10919 10920

10920 10919

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-10919 and T-10920

LOCALITY

State Maryland - Virginia

General locality Potomac River

Locality Tetotum and Potomac Beach

19 58-61

CHIEF OF PARTY

G.F.Wirth. Photo. Party 723
W.E.Randall, Baltimore District Off.

LIBRARY & ARCHIVES

DATE April 1964

USCOMM-DC 5087

T-10919

COMPILATION RECORD	COMPLETION DATE	REMARKS
Compilation completed	Feb. 23, 1961	Superseded
Field edit of bluffs added	Jan. 1962	Superseded
Shoreline details revised from August 1961 photos	Feb. 8, 1962	

COMPILATION RECORD	COMPLETION DATE	REMARKS
Compilation completed	Feb. 16, 1961	Superseded
Field edit of bluffs added	Jan. 1962	Superseded
Shoreline details revised from August 1961 photographs	Feb. 8, 1962	

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

U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT - DATA RECORD

T - 10919 and T-10920

PROJECT NO. (II):
Ph-5901

FIELD OFFICE (II):
Dahlgren, Virginia

CHIEF OF PARTY
George F. Wirth

PHOTOGRAMMETRIC OFFICE (III):
Baltimore, Maryland

OFFICER-IN-CHARGE
William E. Randall

INSTRUCTIONS DATED (II) (III): 1/28/59
Ltr. from Assistant 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):
N.A. 1927

VERTICAL DATUM (III): MHW
~~XXXXXXXXXXXXXXXXXXXXXXXXXXXX~~
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):
SPY 1941

LAT.:
38° 17' 02.370" (73.1 m)

LONG.:
77° 02' 07.024" (170.7 m)

☐ ADJUSTED
~~XXXXXXXXXXXX~~

PLANE COORDINATES (IV):
Y = 164,120.99 ft, X = 789,871.36 ft.

STATE
Maryland

ZONE

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.

USCOMM-DC 16276A-P61

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

U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT - DATA RECORD

T-10919

FIELD INSPECTION BY (II): George F. wirth J. E. Tolodziecki E. E. Brown	DATE: April, May & December 1959
MEAN HIGH WATER LOCATION (III) (STATE DATE AND METHOD OF LOCATION): 1959 Field inspection on 1958 and 1959 photographs, supplemented by office interpretation of 1959 photographs.	
PROJECTION AND GRIDS RULED BY (IV): J. Keefer	DATE 6/1/60
PROJECTION AND GRIDS CHECKED BY (IV): W. S.	DATE - -
CONTROL PLOTTED BY (III): J. Steinberg	DATE 7/6/60
CONTROL CHECKED BY (III): R. Glaser	DATE 7/6/60
RADIAL PLOT OR ~~STEREOSCOPIC CONTROL EXTENSION~~ BY (III): L. A. Senasack	DATE 10/11/60
STEREOSCOPIC INSTRUMENT COMPILATION (III): PLANIMETRY	DATE
CONTOURS	DATE
MANUSCRIPT DELINEATED BY (III): B. Wilson Manuscript scribed by: R. M. Whitson	DATE 12/16/60 7/10/61
SCRIBING BY (III):	DATE
PHOTOGRAMMETRIC OFFICE REVIEW BY (III): R. Glaser	DATE 2/23/61
REMARKS:	

USCOMM-DC 16276B-P61

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

U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT - DATA RECORD

T-10920

FIELD INSPECTION BY (II): G. F. Wirth, J. E. Tolodziecki	DATE: April 1959 thru June 1959
MEAN HIGH WATER LOCATION (III) (STATE DATE AND METHOD OF LOCATION): 1959 Field inspection on 1958 photographs, supplemented by office interpretation of 1959 photographs.	
PROJECTION AND GRIDS RULED BY (IV): J. Keefer	DATE 9/5/60
PROJECTION AND GRIDS CHECKED BY (IV): Souders	DATE 7/7/60
CONTROL PLOTTED BY (III): J. Steinberg	DATE 7/11/60
CONTROL CHECKED BY (III): J. Mooney	DATE 7/11/60
RADIAL PLOT ~~OR STEREOSCOPIC CONTROL EXTENSION~~ BY (III): L. A. Senasack	DATE 10/11/60
STEREOSCOPIC INSTRUMENT COMPILATION (III): PLANIMETRY	DATE
CONTOURS	DATE
MANUSCRIPT DELINEATED BY (III): B. Wilson Manuscript scribed by: R. M. Whitson	DATE 12/1/60 5/8/61
SCRIBING BY (III):	DATE
PHOTOGRAMMETRIC OFFICE REVIEW BY (III): R. Glaser	DATE 2/16/61
REMARKS:	

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

U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT - DATA RECORD

T-10919

CAMERA (KIND OR SOURCE) (III):

U.S.C. & G. S. "W" and Nine-lens cameras

PHOTOGRAPHS (III)

NUMBER	DATE	TIME	SCALE	STAGE OF TIDE
59-W-9556 and 9557	10/5/59	1328	1:10,000	0.8 ft. above MLW
57337 to 57339	5/23/58	1245	"	0.1 " " "

TIDE (III)

	RATIO OF RANGES	MEAN RANGE	SPRING RANGE
REFERENCE STATION: Washington, D. C.		2.9	3.3
SUBORDINATE STATION: Dahlgren, Upper Machodoc Creek		1.6	1.8
SUBORDINATE STATION:			

WASHINGTON OFFICE FINAL REVIEW BY (IV): BALTO. DISTRICT OFFICE - R. Glaser — DATE: 3/25/63

PROOF EDIT BY (IV): — DATE:

NUMBER OF TRIANGULATION STATIONS SEARCHED FOR (II): 11	RECOVERED: 9*	IDENTIFIED: 5	
NUMBER OF BM(S) SEARCHED FOR (II): 0	RECOVERED:	IDENTIFIED	

NUMBER OF RECOVERABLE PHOTO STATIONS ESTABLISHED (III): 0

NUMBER OF TEMPORARY PHOTO HYDRO STATIONS ESTABLISHED (III): 0

REMARKS:

*Includes control recovered during 1958,'59 and '60

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

U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT - DATA RECORD

T-10920

CAMERA (KIND OR SOURCE) (III):
USC&GS "W" and Nine-lens cameras

PHOTOGRAPHS (III)

NUMBER	DATE	TIME	SCALE	STAGE OF TIDE
59-W-9556	10/5/59	1328	1:10,000	0.8 ft above MLW
57336 and 57337	5/23/58	1243	"	0.2 ft " "

TIDE (III)

	RATIO OF RANGES	MEAN RANGE	SPRING RANGE
REFERENCE STATION: Washington, D. C.		2.9	3.3
SUBORDINATE STATION: Dahlgren, Upper Machodoc Creek		1.6	1.8
SUBORDINATE STATION: Colonial Beach, Virginia		1.6	1.8

WASHINGTON OFFICE FINAL REVIEW BY (IV): BALTO. DISTRICT OFFICE - R. Glaser — DATE: 3/25/63

PROOF EDIT BY (IV): — DATE:

NUMBER OF TRIANGULATION STATIONS SEARCHED FOR (II): 1**	RECOVERED: 1	IDENTIFIED: 1	
NUMBER OF BM(S) SEARCHED FOR (II): 5	RECOVERED: 2	IDENTIFIED 2	

NUMBER OF RECOVERABLE PHOTO STATIONS ESTABLISHED (III): 2*

NUMBER OF TEMPORARY PHOTO HYDRO STATIONS ESTABLISHED (III): 0

REMARKS:

* One additional B. M. reported destroyed on Form 524.

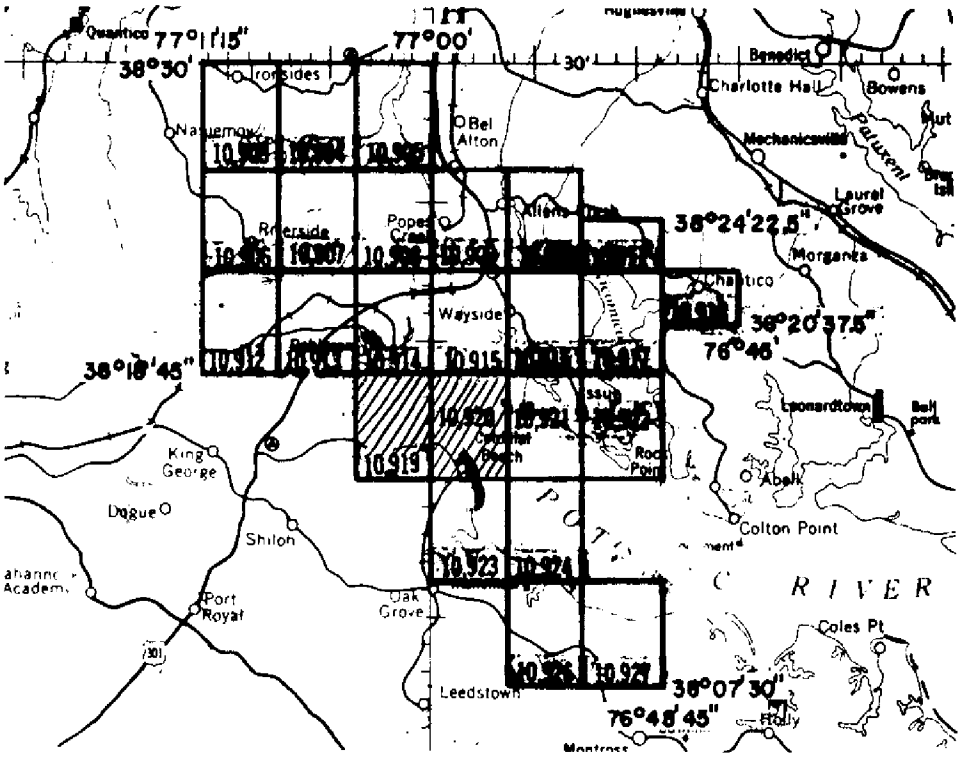
** In addition, MD-VA BDY. MON. 28, 1929 was recovered by a geodetic party in 1959 (see cahier 346 pg. 70).

PROJECT PH-5901

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-10919 & T-10920

Planimetric maps T-10919 and T-10920 are part of Project Ph-5901 which consists of twenty-four planimetric maps and one shoreline survey. These maps cover a section of the Virginia shore of the Potomac River from Colonial Beach to Baber Point and include Goldman Creek, Rosier Creek and a portion of Upper Machodoc 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, single lens "W" photography of October 1959 and single lens "S" photography of 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 photo stations, recovery and identification of horizontal control, tidal bench marks, landmarks, aids to navigation and boundaries. 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-10919 and T-10920 will consist of a cronar film positive and cronar film negative of each scribed manuscript.

FORM 164
(4-23-54)

U.S. DEPARTMENT OF COMMERCE COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT CONTROL RECORD

MAP T- 10919 PROJECT NO. Ph-5901 SCALE OF MAP 1:10,000 SCALE FACTOR 1.000

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR y-COORDINATE LONGITUDE OR x-COORDINATE	DISTANCE FROM GRID IN FEET. OR PROJECTION LINE IN METERS FORWARD (BACK)	DATUM CORRECTION	N.A. 1927 - DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS FORWARD (BACK)	FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS FORWARD (BACK)
5A2 (B of O) 1954	VA. N p. 95	N.A. 1927	227,373.26				
			2,429,907.54				
CUT 2, 1918	p. 25	"	238,069.46				
			2,421,390.55				
BABER POINT TOWER (B of O) 1944, 1945	p. 95	"	237,358.82				
			2,421,729.55				
MD-VA BOUNDARY No. 30, 1929	p. 25	"	238,069.12				
			2,421,400.99				
SHORT ROCKET, 1954	p. 95	"	235,628.83				
			2,422,335.08				
SHORT ROCKET (KB) R. M. No. 1, 1954	p. 96	"	235,670.73				
			2,422,348.36				
1A (B of O) 1944	p. 97	"	233,963.14				
			2,424,752.98				
3 OFFSET, 1954	p. 94	"	231,142.17				
			2,427,069.84				
WITNESS MARK CENTER OF TOP OF IRON PIPE, 1929	p. 11	"	231,194				
			2,427,121				
3(KB) (3 OFFSET R. M. No. 3) 1954	p. 96	"	231,098.69				
			2,427,189.76				
3A (NPG, 1944) 1954	p. 95	"	228,892.55				
			2,428,649.43				
ROSIER 2, RM 2, 1901	Comp.	"	226,900.50				
			2,429,920.84				

1 FT. = .3048006 METER

COMPUTED BY: J. Steinberg DATE 6/27/60 CHECKED BY: H. R. Rudolph DATE 6/29/60

COMM-DC-57843

FORM 164
(4-23-54)

U.S. DEPARTMENT OF COMMERCE
DESCRIPTIVE REPORT

COAST AND GEODETIC SURVEY
CONTROL RECORD

MAP T- 10919 PROJECT NO. Ph-5901 SCALE OF MAP 1:10,000 SCALE FACTOR 1.000

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR y-COORDINATE LONGITUDE OR x-COORDINATE	DISTANCE FROM GRID IN FEET, OR PROJECTION LINE IN METERS FORWARD (BACK)	DATUM CORRECTION	N.A. 1927 - DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS FORWARD (BACK)	FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS FORWARD (BACK)
5 (KB) (5A2 R.M. No. 1) 1954	VA. N p. 96	N.A. 1927	227,411.19 2,429,901.18				
GARNETT(NPG) 1941	Md. p. 309	"	164,259.05 790,480.21				
GARNETT 2, 1954	"	"	164,302.74 790,491.54				
SPY, 1941	"	"	164,120.99 789,871.36				
Sub. Pt. "A" ROSIER 2, 1901 R. M. 2	Comp.	"	227,050.58 2,429,866.83				
Sub. Pt. "B" ROSIER 2, 1901 R. M. 2	"	"	226,867.40 2,429,800.09				
OWENS, 1934	VA. N p. 44	"	224,709.65 2,413,099.18				

1 FT. = .3048006 METER

COMPUTED BY: J. Steinberg DATE 6/27/60 CHECKED BY: H. R. Rudolph DATE 6/29/60

COMM-DC-57843

FORM 164
(4-23-54)

U.S. DEPARTMENT OF COMMERCE — COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT — CONTROL RECORD

MAP T-10919 PROJECT NO. Ph-5901 SCALE OF MAP 1:10,000 SCALE FACTOR 1.000

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR y-COORDINATE LONGITUDE OR x-COORDINATE	DISTANCE FROM GRID IN FEET. OR PROJECTION LINE IN METERS FORWARD (BACK)	DATUM CORRECTION	N.A. 1927 - DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS FORWARD (BACK)	FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS FORWARD (BACK)
0401	I.B.M. STRIP No. 20	N.A. 1927	211,153.40 2,420,604.50				
0402	"	"	218,742.00 2,430,267.60				
(58-S-5003) 0300	"	"	229,057.90 2,425,120.50				
0301	"	"	223,519.30 2,414,350.10				
0302	"	"	229,430.90 2,425,570.80				
0303	"	"	231,554.80 2,427,357.60				
0304	"	"	227,373.20 2,429,907.20				
0305	"	"	227,420.00 2,420,632.00				
(Beabors Point Lt.) 0306	"	"	238,424.10 2,422,797.30				

1 FT. = .3048006 METER

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

COMM-DC-57843

FORM 164
(4-23-54)

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

MAP T-10920 PROJECT NO. Ph-5901 SCALE OF MAP 1:10,000 SCALE FACTOR 1.000

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR y-COORDINATE / LONGITUDE OR x-COORDINATE	DISTANCE FROM GRID IN FEET. OR PROJECTION LINE IN METERS FORWARD (BACK)	DATUM CORRECTION	N.A. 1927 - DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS FORWARD (BACK)	FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS FORWARD (BACK)
11 OFFSET, 1954	VA. N p. 94	N.A. 1927	218,420.58 2,441,494.40				
Sub. Pt. No. 2 11 OFFSET, 1954	Comp.	"	218,425.38 2,441,429.58				
Sub. Pt. No. 3 11 OFFSET, 1954	"	"	218,471.55 2,441,562.42				
WARE (KB) 1954	VA. N p. 94	"	224,785.34 2,434,433.36				
MD-VA BOUNDARY MONUMENT No. 28, 1929	p. 25	"	224,723.46 2,433,390.76				
7 (N.P.G.) 1954	p. 97	"	224,056.48 2,436,738.61				
9 OFFSET, 1954	p. 94	"	221,492.27 2,438,859.19				
9(KB) (9 OFFSET R.M. No. 1) 1954	p. 97	"	221,672.41 2,438,934.94				
REF. STA. 9 (B of O) 1954	"	"	221,604.49 2,438,981.93				
9 (N.P.G.) 1954	"	"	221,612.99 2,438,993.67				
11 (N.P.G.) 1954	" p. 96	"	218,471.63 2,441,564.14				
7 (KB) 1954	p. 95	"	224,092.51 2,436,714.97				

1 FT. = .3048006 METER

COMPUTED BY: J. Steinberg DATE 6/28/60 CHECKED BY: H. R. Rudolph DATE 6/29/60

COMM-DC-57843

FORM 164
(4-23-54)

U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT
CONTROL RECORD

MAP T-10920 PROJECT NO. Ph-5901 SCALE OF MAP 1:10,000 SCALE FACTOR 1.000

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR y-COORDINATE LONGITUDE OR x-COORDINATE	DISTANCE FROM GRID IN FEET. OR PROJECTION LINE IN METERS FORWARD	(BACK)	DATUM CORRECTION	N.A. 1927 - DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS FORWARD	(BACK)	FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS FORWARD	(BACK)
Sub. Pt. No. 1		N.A.	218,781.08							
11 OFFSET, 1954	Comp.	1927	2,441,495.30							

1 FT. = 3048006 METER

COMPUTED BY: J. Steinberg DATE 6/28/60 CHECKED BY: H. R. Rudolph DATE 6/29/60

COMM-DC-57843

FORM 164
(4-23-54)

U.S. DEPARTMENT OF COMMERCE — COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT — CONTROL RECORD

MAP T- 10920 PROJECT NO. Ph-5901 SCALE OF MAP 1:10,000 SCALE FACTOR 1.000

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR y-COORDINATE / LONGITUDE OR x-COORDINATE	DISTANCE FROM GRID IN FEET. OR PROJECTION LINE IN METERS FORWARD (BACK)	DATUM CORRECTION	N.A. 1927 - DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS FORWARD (BACK)	FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS FORWARD (BACK)
(58-S-5004) 0400	IBM Strip No. 20	N.A. 1927	216,795.10				
			2,436,431.20				
0403	"	"	222,536.60				
			2,438.009.70				
~~(Colonial Beach Round Silver Tank 1958) 0509~~	"	"	~~216,710.90~~				
			~~2,440,388.10~~				
0506	"	"	218,776.10				
			2,441,493.60				
COLONIAL BEACH NEW WATER TANK 1959	VA. VOL II P. 474	"	216,709.75				
			2,440,382.55				

- 12 -

1 FT. = .3048006 METER

COMPUTED BY: J. Steinberg DATE 6/23/60 CHECKED BY: H. R. Rudolph DATE 6/24/60

COMM-DC-57843

The field inspection report and the photogrammetric plot report covering the area of these surveys are part of the Descriptive Report T-10926, T-10927.

31. DELINEATION

These manuscripts were delineated by graphic methods.

Photograph coverage was satisfactory except in the area of Colonial Beach, Virginia where the important details were too close to the edge of the photos.

32. CONTROL

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

33. SUPPLEMENTAL DATA

See item 41.

34. CONTOURS AND DRAINAGE

Contours: Not applicable.

Drainage: Drainage clearly visible on the photographs was delineated as usual. Drainage in heavily wooded areas was transferred by projector from quadrangles after verification by office interpretation of the photos.

35. SHORELINE AND ALONGSHORE DETAILS

Alongshore discolored areas in Rosier Creek were field inspected as "Shallow-mud". Comparison with the chart shows neither an abrupt change in depth nor a foreshore which bares at low water. This inspection was therefore not used.

The shoreline inspection, although inconsistent in some areas was adequate to complete the compilation.

Low water and foul areas were classified by field inspection; the limits were delineated by office interpretation.

36. OFFSHORE DETAILS

Positions of some duck blinds were changed from field inspection to agree with more recent photo coverage.

37. LANDMARKS AND AIDS

Forms 567 for one aid and one landmark are herewith submitted for T-10919.

Form 567 for one landmark is also herewith submitted for T-10920.

38. CONTROL FOR FUTURE SURVEYS

Two Forms 524 for recoverable tidal bench marks are herewith submitted for T-10920.

These stations are listed in Item 49.

39. JUNCTIONS

Junction has been made and is in agreement between T-10919 and T-10920. Junction has also been made and is in agreement between these surveys and the following:

T-10914 to the north
T-10923 to the south
Shoreline survey T-12129 to the west
T-10915 and T-10921 join these surveys to the north and the east respectively in all water areas.

40. HORIZONTAL AND VERTICAL ACCURACY

No comment.

41. BOUNDARIES - T-10919

The Westmoreland - King George County line south from Rosier Creek is in dispute and the two versions were shown on field photograph 59-W-9556 (see paragraph 10 of field inspection report).

There are two groups of individuals who disagree about the former location, on Rosier Creek, of Washington's Mill Pond which is the northern end of the disputed line. Both of the lines as field inspected were delineated. In a partial copy of a record in King George County Clerk's Office, the bearing is given as N.2° E (no date is given and whether true or magnetic is unknown). The true bearing of field inspected lines does not agree with this bearing. On USGS Dahlgren quadrangle the line shown has a bearing of about N 2° E and, if projected southward to the south end of the line as shown on AMS Rollins Fork quadrangle, the line appears nearly correct.

The AMS Rollins Fork quadrangle shows a line nearly corresponding to

the westerly of two field inspected lines. This line is also substantiated by a sign on a road which indicates the county line. The type of road surface changes, indicating that for the purpose of maintenance, at least, the westerly line is a locally agreed upon line or a compromise line. However, the bearing of this line, as shown on AMS Rollins Fork, Va. quadrangle is due north, not N 2° E.

The Naval Weapons Laboratory boundary was taken from field photo information; no drawings were submitted to the compilation office as stated in paragraph 10 of the field report. There are several discrepancies between the line mapped and that shown on the Dahlgren quad.

T-10920 - The city boundary for Colonial Beach was projected from the Morgantown quadrangle. The field inspection report stated in paragraph 10 that a blueprint had been supplied for this, obtained from local authorities, but none was received in the compilation office.

42. thru 45. - Not needed,

46. COMPARISON WITH EXISTING MAPS

T-10919 was compared to U.S.G.S. Dahlgren, Va., Md. quadrangle, dated 1955, scale 1:24,000.

T-10920 was compared to U.S.G.S. Morgantown, Md., Va., quadrangle, dated 1953, scale 1:24,000.

47. COMPARISON WITH NAUTICAL CHARTS

T-10919 and T-10920 were compared to chart 556, scale 1:20,000, published April 1948 (2nd edition) revised 12/12/60. T-10920 was also compared to chart 558, scale 1:40,000, published 11/16/59 (4th edition) corrected to 5/28/60.

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

Respectfully submitted
December 16, 1960

R. Glaser

R. Glaser
Carto. (Photo.)

Approved and forwarded

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

T-10919 & T-10920
Addenda to Descriptive Report

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

T-10919

61-S-2903 thru 2906

T-10920

61-S-2899 thru 2903

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

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

Respectfully submitted
February 8, 1962

R. Glaser
Carto. (Photo.)

Approved and forwarded

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

2-27-61

FORM 182
(6-12-56)

U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

50 -

PHOTOGRAMMETRIC OFFICE REVIEW

T-10919 & T-10920

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 X 8. Bench marks ✓
9. Plotting of sextant fixes X 10. Photogrammetric plot report ✓ 11. Detail points ✓

ALONGSHORE AREAS

(Nautical Chart Data)

12. Shoreline ✓ 13. Low-water line ✓ 14. Rocks, shoals, etc. ✓ 15. Bridges X 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 X 23. Stereoscopic instrument contours X 24. Contours in general X 25. Spot elevations X 26. Other physical features ✓

CULTURAL FEATURES

27. Roads ✓ 28. Buildings ✓ 29. Railroads X 30. Other cultural features ✓

BOUNDARIES

31. Boundary lines ✓ 32. Public land lines X

MISCELLANEOUS

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

40. R. Glasen — 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.

R. Glasen — Compiler; Joseph Steinberg — Supervisor

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

COMM-DC 34529

Review Report T-10919 & T-10920
Planimetric
March 20, 1963

61. GENERAL STATEMENT

See Summary accompanying Descriptive Report.

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS

T-10919:

860	1:20,000	1862
2600	"	1902
2635	"	1902
8541	"	1942, 1943

T-10920:

860	1:20,000	1862
2600	"	1902
8114	"	1942, 1943
8541	"	1942, 1943

T-10919 and T-10920 supersede the above prior surveys for nautical chart construction.

63. COMPARISON WITH MAPS OF OTHER AGENCIES

U.S.G.S. Dahlgren, Va.-Md.	1:24,000	1955
U.S.G.S. Morgantown, Md.-Va.	"	1953

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS

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

T-10919:
Several alongshore foul areas on the manuscript between Stony Point and Baber Point are not on the boat sheet.

T-10920:
Only a portion of the manuscript is covered by H-8703.

A group of dolphins at Wilkerson Wharf (Potomac Beach) is not shown on the boat sheet.

H-8614	1:10,000	1961 (Unverified Smooth Sheet)

T-10920:
Only a portion of the manuscript is covered by this hydrographic survey. Agreement between them is very good, except that the delineation of piers on the hydro survey is not the same as shown on the manuscript.

65. COMPARISON WITH NAUTICAL CHARTS

556	1:20,000	2nd Ed. 4/19/48, Rev. 12/12/60.
558	1:40,000	5th Ed. 11/5/62

T-10919:
The general configuration of the charted shoreline is in good agreement with the manuscript.

A number of bluffs shown on the manuscript are not charted.

Three charted islets just southeast of Baber Point are not verified by the manuscript.

The geographic name, King George Point, is not shown on either chart. It is correctly depicted as an island on 558, the more recently published of the two charts.

T-10920:
A large group of piles charted just offshore from Colonial Beach, about halfway between White Point and Bluff Point, is represented on the manuscript only by a single short row of piling.

An unlabeled object and a submerged pile, both charted just east of Bluff Point are not delineated on the manuscript.

Another submerged pile charted just east of White Point is also not on the manuscript.

A group of dolphins on the manuscript just offshore from Potomac Beach is not on the charts.

A number of bluffs shown on the manuscript are not on the charts.

66. ADEQUACY OF RESULTS AND FUTURE SURVEYS

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

Future surveys in this area should further investigate the disputed King George - Westmoreland County boundary line.

Also, further investigation of the boundaries of Colonial Beach and the Naval Weapons Laboratory should be made during future surveys. See item ten of field report filed with T-10926, 10927. *Also item 41, Descriptive Report T-10919, 10920.*

Reviewed by

R. Glaser

Approved by

Baltimore District Officer

Approved by

L C Lande
Chief, Review Section

J. E. Vaughn 4/27/64
Chief, Photogrammetry Division

Form 567
(10-15-58)

U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

NONFLOATING AIDS ~~OR LANDMARKS~~ FOR CHARTS

TO BE CHARTED
~~TO BE REVISED~~
~~TO BE DELETED~~
} STRIKE OUT TWO

Baltimore, Maryland February 1961

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

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

William E. Randall *Chief of Party.*

STATE: VIRGINIA

CHARTING NAME	DESCRIPTION	SIGNAL NAME	POSITION LATITUDE* ° ′	LATITUDE* ″ D.M. METERS	LONGITUDE* ° ′	LONGITUDE* ″ D.P. METERS	DATUM	METHOD OF LOCATION AND SURVEY NO.	DATE OF LOCATION	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED
	BEADORS PT. LT.		38 18	43.43 1339	77 01	35.27 857	N.A. 1927	Photo Plot T-10919	5/23/59		X		556, 558

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

USCOMM.DC 27126

Form 567
(10-15-58)

U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

~~NONFLOATING AIDS OR~~ LANDMARKS FOR CHARTS

TO BE CHARTED
~~TO BE REVISED~~
~~TO BE DELETED~~
} STRIKE OUT TWO

Baltimore, Maryland February, 1961

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

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

William E. Randall *Chief of Party.*

STATE	VIRGINIA		POSITION					METHOD OF LOCATION AND SURVEY NO.	DATE OF LOCATION	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED
			LATITUDE*		LONGITUDE*		DATUM						
CHARTING NAME	DESCRIPTION	SIGNAL NAME	° ′	″ D.M. METERS	° ′	″ D.P. METERS							
TOWER	⚠ Baber Point Tower (B. of O. 1944) 1954 Ht = 55 (67)		*38 18	33.116 1021.1	77 01	18.793 1185.5	N.A. 1927	T-10919 Triang.	6/3/59		X		558

* Position from G-10609, page 344, differs slightly from position given by field 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

USCOMM-DC 27126

Form 567
(10-15-58)

U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

T-10920

~~NONFLOATING AIDS OR~~ LANDMARKS FOR CHARTS

TO BE CHARTED
TO BE REVISED
~~TO BE DELETED~~
} STRIKE OUT TWO

Baltimore, Maryland Feb. , 19 61

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

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

William E. Randall *Chief of Party.*

STATE	VIRGINIA		POSITION									
			LATITUDE*		LONGITUDE*							
CHARTING NAME	DESCRIPTION	SIGNAL NAME	° ′	″ D.M. METERS	° ′	″ D.P. METERS	DATUM	METHOD OF LOCATION AND SURVEY No.	DATE OF LOCATION	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED
TANK	Colonial Beach, New, ~~silver~~ WATER TANK 1959 ~~elevated~~, Ht. 136.15 (146.17)		38 15	~~06.03~~ ~~186~~ 05.994 184.8	76 57	~~59.14~~ ~~1438~~ 59.134 1437.8	N.A. 1927	T-10920 ~~Photo~~ ~~Plot~~ TRIANG.	5/27/59		x		558

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

USCOMM-DC 27126

48. Geographic Name List

Baber Point
Black Marsh
Bluff Point

Colonial Beach

Frank Landing

Goldman Creek

King George Point

Little Ferry Landing

Maple Grove
Monroe Creek

Ninde

Pine Hill Creek
Potomac Beach
Potomac River
Pumpkin Neck

Rosier Creek

Tetotum

Upper Machodoc Creek

White Point
Wood Island
Wilkerson Creek
Wilkerson Wharf

Geographic Names Section
12 July 1963

FORM C&GS-8352
(3-25-63)

NAUTICAL CHART DIVISION

RECORD OF APPLICATION TO CHARTS

FILE WITH DESCRIPTIVE REPORT OF SURVEY NO. T-10919 & T-10920

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.

CHART	DATE	CARTOGRAPHER	REMARKS
			Full Part Before After Verification Review Inspection Signed Via
			Drawing No.
			Full Part Before After Verification Review Inspection Signed Via
			Drawing No.
			Full Part Before After Verification Review Inspection Signed Via
			Drawing No.
			Full Part Before After Verification Review Inspection Signed Via
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