

10908

10909 <sup>Original</sup>

Diag. Cht. No. 77-6.

Form 564

U. S. DEPARTMENT OF COMMERCE  
COAST AND GEODETIC SURVEY

## DESCRIPTIVE REPORT

Type of Survey Planimetric  
Field No. Ph-5901 Office No. T-10908 and T-10909

## LOCALITY

State Maryland - Virginia  
General locality Potomac River  
Locality Popes Creek and Mathias Point

1958-1959 <sup>LI</sup>

## CHIEF OF PARTY

George F. Wirth, Photo. Party 723  
W. E. Randall, Baltimore District Officer

## LIBRARY &amp; ARCHIVES

SEP 26 1963

DATE 1962

USCOMM-DC 5087

10908 • 10909 • 80601 •

# ALPHABETIC INDEX

T-10908

COMPILATION RECORD	COMPLETION DATE	REMARKS
Compilation completed	4/18/61	Superseded
Shoreline details revised from August 1961 photographs	2/26/62	

## REPRODUCTION LOG

T-10909

[illegible]

FORM C&GS-181a  
(12-61)U.S. DEPARTMENT OF COMMERCE  
COAST AND GEODETIC SURVEY

## DESCRIPTIVE REPORT - DATA RECORD

T- 10908 and T-10909

PROJECT NO. (II):

PH-5901

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): 1/28/59

Letter from Ass't Director, dated 5/15/59

" " " " " 6/29/59

METHOD OF COMPILATION (III):

Graphic

MANUSCRIPT SCALE (III):

1:10,000

STEREOSCOPIC PLOTTING INSTRUMENT SCALE (III):

DATE RECEIVED IN WASHINGTON OFFICE (IV):

DATE REPORTED TO NAUTICAL CHART BRANCH (IV):

APPLIED TO CHART NO.

DATE:

DATE REGISTERED (IV):

GEOGRAPHIC DATUM (III):

NA 1927

VERTICAL DATUM (III): M H W

MEAN SEA LEVEL EXCEPT AS FOLLOWS: ~~MLLW~~

Elevations shown as (25) refer to mean high water

Elevations shown as (5) refer to sounding datum

i.e., mean low water or mean lower low water

REFERENCE STATION (III):

BLUFF 3, 1942

LAT.:

LONG.:

☐ ADJUSTED☐ UNADJUSTED

PLANE COORDINATES (IV):

STATE

ZONE

279,284.87

x = 2,428,654.81

Va.

N.

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.

FORM C&GS-181b (12-61)		U.S. DEPARTMENT OF COMMERCE COAST AND GEODETIC SURVEY	
DESCRIPTIVE REPORT - DATA RECORD			
T-10908			
FIELD INSPECTION BY (II):		DATE:	
G. F. Wirth, R. S. Tibbetts, and E. E. Brown		November thru December 1959	
MEAN HIGH WATER LOCATION (III) (STATE DATE AND METHOD OF LOCATION):			
June 1959. Field inspection on 1958 photographs			
PROJECTION AND GRIDS RULED BY (IV):		DATE	
W. S.		5/17/60	
PROJECTION AND GRIDS CHECKED BY (IV):		DATE	
CONTROL PLOTTED BY (III):		DATE	
J. Steinberg		7/1/60	
CONTROL CHECKED BY (III):		DATE	
J. Mooney		7/1/60	
RADIAL PLOT OR STEREOSCOPIC CONTROL EXTENSION BY (III):		DATE	
L. A. Senasack		11/15/60	
STEREOSCOPIC INSTRUMENT COMPILATION (III):		DATE	
PLANIMETRY			
CONTOURS		DATE	
MANUSCRIPT DELINEATED BY (III):		DATE	
R. C. Richter		11/18/60	
SCRIBING BY (III):		DATE	
J. C. Cregan		4/17/62	
PHOTOGRAMMETRIC OFFICE REVIEW BY (III):		DATE	
R. Glaser		4/18/61	
REMARKS:			

FORM C&GS-181b  
(12-61)U.S. DEPARTMENT OF COMMERCE  
COAST AND GEODETIC SURVEY

## DESCRIPTIVE REPORT - DATA RECORD

T-10909

FIELD INSPECTION BY (II):  G. F. Wirth, R. S. Tibbetts, and E. E. Brown		DATE: November thru December 1959
MEAN HIGH WATER LOCATION (III) (STATE DATE AND METHOD OF LOCATION):  November 25, 1959. Field inspection on 1958 photographs		
PROJECTION AND GRIDS RULED BY (IV):  W. S.		DATE 5/17/60
PROJECTION AND GRIDS CHECKED BY (IV):		DATE
CONTROL PLOTTED BY (III):  J. Steinberg		DATE 7/5/60
CONTROL CHECKED BY (III):  J. Mooney		DATE 7/5/60
RADIAL PLOT OR STEREOSCOPIC CONTROL EXTENSION BY (III):  H. R. Rudolph		DATE 7/29/60
STEREOSCOPIC INSTRUMENT COMPILATION (III):	PLANIMETRY	DATE
	CONTOURS	DATE
MANUSCRIPT DELINEATED BY (III):  J. C. Richter		DATE 12/16/60
SCRIBING BY (III):  J. C. Cregan		DATE 4/11/62
PHOTOGRAMMETRIC OFFICE REVIEW BY (III):  R. Glaser		DATE 4/7/60
REMARKS:		



FORM C&GS-181c  
(12-61)

U.S. DEPARTMENT OF COMMERCE  
COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT - DATA RECORD  
T-10908

CAMERA (KIND OR SOURCE) (III):

U. S. C. & G. S. nine-lens.

PHOTOGRAPHS (III)

NUMBER	DATE	TIME	SCALE	STAGE OF TIDE
57251	5/22/58	1059	1:10,000	0.2' above MLW
57271 & 57272	"	1117	"	0.1' " "
57273	"	1119	"	0.1' " "

TIDE (III)

	RATIO OF RANGES	MEAN RANGE	SPRING RANGE
REFERENCE STATION: Washington, D. C.		2.9	3.3
SUBORDINATE STATION: Chapel Pt. Port Tobacco River, Maryland	0.52	1.5	1.7
SUBORDINATE STATION: Mathias Point, Virginia	0.41	1.2	1.4

WASHINGTON OFFICE REVIEW BY (IV): *Final* Balto. District Office - R. Glosier

DATE: 4/4/63

PROOF EDIT BY (IV):

DATE:

NUMBER OF TRIANGULATION STATIONS SEARCHED FOR (III):

2

RECOVERED:

\*\* 2

IDENTIFIED:

2

NUMBER OF BM(S) SEARCHED FOR (III):

0

RECOVERED:

IDENTIFIED

NUMBER OF RECOVERABLE PHOTO STATIONS ESTABLISHED (III):

0\*

NUMBER OF TEMPORARY PHOTO HYDRO STATIONS ESTABLISHED (III):

0

REMARKS:

\* One previously established recoverable topo was searched for but not found (Form 524 submitted).

\*\* In addition, CLUB 1928 and CLUB ECC 1934 were recovered by a geodetic party in 1959. (See cahier 347 p. 15)



FORM C&GS-181c  
(12-61)U.S. DEPARTMENT OF COMMERCE  
COAST AND GEODETIC SURVEY

## DESCRIPTIVE REPORT - DATA RECORD

T-10909

CAMERA (KIND OR SOURCE) (III):

U.S.C. &amp; G. S. "W" and nine-lens cameras

## PHOTOGRAPHS (III)

NUMBER	DATE	TIME	SCALE	STAGE OF TIDE
59-W-9574	10/5/59	1350	1,10,000	1.8' above MLW
59-W-9575	"	1352	"	0.5' " "
57285	5/22/58	1146	"	0.1' " "
57286	"	1147	"	0.1' " "
57252	"	1100	"	0.2' " "
57253	"	1101	"	0.1' " "

## TIDE (III)

	RATIO OF RANGES	MEAN RANGE	SPRING RANGE
REFERENCE STATION: Washington, D. C.		2.9'	3.3'
SUBORDINATE STATION: Chapel Pt. Port Tobacco River, Maryland	0.52	1.5'	1.7'
SUBORDINATE STATION: Bushwood, Maryland ( or Rock Pt.)		1.9'	2.2'
WASHINGTON OFFICE <i>Final</i> REVIEW BY (IV): <i>Balto. District Office - R. Glaser</i>	DATE: <i>4/4/63</i>		
PROOF EDIT BY (IV):	DATE:		
NUMBER OF TRIANGULATION STATIONS SEARCHED FOR (III): 1	RECOVERED: 1	IDENTIFIED: 1	
NUMBER OF BM(S) SEARCHED FOR (III): 1	RECOVERED: 1	IDENTIFIED: 1	
NUMBER OF RECOVERABLE PHOTO STATIONS ESTABLISHED (III):	1		
NUMBER OF TEMPORARY PHOTO HYDRO STATIONS ESTABLISHED (III):	0		

## REMARKS:

In addition, see Forms 524 for two previously established recoverable topo stations which were searched for.



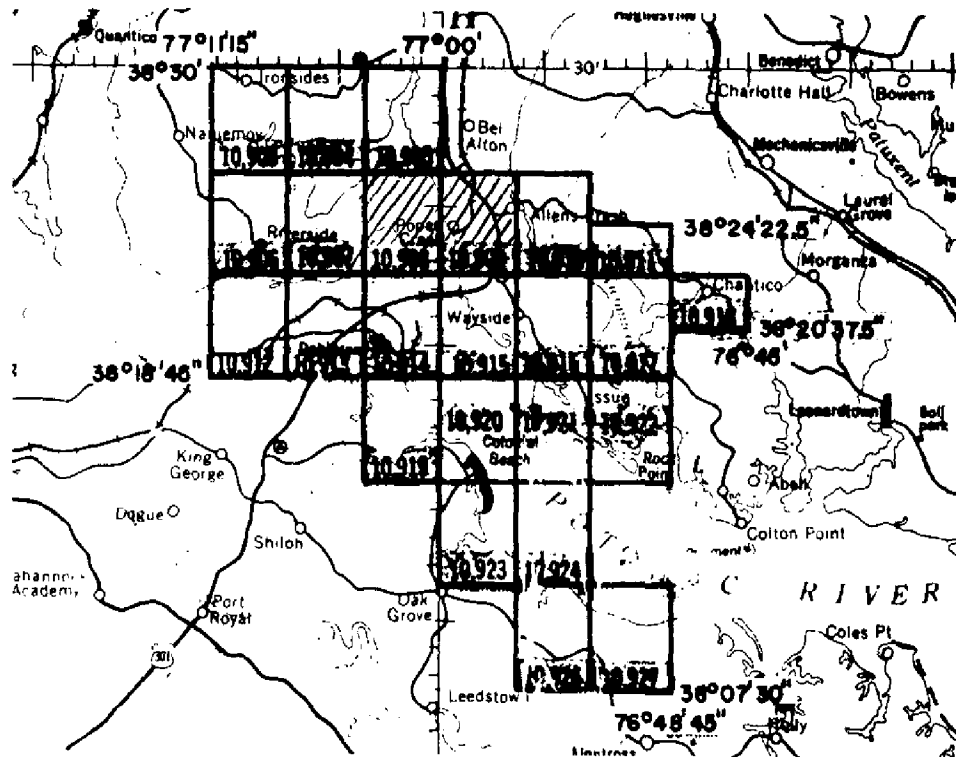
# PROJECT PH-5901

4.

Planimetric Mapping Scale 1:10,000

Potomac River Va.-Md.

Maryland Point to Wicomico River



## 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 Report

T-10908 & T-10909

Planimetric maps T-10908 and T-10909 are part of Project Ph-5901 which consists of 24 planimetric maps and one shoreline survey. These maps cover a portion of both sides of the Potomac River. On the Virginia side, the manuscripts cover the upper part of Mathias Point Neck; on the Maryland side the area covered is from a point about 2 miles south of Popes Creek to approximately 3 miles north of Popes Creek. Also included is a small section of Cedar Point Neck on the Maryland 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 October 1959 and "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, recovery and identification of horizontal control and bench marks, establishment and recovery of recoverable topographic stations and the identification 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-10908 and T-10909 will consist of a cronar film positive and a cronar film negative of each scribed manuscript.

COAST AND GEODETIC SURVEY  
CONTROL RECORD[illegible]





MAP T-10909

PROJECT NO. Ph-5901

SCALE OF MAP 1:10,000

SCALE FACTOR 1.000

[illegible]



## COMPILATION REPORT

T-10908 & T-10909

The field inspection report for T-10908 and T-10909 is a part of Descriptive Report T-10921 and T-10922.

The photogrammetric plot report for T-10908 is part of the Descriptive Report T-10926 and T-10927.

The photogrammetric plot report for T-10909 is part of Descriptive T-10921 and T-10922.

### 31. DELINEATION

Delineation was by the graphic method.

### 32. CONTROL

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

### 33. SUPPLEMENTAL DATA

None.

### 34. CONTOURS AND DRAINAGE

Contours: Inapplicable.

Drainage was selected after comparison with field inspection, office interpretation, and U.S.G.S. Quadrangles. Most drainage was taken from the quadrangles.

### 35. SHORELINE AND ALONGSHORE DETAILS

There are no shoal or low-water lines.  
The shoreline inspection was adequate.

### 36. OFFSHORE DETAILS

No comment.

### 37. LANDMARKS AND AIDS

No landmarks.

Form 567 is herewith submitted for two aids to navigation.

38. CONTROL FOR FUTURE SURVEYS

Two recoverable topographic stations were located on T-10909.

A list is in paragraph 49.

39. JUNCTIONS

Junctions have been made and are in agreement with the following:

To the north with T-10905

To the south with T-10914 and T-10915

To the east with T-10910

To the west with T-10907

40. HORIZONTAL AND VERTICAL ACCURACY

No comment.

41. thru 45.

Inapplicable.

46. COMPARISON WITH EXISTING MAPS

Comparison has been made with U.S.G.S. Quadrangles, Mathias Point, Md.,-Va., scale 1:24,000, dated 1954 and Popes Creek, Md., scale, 1:24,000 dated 1953.

47. COMPARISON WITH NAUTICAL CHARTS

Comparison has been made with nautical chart No. 559, scale 1:40,000, 5th edition, October 17, 1960, corrected to October 29, 1960.

Items to be applied to nautical charts immediately: None.

Items to be carried forward: None.

Respectfully submitted

*John C. Richter*

John C. Richter  
Carto. (Photo.)

Approved and Forwarded

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



T-10908 & T-10909

Addenda to Descriptive Report

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

T-10908

61-S-2082 and 2083  
2200 thru 2203  
2891 and 2892  
3255 thru 3257  
3263 and 3264

T-10909

61-S-3252 thru 3255

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


The centers of the photographs have been shown on the manuscripts with dashed circles.

Respectfully submitted  
February 26, 1962



R. Glaser  
Carto. (Photo.)

Approved and Forwarded



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

PHOTOGRAMMETRIC OFFICE REVIEW

T-10908 & T-10909

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 of 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-10908 & T-10909  
PLANIMETRIC  
April 4, 1963

61. GENERAL STATEMENT

See Summary accompanying Descriptive Report.

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS

T-10908:

861	1:20,000	1862
2635	1:20,000	1902

T-10909:

861	1:20,000	1862
2635	1:20,000	1902
8113	1:20,000	1942, 1943

*T-10908 and T-10909 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. Popes Creek, Md.	1:24,000	1953

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS

H-8706	1:10,000	1962 (Boat sheet)
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T-10908:

The boat sheet covers only a small portion of the manuscript. No discrepancies were found between the boat sheet and the manuscript in this area.

The hydrographic survey covering the balance of T-10908 was not available during the time of final review.

T-10909:

No contemporary hydrographic survey covering T-10909 was available during final review.

65. COMPARISON WITH NAUTICAL CHARTS

559	1:40,000	5th Edition, Oct. 17, 1960
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T-10908:

Several fish traps and piers on the manuscript are not shown on the chart.

Charted bluffs and bluffs shown on the manuscript are in agreement except that bluffs shown at Cedar Point Neck and in the marsh just north of Persimmon Point are not on the manuscript.


T-10909:

Except for minor details, the chart and the manuscript are in good agreement.

66. ADEQUACY OF RESULTS AND FUTURE SURVEYS

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

Reviewed by

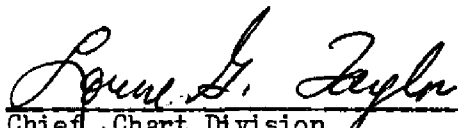
  
R. Glaser


Approved by

  
Baltimore District Officer

Approved by

  
Chief, Review Section

  
Chief, Chart Division  
Nautical

 9/26/63  
Chief, Photogrammetry Division

  
Chief, Operations Division



**STRIKE OUT TWO**

December 16, 1960

Baltimore, Maryland

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

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

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

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.

## # TABULATE SECONDS AND METERS

48. Geographic Names List

Allens Fresh  
Allens Fresh Marsh

Bowling Creek  
Bunker Hill  
Bunker Hill Branch

Cedar Point Neck  
Clifton Creek  
Cobb Neck

Drinks Run

Ellenboro Hill  
Ellenboro Hill Run

Faulkner

Glasva Branch

Huckleberry  
Huckleberry Branch

Mathias Point  
Mathias Point Neck  
Mud Creek

Newburg

Popes Creek  
Popes Creek (settlement)  
Posey Creek  
Potomac River

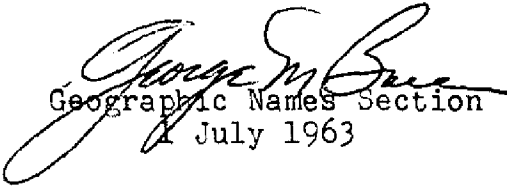
Ravens Crest  
Ravens Crest Creek

Stones Bridge

Tears Gut

Willmer Creek

Zekiah Swamp  
Zekiah Swamp Run

  
Geographic Names Section  
1 July 1963

