROJECTION LINE<br>IN METERS<br>FORWARD (BACK) |
|-------------------------|-------------------------------|--------------|----------------------------------------------------------------------|-------------------------------------------------------------------------------|---------------------|----------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------|
| (58-S-5015)<br>No. 1500 | IM<br>Strip<br>21             | N.A.<br>1927 | 294,736.8                                                            |                                                                               |                     |                                                                                              |                                                                                |
| 1501                    | "                             | "            | 2,423,872.7                                                          |                                                                               |                     |                                                                                              |                                                                                |
|                         |                               |              | 298,827.7                                                            |                                                                               |                     |                                                                                              |                                                                                |
| 1502                    | "                             | "            | 2,433,877.5                                                          |                                                                               |                     |                                                                                              |                                                                                |
|                         |                               |              | 294,155.2                                                            |                                                                               |                     |                                                                                              |                                                                                |
| 1503                    | "                             | "            | 2,423,583.3                                                          |                                                                               |                     |                                                                                              |                                                                                |
|                         |                               |              | 289,935.4                                                            |                                                                               |                     |                                                                                              |                                                                                |
| (58-S-5014)<br>1400     | "                             | "            | 2,412,830.1                                                          |                                                                               |                     |                                                                                              |                                                                                |
|                         |                               |              | 285,468.0                                                            |                                                                               |                     |                                                                                              |                                                                                |
| 1401                    | "                             | "            | 2,427,689.4                                                          |                                                                               |                     |                                                                                              |                                                                                |
|                         |                               |              | 290,987.8                                                            |                                                                               |                     |                                                                                              |                                                                                |
| 1402                    | "                             | "            | 2,440,390.2                                                          |                                                                               |                     |                                                                                              |                                                                                |
|                         |                               |              | 284,652.0                                                            |                                                                               |                     |                                                                                              |                                                                                |
| 1403                    | "                             | "            | 2,427,105.2                                                          |                                                                               |                     |                                                                                              |                                                                                |
|                         |                               |              | 285,332.3                                                            |                                                                               |                     |                                                                                              |                                                                                |
| 9302                    | "                             | "            | 2,416,106.4                                                          |                                                                               |                     |                                                                                              |                                                                                |
|                         |                               |              | 286,943.9                                                            |                                                                               |                     |                                                                                              |                                                                                |
| 9102                    | "                             | "            | 2,412,404.5                                                          |                                                                               |                     |                                                                                              |                                                                                |
|                         |                               |              | 293,268.8                                                            |                                                                               |                     |                                                                                              |                                                                                |
| 1404                    | "                             | "            | 2,422,815.8                                                          |                                                                               |                     |                                                                                              |                                                                                |
|                         |                               |              | 287,024.4                                                            |                                                                               |                     |                                                                                              |                                                                                |
| (58-S-590)<br>9000      | IM<br>Strip<br>No. 17         | "            | 2,433,449.9                                                          |                                                                               |                     |                                                                                              |                                                                                |
|                         |                               |              | 296,733.90                                                           |                                                                               |                     |                                                                                              |                                                                                |
|                         |                               |              | 2,428,907.50                                                         |                                                                               |                     |                                                                                              |                                                                                |

U.S. DEPARTMENT OF COMMERCE  
COAST AND GEODETIC SURVEY  
DESCRIPTIVE REPORT  
CONTROL RECORD

MAP T-10905 PROJECT NO. Ph-5901 SCALE OF MAP 1:10,000 SCALE FACTOR 1.000

| STATION                | SOURCE OF INFORMATION (INDEX) | DATUM     | LATITUDE OR $y$ -COORDINATE<br>LONGITUDE OR $x$ -COORDINATE | DISTANCE FROM GRID IN FEET.<br>OR PROJECTION LINE IN METERS<br>FORWARD (BACK) | DATUM CORRECTION | N.A. 1927 - DATUM<br>DISTANCE FROM GRID OR PROJECTION LINE<br>IN METERS<br>FORWARD (BACK) | FACTOR DISTANCE<br>FROM GRID OR PROJECTION LINE<br>IN METERS<br>FORWARD (BACK) |
|------------------------|-------------------------------|-----------|-------------------------------------------------------------|-------------------------------------------------------------------------------|------------------|-------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------|
| 9001                   | TM Strip No. 17               | N.A. 1927 | 303,308.60                                                  |                                                                               |                  |                                                                                           |                                                                                |
| 9002                   | "                             | "         | 2,423,862.80                                                |                                                                               |                  |                                                                                           |                                                                                |
|                        | "                             | "         | 296,791.70                                                  |                                                                               |                  |                                                                                           |                                                                                |
| 9003                   | "                             | "         | 2,428,458.40                                                |                                                                               |                  |                                                                                           |                                                                                |
|                        | "                             | "         | 290,530.40                                                  |                                                                               |                  |                                                                                           |                                                                                |
|                        | "                             | "         | 2,433,769.30                                                |                                                                               |                  |                                                                                           |                                                                                |
| (Sub Pt "A" Bel Alton) | "                             | "         | 292,094.20                                                  |                                                                               |                  |                                                                                           |                                                                                |
| 9004                   | "                             | "         | 2,430,543.10                                                |                                                                               |                  |                                                                                           |                                                                                |
| (Sub Pt "B" Bel Alton) | "                             | "         | 291,702.00                                                  |                                                                               |                  |                                                                                           |                                                                                |
| 9005                   | "                             | "         | 2,430,262.10                                                |                                                                               |                  |                                                                                           |                                                                                |
| (Tie Pt for Strip 21)  | "                             | "         | 298,780.50                                                  |                                                                               |                  |                                                                                           |                                                                                |
| 9006                   | "                             | "         | 2,422,630.60                                                |                                                                               |                  |                                                                                           |                                                                                |
| (58-S-591)             | "                             | "         | 292,834.50                                                  |                                                                               |                  |                                                                                           |                                                                                |
| 9100                   | "                             | "         | 2,423,280.80                                                |                                                                               |                  |                                                                                           |                                                                                |
| 9101                   | "                             | "         | 300,340.50                                                  |                                                                               |                  |                                                                                           |                                                                                |
|                        | "                             | "         | 2,418,419.10                                                |                                                                               |                  |                                                                                           |                                                                                |
| 9103                   | "                             | "         | 286,345.10                                                  |                                                                               |                  |                                                                                           |                                                                                |
|                        | "                             | "         | 2,427,220.40                                                |                                                                               |                  |                                                                                           |                                                                                |
| (Church Steeple - LMK) | "                             | "         | 294,261.80                                                  |                                                                               |                  |                                                                                           | 1                                                                              |
| 9104                   | "                             | "         | 2,422,547.90                                                |                                                                               |                  |                                                                                           | 3                                                                              |
| (HYDRO SILO)           | "                             | "         | 289,964.20                                                  |                                                                               |                  |                                                                                           | 1                                                                              |
| 9105                   | "                             | "         | 2,425,559.90                                                |                                                                               |                  |                                                                                           |                                                                                |
| (58-S-592)             | "                             | "         | 288,978.90                                                  |                                                                               |                  |                                                                                           |                                                                                |
| 9200                   | "                             | "         | 2,418,017.50                                                |                                                                               |                  |                                                                                           |                                                                                |

MAP T-10905

PROJECT NO. Ph-5901

SCALE OF MAP.....1:10,000.

SCALE FACTOR.....1.000

[illegible]

1 FT. = 3048006 METER  
COMPUTED BY: J.

DATE 6/22/60

CHECKED BY: H. R. Rudolph

DATE 6/23/60

COMM-DC-57842

The photogrammetric plot report covering the area of these surveys is part of the combined Descriptive Report T-10926 and T-10927.

The field inspection report for these manuscripts is included with the combined Descriptive Report T-10921 and T-10922.

31. DELINEATION

These manuscripts were compiled by the graphic method.

An area at the head of Port Tobacco River (T-10905) was shown by the field party as being under construction - the construction consisting of housing and canals. The hydrographic party is being requested to complete this inspection.

32. CONTROL

The identification and placement of the control which was available was satisfactory.

Additional horizontal control was identified as per letter from the Deputy Director dated 12 September 1960, a copy of which is part of this report.

After this additional identification was made, the control density is considered adequate, though minimal.

33. SUPPLEMENTAL DATA

Geographic name sheets prepared on U.S.G.S. Mathias Point and Nanjemoy quadrangles, approved by L. Heck and dated 10/10/60.

34. CONTOURS AND DRAINAGE

Contours: Inapplicable.

Drainage: With the exception of drainage through marsh areas which could be seen easily on the photographs, all other drainage was under dense foliage and was very difficult to delineate accurately. Field inspected drainage was checked against the 1954 U.S.G.S. quadrangles and was accepted only where it did not violate the contours. The balance of the drainage was office interpreted, then also checked against the drainage as projected onto the manuscript from the quadrangles.

35. SHORELINE AND ALONGSHORE DETAILS

The shoreline inspection, although reinterpreted in some areas where there was more recent photo coverage, was considered adequate.

No low-water or shoal lines were field inspected and none were shown on the manuscripts.



36. OFFSHORE DETAILS

No comment.

37. LANDMARKS AND AIDS

Forms 567 are herewith submitted for one Landmark for charts and one Landmark for Aeronautical Charts

38. CONTROL FOR FUTURE SURVEYS

Form 524 is herewith submitted for one (1) previously established recoverable topographic station which was recovered. In addition, four (4) Forms 524 are submitted for previously established stations which could not be recovered.

A list of recoverable topographic stations and photo-hydro stations is included in item 49.

39. JUNCTIONS

Junctions have been made and are in agreement between these three surveys. Junctions have also been made and are in agreement between this unit and T-10906, T-10907 and T-10908 to the south. There are no contemporary surveys to the north, east and west.

40. HORIZONTAL AND VERTICAL ACCURACY

No comment.

41. thru 45

Inapplicable.

46. COMPARISON WITH EXISTING MAPS

U. S. G. S. Mathias Point, Md.-Va. quadrangle, scale 1:24,000, dated 1954.

U.S.G.S. Nanjemoy, Md. quadrangle, scale 1:24,000, dated 1954.

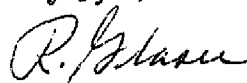
47. COMPARISON WITH NAUTICAL CHARTS

Chart 559, scale 1:40,000, 5th edition October 17, 1960, corrected thru Notice to Mariners No. 44, October 29, 1960.

Items to be applied to nautical charts immediately: None.

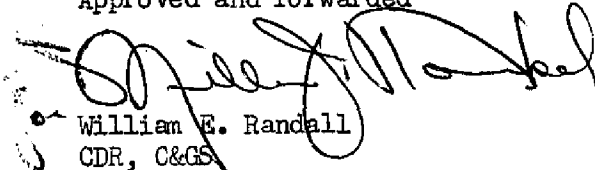
Items to be carried forward: None.

Respectfully submitted  
May 3, 1961



R. Glaser  
Carto. (Photo.)

Approved and forwarded



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

T-10903, T-10904, T-10905

Addenda to Descriptive Report

Ratio prints of the following photographs were prepared for the use of the hydro support party:

T-10903

61-S-2209 thru 2212

T-10904

61-S-2206 thru 2209  
61-S-3289 and 3290

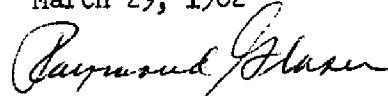
T-10905

61-S-2081 and 2082  
61-S-2163 thru 2166  
61-S-3257  
61-S-3299 thru 3301

These photographs were also used in the compilation office to revise shoreline and alongshore details on the manuscript prior to reproduction.

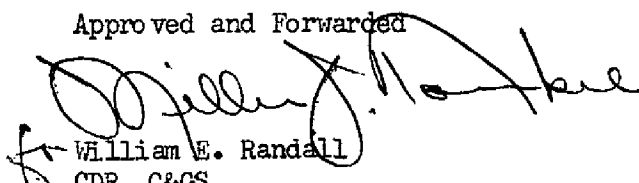
The centers of the photos have been shown on the manuscript with dashed circles.

Respectfully submitted  
March 29, 1962



Raymond Glaser  
Carto. (Photo.)

Approved and Forwarded



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

5-3-61

PHOTOGRAMMETRIC OFFICE REVIEW

T-10903, T-10904 & T-10905

1. Projection and grids ☒ 2. Title ☒ 3. Manuscript numbers ☒ 4. Manuscript size ☒

4a. Classification label ☒

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 along-shore 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. R. Glaser  
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.

\_\_\_\_\_  
Compiler

\_\_\_\_\_  
Supervisor

43. Remarks:

Review Report T-10903, T-10904 & T-10905  
PLANIMETRIC  
February 28, 1963

61. GENERAL STATEMENT

See Summary accompanying Descriptive Report.

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS

|          |          |      |
|----------|----------|------|
| T-10903: |          |      |
| 2635     | 1:20,000 | 1902 |
| T-10904: |          |      |
| 2635     | 1:20,000 | 1902 |
| T-10905: |          |      |
| 861      | 1:20,000 | 1862 |
| 2635     | 1:20,000 | 1902 |

*T-10903, T-10904 and T-10905 supersede the above prior surveys for nautical chart construction.*

63. COMPARISON WITH MAPS OF OTHER AGENCIES

|                                 |          |      |
|---------------------------------|----------|------|
| U.S.G.S. Mathias Point, Md.-Va. | 1:24,000 | 1954 |
| U.S.G.S. Nanjemoy, Maryland     | 1:24,000 | 1954 |

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS

The manuscripts were compared with a copy of boat sheet H-8705, 1:10,000, 1962.

T-10903:

The manuscript and boat sheet were in good agreement except:

Soundings on the boat sheet appear to be shifted too close to a low-water area and a small islet at Lat. 38° 26.9' - Long. 77° 09.2' on the manuscript. Neither the islet nor the low-water line were delineated on the boat sheet.

T-10904:

The manuscript and the boat sheet are in very good agreement.

T-10905:

Only one disagreement between the manuscript and the boat sheet was noted. A foul area delineated on the manuscript in Goose Creek is not reflected on the boat sheet. Field inspection on nine-lens photograph 57250 showed this feature as "old piling scattered in area."

65. COMPARISON WITH NAUTICAL CHARTS

559 1:40,000 5th Edition 10/17/60 Corrected 10/29/60

T-10903:

A number of piers shown on the manuscript do not appear on the chart.

The configuration of the shoreline is in fair general agreement, but many small differences are evident.

T-10904:

A boat house, a bulkhead, and a number of piers shown on the manuscript are not on the chart.

T-10905:

The manuscript shows considerable change at the head of Port Tobacco River where a new marina is under construction.

A 10 to 15 foot bluff at Brentland is not shown on the chart.

A number of piers on the manuscript are not on the chart.

Pier ruins at Chapel Point and Fourth Point are 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.

Future surveys should check the adequacy of representation of the marina at the head of Port Tobacco River which was under construction at the time of the July 1961 photography. (See T-10905)

Reviewed by:

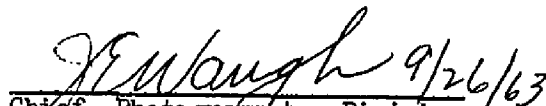
  
R. Glaser

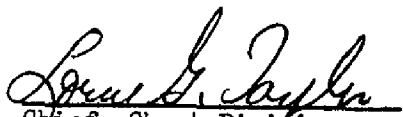
Approved by:

  
Baltimore District Officer

Approved by:

  
Chief, Review Section

 9/26/63  
Chief, Photogrammetry Division

  
Chief, Chart Division  
Nautical

  
Chief, Operations Division

U.S. DEPARTMENT OF COMMERCE  
COAST AND GEODETIC SURVEYAERONAUTICAL  
NONFLIGHTING AIDS/98 LANDMARKS FOR CHARTS

TO BE CHARTED

STRIKE OUT TWO

~~TO BE REVISED  
TO BE DELETED~~

Baltimore, Maryland 3 May 1961

I recommend that the following objects which ~~have not~~ (have not) been inspected from seaward to determine their value as landmarks be charted on ~~(appended)~~ the charts indicated.

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

William E. Randall Chief of Party

| MARYLAND      |                                                                     |             |             | POSITION     |    |              |     |       |    | METHOD OF LOCATION AND SURVEY | DATE OF LOCATION | HARBOR CHART | INSHORE CHART | OFFSHORE CHART | CHARTS AFFECTED |                      |  |  |
|---------------|---------------------------------------------------------------------|-------------|-------------|--------------|----|--------------|-----|-------|----|-------------------------------|------------------|--------------|---------------|----------------|-----------------|----------------------|--|--|
| STATE         | CHARTING NAME                                                       | DESCRIPTION | SIGNAL NAME | LATITUDE *   |    | LONGITUDE *  |     | DATUM |    |                               |                  |              |               |                |                 |                      |  |  |
|               |                                                                     |             |             | D. M. METERS | "  | D. M. METERS | "   |       |    |                               |                  |              |               |                |                 |                      |  |  |
| LOOKOUT TOWER | Hilltop Lookout Tower, 1957<br>Ht=139.6 (298) tip of antenna<br>MSL |             |             | 38           | 29 | 27.93        | 861 | 77    | 06 | 02.25                         | N.A.             | Triang.      | 3 Dec. 1959   | X              |                 | Washington Sectional |  |  |
|               |                                                                     |             |             |              |    |              |     |       |    |                               |                  |              |               |                |                 |                      |  |  |
|               |                                                                     |             |             |              |    |              |     |       |    |                               |                  |              |               |                |                 |                      |  |  |
|               |                                                                     |             |             |              |    |              |     |       |    |                               |                  |              |               |                |                 |                      |  |  |
|               |                                                                     |             |             |              |    |              |     |       |    |                               |                  |              |               |                |                 |                      |  |  |
|               |                                                                     |             |             |              |    |              |     |       |    |                               |                  |              |               |                |                 |                      |  |  |
|               |                                                                     |             |             |              |    |              |     |       |    |                               |                  |              |               |                |                 |                      |  |  |
|               |                                                                     |             |             |              |    |              |     |       |    |                               |                  |              |               |                |                 |                      |  |  |
|               |                                                                     |             |             |              |    |              |     |       |    |                               |                  |              |               |                |                 |                      |  |  |
|               |                                                                     |             |             |              |    |              |     |       |    |                               |                  |              |               |                |                 |                      |  |  |
|               |                                                                     |             |             |              |    |              |     |       |    |                               |                  |              |               |                |                 |                      |  |  |

This form shall be prepared in accordance with Hydrographic Manual, Publication 20.2, Sec. 6-36, Fig. 79. 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

STRIKE OUT TWO

**TOP SECRET**

## NONFLIPPING/ AIDS/ OR LANDMARKS FOR CHARTS

**Baltimore, Maryland**

April 19 61

I recommend that the following objects which have ~~0444/144~~ been inspected from seaward to determine their value as landmarks be charted on ~~0444/144~~ the charts indicated.

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

**William E. Randall** *Chief of Party.*

[illegible]

This form shall be prepared in accordance with Hydrographic Manual, Publication 20.2, Sec. 6-36, Fig. 79. 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**

USCOMM-DC 25412-P61



48. Geographic Names List

Barn Cove  
Boot Creek  
Brentland  
Burgess Creek

Cedar Point Neck  
~~Chapel Point~~  
Deep Point

Fourth Point

Goose Creek  
Gumtree Cove

Hill Top  
Hill Top Fork

Ironsides

Kings Creek

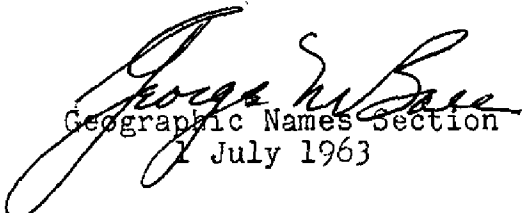
Maryland State Game Refuge  
McConchie  
Mill Run

Nanjemoy Creek

Port Tobacco River  
Potomac River

Tayloe Neck

Wards Run  
Warehouse Point  
Welcome  
Wills Branch  
Windmill Point

  
Geographic Names Section  
1 July 1963

NOTES TO VERIFIER  
Ph-5901  
T-10903 & T-10905  
Boat Sheet No. H-8705  
February 1963

T-10903:

Soundings on the boat sheet appear to be shifted too close to a low-water area and a small islet at Lat.  $38^{\circ} 26.9'$  Long.  $77^{\circ} 09.2'$  on the manuscript. Neither the islet nor the low-water line were delineated on the boat sheet.

  
R. Glaser  
Review and Edit

