
U. S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT

Type of Survey: Planimetric
Field No.: Ph-5903
Office No.: T-10907

LOCALITY
State: Maryland
General locality: Potomac River
Locality: Riverside and Blossom Point

1932-1934

CHIEF OF PARTY
G. F. Wirth, Photo Party 723
W. E. Randall, Baltimore District Officer

LIBRARY & ARCHIVES:

DATE: SEP 26, 1933
<table>
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<th>Compilation Record</th>
<th>Completion Date</th>
<th>Remarks</th>
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<td>Superseded</td>
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<tr>
<td>Shoreline details revised from July 1961 photographs (Potomac River only)</td>
<td>3/21/62</td>
<td>Superseded</td>
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<tr>
<td>Shoreline of Nanjemoy Creek revised to limits of July 1961 photo coverage.</td>
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<td>Supersedes all previous copies.</td>
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DESCRIPTIVE REPORT - DATA RECORD

T - 10906 & 10907

Project No. (II): Ph-5901

Quadrangle Name (IV):

Field Office (II): Faulkner, Maryland

Chief of Party: G. F. Wirth

Photogrammetric Office (III): Baltimore, Maryland

Officer-in-Charge: William E. Randall

Instructions dated (II) (III): January 28, 1959

Letter 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):

Reference Station (III): DIGGS, 1934

Lat.: 38° 23' 13.363" (412.0 m) Long.: 77° 08' 46.740" (1134.4 m) Adjusted

Plane Coordinates (IV):

State: Maryland Zone:

X = 758,058.96

Roman numerals indicate whether the item is to be entered by (II) Field Party, (III) Photogrammetric Office, or (IV) Washington Office.

When entering names of personnel on this record give the surname and initials, not initials only.
Areas contoured by various personnel
(Show name within area)
(II) (III)
Field Inspection by (II): G. F. Wirth  
                        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): 17 Dec. 59 - field inspection on 1958 and 1959 photos.
                        Date:

Projection and Grids ruled by (IV): W. S.
                        Date: 5/16/60

Projection and Grids checked by (IV):
                        Date:

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

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

Radial Plot or Stereoscopic Control extension by (III):
                        Date: 11/15/60

Stereoscopic Instrument compilation (III):
                        Planimetry
                        Date:
                        Contours
                        Date:

Manuscript delineated by (III): J. C. Richter
                        Date: 1/11/61

Manuscript scribed by: J. C. Cregan
                        Date: 6/4/62

Photogrammetric Office Review by (III): R. Glaser
                        Date: 5/10/61

Elevations on Manuscript
checked by (II) (III):
                        Date:
Field Inspection by (II):  
G. F. Wirth  
E. E. Brown  
J. E. Tolodziecki

Date: November thru December 1959

Planetary contouring by (II): Date:

Completion Surveys by (II): Date:

Mean High Water Location (III) (State date and method of location): 17 Dec. 1959 - field inspection on 1958 photos.

Projection and Grids ruled by (IV): W. S. Date: 5/16/60

Projection and Grids checked by (IV):

Control plotted by (III): J. Steinberg Date: 7/1/60

Control checked by (III): J. Mooney Date: 7/1/60

Radial Plot or Stereoscopic Control extension by (III):

L. A. Senasack Date: 11/15/60

Stereoscopic Instrument compilation: (III): Planimetry) Inapplicable  
Contours 

Manuscript delineated by (III): J. C. Richter Date: 12/24/60

Manuscript scribed by: J. C. Cregan Date: 4/24/62

Photogrammetric Office Review by (III): R. Glaser Date: 5/15/61

Elevations on Manuscript checked by (II) (III): Date:
### Photographs (III)

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From Predicted Tables

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Date: 3/27/63

Final Drafting by (IV):

Drafting verified for reproduction by (IV):

Proof Edit by (IV):

**Land Area (Sq. Statute Miles) (III):** 12

**Shoreline (More than 200 meters to opposite shore) (III):** 4.3 miles

**Shoreline (Less than 200 meters to opposite shore) (III):** 5.6 miles

**Control Leveling - Miles (II):**

**Number of Triangulation Stations searched for (II):** 4

**Recovered:** 4

**Identified:** 3

**Number of BMs searched for (II):** None

**Number of Recoverable Photo Stations established (II):** 18

**Number of Temporary Photo Hydro Stations established (III):**

Remarks: *See item 38, Compilation Report*
**T-10907**

**DESCRIPTIVE REPORT - DATA RECORD**


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<tr>
<th>Number</th>
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![1861 photos](image)

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**Tide (III)**

From Predicted Tables

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<td>1.1'</td>
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**Washington Office Review by (IV):** B. D. District Office - R. Glauser

Date: 3/27/63

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Final Drafting by (IV):

Drafting verified for reproduction by (IV):

Proof Edit by (IV):

Land Area (Sq. Statute Miles) (III): 4

Shoreline (More than 200 meters to opposite shore) (III): 8.4 miles

Shoreline (Less than 200 meters to opposite shore) (III): 0.8 mile

Control Leveling - Miles (II):

Number of Triangulation Stations searched for (II): 3

Number of BMs searched for (II): None

Number of Recoverable Photo Stations established (III): 1

Number of Temporary Photo Hydro Stations established (III): None

Remarks:
**PROJECT PH-5901**

Planimetric Mapping  Scale 1:10,000

Potomac River  Va.-Md.

Maryland Point to Wicomico River

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**Official Mileage for Cost Accounts**

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**TOTAL:** Area 215 Sq. Ml.  Shoreline 214 Ml.
Summary to Accompany Descriptive Reports
T-10906 & T-10907

Planimetric maps T-10906 and T-10907 are part of Project Ph-9701 which consists of 24 planimetric maps and one shoreline survey. These maps cover a portion of the Maryland shore of the Potomac River and include the area of Riverside, Blossom Point Proving Grounds, a portion of Nanjemoy Creek and a small section of Mathias Point Neck on the Virginia side of the river. This is a graphically compiled project at a scale of 1:10,000 in advance of hydrographic surveys to be made in the area. The maps were covered by 9-lens photography of May 1958, single lens "W" photography of May 1958 and October 1959 and supplemented by single lens "S" photography of July and August 1961. 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 topographic stations and the recovery and identification of horizontal control, landmarks and 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-10906 and T-10907 will consist of a cronar film positive and a cronar film negative of each scribed manuscript.
<table>
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<th>STATION</th>
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<th>LATITUDE OR γ-COORDINATE</th>
<th>DISTANCE FROM GRID IN FEET, OR PROJECTION LINE IN METERS</th>
<th>N.A. 1927 - DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS</th>
<th>FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS</th>
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1 FT. = 0.02083 METER

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CHECKED BY: H. R. Rudolph               DATE: 6/28/60
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1 FT. = 0.0304800 METER

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CHECKED BY: H. R. Rudolph    DATE: 6/24/60
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1 ft. = 0.3048006 meter  
COMPUTED BY: J. Steinberg  
DATE: 6/20/60  
CHECKED BY: H. R. Rudolph  
DATE: 6/28/60  
FORM: 161  
(1:29:56)  
U.S. DEPARTMENT OF COMMERCE  
COAST AND GEODETIC SURVEY  
DESCRIPTIVE REPORT  
CONTROL RECORD  
MAP T. 10907  
PROJECT NO. Ph-5901  
SCALE OF MAP 1:10,000  
SCALE FACTOR 1,000
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<th>LONGITUDE OR X-COORDINATE</th>
<th>DISTANCE FROM GRID IN FEET</th>
<th>FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS</th>
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1 FT. = 0.3048006 METER

COMPUTED BY: J. Steinberg  DATE  6/22/60  CHECKED BY: H. R. Rudolph  DATE  6/24/60
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<th>LONGITUDE OR x-COORDINATE</th>
<th>DISTANCE FROM GRID IN FEET, OR Projection Line in Meters</th>
<th>DATUM CORRECTION</th>
<th>N.A. 1927-DATUM DISTANCE FROM GRID OR Projection Line in Meters</th>
<th>FACTOR DISTANCE FROM GRID OR Projection LINE IN METERS</th>
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1 FT. = 0.3048008 Meter

COMPUTED BY: J. Steinberg DATE: 6/22/60
CHECKED BY: H. R. Rudolph DATE: 6/24/60

SCALE OF MAP: 1:10,000
SCALE FACTOR: 1.000
COMPILATION REPORT
T-10906 & T-10907

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.

32. **CONTROL**

The identification and placement of horizontal control was satisfactory. The density of control while adequate, was at a minimum.

33. **SUPPLEMENTAL DATA**

Geographic name sheets prepared on U.S.G.S. Nanjemoy and Mathias Point 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 1951 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 was adequate.

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

Limits of grass in water were office interpreted from data furnished by the field party.

36. **OFFSHORE DETAILS**

No comment.
37. **LANDMARKS AND AIDS**

Forms 567 are herewith submitted for three non-floating aids to navigation and one landmark.

38. **CONTROL FOR FUTURE SURVEYS**

Two non-monumented recoverable topographic stations were established and are listed in item 49.

The field party could not recover triangulation station MARSH, 1928 and therefore established a third topo station, PIER 1959 in order to satisfy control requirements. However, since MARSH, 1928 was subsequently recovered, (see cahier 347, page 16) PIER, 1959 was not delineated.

39. **JUNCTIONS**

Junctions have been made and are in agreement between these two surveys. Junctions have also been made and are in agreement between this unit and

T-10903 and T-10904 to the north,
T-10912 and T-10913 to the south,
T-10908 to the east,
No contemporary survey to the west.

40. **HORIZONTAL AND VERTICAL ACCURACY**

No comment.

41 thru 45.

Inapplicable

46. **COMPARISON WITH EXISTING MAPS**

T-10906:
U.S.G.S. Nanjemoy, Md., quadrangle, scale 1:24,000 dated 1954.

T-10907:
U.S.G.S. Mathias Point, Md.-Va. quadrangle, scale 1:24,000, dated 1954.
47. **COMPARISON WITH NAUTICAL CHARTS**


Items to be applied to nautical charts immediately: None.

Items to be carried forward: None.

Respectfully submitted
May 16, 1961

Raymond Glaser
Carto. (Photo.)

Approved and forwarded

William E. Randall
CDR, C2GS
Baltimore District Officer
Addenda to Descriptive Report

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

T-10906:
61-S-2088 thru 2092
61-S-3290 thru 3293
61-S-2212 (Nanjemoy Creek)

T-10907:
61-S-2083 thru 2087
61-S-3265 thru 3266
61-S-3290 thru 3293

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 21, 1962

Raymond Glaser
R. Glaser
Carto. (Photo.)

Approved and forwarded

William E. Randall
CDR, O&GS
Baltimore District Officer
PHOTOGRAMMETRIC OFFICE REVIEW
T-10906 8 7-10907

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

CONTROL STATIONS
5. Horizontal control stations of third-order or higher accuracy  
6. Recoverable horizontal stations of less than third-order accuracy (topographic stations)  
7. Photo hydro stations  
8. Bench marks  
9. Plotting of sextant fixes  
10. Photogrammetric plot report  
11. Detail points  

ALONGSHORE AREAS
(Nautical Chart Data)
12. Shoreline  
13. Low-water line  
14. Rocks, shoals, etc.  
15. Bridges  
16. Aids to navigation  
17. Landmarks  
18. Other alongshore physical features  
19. Other alongshore cultural features  

PHYSICAL FEATURES
20. Water features  
21. Natural ground cover  
22. Planetable contours  
23. Stereoscopic instrument contours  
24. Contours in general  
25. Spot elevations  
26. Other physical features  

CULTURAL FEATURES
27. Roads  
28. Buildings  
29. Railroads  
30. Other cultural features  

BOUNDARIES
31. Boundary lines  
32. Public land lines  

MISCELLANEOUS
33. Geographic names  
34. Junctions  
35. Legibility of the manuscript  
36. Discrepancy overlay  
37. Descriptive Report  
38. Field inspection photographs  
39. Forms  

40. Reviewer

41. Remarks (see attached sheet)

FIELD COMPLETION ADDITIONS AND CORRECTIONS TO THE MANUSCRIPT

42. Additions and corrections furnished by the field completion survey have been applied to the manuscript. The manuscript is now complete except as noted under item 43.

43. Remarks:
61. **GENERAL STATEMENT**

See Summary accompanying Descriptive Report.

62. **COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS**

<table>
<thead>
<tr>
<th>T-10906:</th>
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</thead>
<tbody>
<tr>
<td>862</td>
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<td>1862</td>
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<tr>
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<td>1862</td>
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<td>2636</td>
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<th>T-10907:</th>
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<tr>
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<td>1862</td>
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<td>1:20,000</td>
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<td>2636</td>
<td>1:20,000</td>
<td>1934</td>
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</table>

T-10906 and T-10907 supersede the above prior surveys for nautical chart construction.

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

<table>
<thead>
<tr>
<th>U.S.G.S. Nanjemoy, Md.</th>
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<th>1954</th>
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<tbody>
<tr>
<td>U.S.G.S. Mathias Point, Md.-Va.</td>
<td>1:24,000</td>
<td>1954</td>
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64. **COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS**

| H-8706 | 1:10,000 | 1962 (Boat sheet) |

The boat sheet covers only a portion of the subject manuscripts.

T-10906:

The hydrographic survey shows an inlet at Lat. 38° 25.8' Long. 77° 07.5' which is nonexistent on the manuscripts and photograph 61-S-3291.

The representation of the shoreline of Nanjemoy Creek on the boat sheet differs with that on the manuscript in several places. This area on the manuscript was delineated from field inspection on 9-lens photographs 5734, 5734, and 5734.

T-10907:
Minor discrepancies between the manuscript and the boat sheet were resolved.

H-8706 | 1:10,000 | 1962 (Boat sheet)

The boat sheet covers only a portion of the subject manuscripts.

T-10906:
A foul area on the manuscript, delineated from field photo 99-W-9561 at Lat. 38° 22.5' Long. 77° 10', is not shown on the boat sheet.
T-10907:
The boat sheet and the manuscript are in good agreement.

65. COMPARISON WITH NAUTICAL CHARTS

T-10906 and T-10907:
General agreement between the chart and the manuscripts is good.

Some differences exist in the interpretation of bluffs; also, each manuscript shows several piers which are not charted.

T-10907:
The manuscript shows a fish trap which is not charted.

66. ADEQUACY OF RESULTS AND FUTURE SURVEYS

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

Future surveys should investigate the existence of fish traps, nets, weirs, piling and ruins just off Blossom Point which were reported by the field party via notes on field photos 5731H and 5B-S-1094E. These obstructions were not visible on the photographs and are therefore not delineated on the manuscript. The boat sheet covering the area, H-8706, also does not show these reported obstructions.

In addition, future surveys should investigate a possible discrepancy in the spelling of a geographic name. TALOES NECK ROAD (from field inspection) does not correspond with the spelling of TAYLOE NECK, an approved geographic name.

Reviewed by:

R. Glaser

Approved by:

Baltimore District Officer

Approved by:

Chief, Review Section

Chief, Chart Division

Chief, Photogrammetry Division

Chief, Operations Division
**NONFLOATING AIDS OR LANDMARKS FOR CHARTS**

Baltimore, Maryland  
Jan. 10, 1961

I recommend that the following objects which have **(deleted)** been inspected from seaward to determine their value as landmarks be charted on **(handwritten)** the charts indicated.

The positions given have been checked after listing by

R. Glaser

---

**MARYLAND**

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<tr>
<th>CHARTING NAME</th>
<th>DESCRIPTION</th>
<th>SIGNAL NAME</th>
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<th>LONGITUDE</th>
<th>DATUM</th>
<th>METHOD OF LOCATION AND SURVEY No.</th>
<th>DATE OF LOCATION</th>
<th>CHARTS AFFECTED</th>
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<td>77 08</td>
<td>12/16</td>
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<td>LIGHT 15</td>
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<td>966.2</td>
<td>77 08</td>
<td>1959</td>
<td>x</td>
<td>559</td>
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</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 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.
I recommend that the following objects which have been inspected from seaward to determine their value as landmarks be charted on the charts indicated.

The positions given have been checked after listing by J. C. Pichter.

William E. Randall  Chief of Party.

<table>
<thead>
<tr>
<th>Charting Name</th>
<th>Description</th>
<th>Signal Name</th>
<th>Latitude</th>
<th>Longitude</th>
<th>Datum</th>
<th>Method of Location and Survey, No.</th>
<th>Date of Location</th>
<th>Chart Affected</th>
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<tr>
<td>Blossom Point Radio Tower, 1959 (Alum. &amp; Steel) 316</td>
<td>316</td>
<td>28° 30' 28° 06'</td>
<td>77° 06'</td>
<td>31° 755</td>
<td>N/S</td>
<td>Triang</td>
<td>Dec. 1</td>
<td>10907 1959</td>
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</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.
I recommend that the following objects which have been inspected from seaward to determine their value as landmarks be charted on the charts indicated.

The positions given have been checked after listing by J. C. Richter

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<th>LATITUDE&quot;</th>
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<th>LONGITUDE&quot;</th>
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<th>METHOD OF LOCATION AND SURVEY NO.</th>
<th>DATE OF LOCATION</th>
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<th>LATER CHART</th>
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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.
48. Geographic Names List

Balls Point
Benny Gray Point
Blossom Point
Blossom Point Proving Grounds
Bluff Point
Cedar Neck Point
Kings Creek
Little Creek
Mathias Point Neck
Nanjemoy Creek
Potomac River
Riverside
Tanners Point
Tayloe Neck
Upper Cedar Point

Geographic Names Section
1 July 1963
**INSTRUCTIONS**

A basic hydrographic or topographic survey supersedes all information of like nature on the uncorrected chart.
1. Letter all information.
2. In "Remarks" column cross out words that do not apply.
3. Give reasons for deviations, if any, from recommendations made under "Comparison with Charts" in the Review.

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<thead>
<tr>
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<th>REMARKS</th>
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