10914 10915

Original

10914 10915

Diag. Cht. No. 66-7.

Form 504

U. S. DEPARTMENT OF COMMERCE

COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT

Type of Survey: Planimetric

Field No. Ph-5901 Office No. T-10914 and T-10915

LOCALITY

State: Maryland-Virginia

General locality: Potomac River

Locality: Morgantown and Dahlgren

1958 - 1961

CHIEF OF PARTY

George F. Wirth, Photo Party - 723

W. E. Randall, Baltimore District Officer

LIBRARY & ARCHIVES

DATE 1962

USCOMM-DC 5087

T-10914

COMPILATION RECORD	COMPLETION DATE	REMARKS
Compilation completed	3/31/61	Superseded
Shoreline details revised from August 1961 photographs	2/14/62	Supersedes all previous copies

COMPILATION RECORD	COMPLETION DATE	REMARKS
Compilation completed	3/15/61	Superseded
Shoreline details revised from August 1961 photographs	2/14/62	Superseded all previous copies.

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

U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT - DATA RECORD

T - 10914 and T-10915

PROJECT NO. (II):

Ph-5901

FIELD OFFICE (II):	CHIEF OF PARTY
Dahlgren Virginia and Faulkner, Maryland	George F. Wirth
PHOTOGRAMMETRIC OFFICE (III):	OFFICER-IN-CHARGE
Baltimore, Maryland	William E. Randall

INSTRUCTIONS DATED (II) (III): 1/28/59
Letter from Assistant Director dated 5/15/59
" " " " " 6/29/59

METHOD OF COMPILATION (III):

Graphic

MANUSCRIPT SCALE (III):	STEREOSCOPIC PLOTTING INSTRUMENT SCALE (III):
1:10,000	
DATE RECEIVED IN WASHINGTON OFFICE (IV):	DATE REPORTED TO NAUTICAL CHART BRANCH (IV):

APPLIED TO CHART NO.	DATE:	DATE REGISTERED (IV):

GEOGRAPHIC DATUM (III):	VERTICAL DATUM (III):
N. A. 1927	~~MSL~~ MHW *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):

BOM 2, 1954

LAT.:	LONG.:	☐ ADJUSTED ☐ UNADJUSTED

PLANE COORDINATES (IV):		STATE	ZONE
y = 255,132.42 ft.	x = 2,425,527.98 ft.	Virginia	N. 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.

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

U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT - DATA RECORD
T-10914

FIELD INSPECTION BY (II): George F. Wirth, J. E. Tolodziecki, E. E. Brown and R. S. Tibbetts	DATE: April thru June 1959, and Nov. thru Dec. 1959
MEAN HIGH WATER LOCATION (III) (STATE DATE AND METHOD OF LOCATION): 1959 Field Inspection on 1958 photographs	
PROJECTION AND GRIDS RULED BY (IV): J. Keefer	DATE 5/27/60
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): L. A. Senasack	DATE 10/11/60
STEREOSCOPIC INSTRUMENT COMPILATION (III): PLANIMETRY	DATE
CONTOURS	DATE
MANUSCRIPT DELINEATED BY (III): J. C. Richter	DATE 12/5/60
SCRIBING BY (III): R. M. Whitson	DATE 9/19/62
PHOTOGRAMMETRIC OFFICE REVIEW BY (III): R. Glaser	DATE 3/31/61
REMARKS:	

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

U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT - DATA RECORD
T-10915

FIELD INSPECTION BY (II): George F. Wirth, J. E. Tolodziecki, E. E. Brown, R. S. Tibbetts	DATE: April thru June 1959 and Nov. thru Dec. 1959
MEAN HIGH WATER LOCATION (III) (STATE DATE AND METHOD OF LOCATION): 1959 Field inspection on 1958 photographs	
PROJECTION AND GRIDS RULED BY (IV): P. J. Dempsey	DATE 5/24/60
PROJECTION AND GRIDS CHECKED BY (IV):	DATE
CONTROL PLOTTED BY (III): J. Steinberg	DATE 7/6/60
CONTROL CHECKED BY (III): J. Mooney	DATE 7/6/60
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 11/28/60
SCRIBING BY (III): R. M. Whitson	DATE 10/17/61
PHOTOGRAMMETRIC OFFICE REVIEW BY (III): R. Glaser	DATE 3/15/61
REMARKS:	

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

U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT - DATA RECORD

T-10914

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

PHOTOGRAPHS (III)

NUMBER	DATE	TIME	SCALE	STAGE OF TIDE
57270	5/22/58	11:15	1:10,000	0.0' above MLW
57339 and 57340	"	12:45	"	0.1' " "
58-S-4981	6/14/58	15:29	"	0.9' " "
	1961 photos			

TIDE (III)

		RATIO OF RANGES	MEAN RANGE	SPRING RANGE
REFERENCE STATION:	Washington, D. C.		2.9	3.3
SUBORDINATE STATION:	Dahlgren Upper Machodoc Creek	0.55	1.6	1.8
SUBORDINATE STATION:	Lower Cedar Point Light, Maryland	0.48	1.4	1.6

WASH~~INGTON OFFICE~~ FINAL REVIEW BY (IV): BALTO. DISTRICT OFFICE - R. Glaser — DATE: 4/15/63

PROOF EDIT BY (IV): — DATE:

NUMBER OF TRIANGULATION STATIONS SEARCHED FOR (II):	6	RECOVERED: 5	IDENTIFIED: 5
NUMBER OF BM(S) SEARCHED FOR (II):	1	RECOVERED: 1*	IDENTIFIED 1

NUMBER OF RECOVERABLE PHOTO STATIONS ESTABLISHED (III): None**

NUMBER OF TEMPORARY PHOTO HYDRO STATIONS ESTABLISHED (III): None

REMARKS:

* No Form 638 or 685 submitted.

** Two previously established recoverable topo stations searched for but not found.

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

U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT - DATA RECORD

T-10915

CAMERA (KIND OR SOURCE) (III):

USC&GS nine-lens & "S" cameras

PHOTOGRAPHS (III)

NUMBER	DATE	TIME	SCALE	STAGE OF TIDE
57254	5/22/58	11:02	1:10,000	0.1' above MLW
57268 thru 57270	"	11:15	"	0.0 " "
57288	"	11:49	"	Not needed
58-S-5010 and 5011	6/14/58	16:03	1:20,000	" "
	1961 photos			

TIDE (III)

	RATIO OF RANGES	MEAN RANGE	SPRING RANGE
REFERENCE STATION: Washington, D. C.		2.9'	3.3'
SUBORDINATE STATION: Lower Cedar Point Light, Maryland	0.48	1.4	1.6
SUBORDINATE STATION: Bushwood, Maryland		1.9	2.2

WASH~~INGTON OFFICE~~ FINAL REVIEW BY (IV): BALTO. DISTRICT OFFICE - R. Glaser — DATE: 4/15/63

PROOF EDIT BY (IV): — DATE:

NUMBER OF TRIANGULATION STATIONS SEARCHED FOR (II): 5 — RECOVERED: 4 — IDENTIFIED: 4

NUMBER OF BM(S) SEARCHED FOR (II): None — RECOVERED: — IDENTIFIED

NUMBER OF RECOVERABLE PHOTO STATIONS ESTABLISHED (III): 1*

NUMBER OF TEMPORARY PHOTO HYDRO STATIONS ESTABLISHED (III): 3

REMARKS:

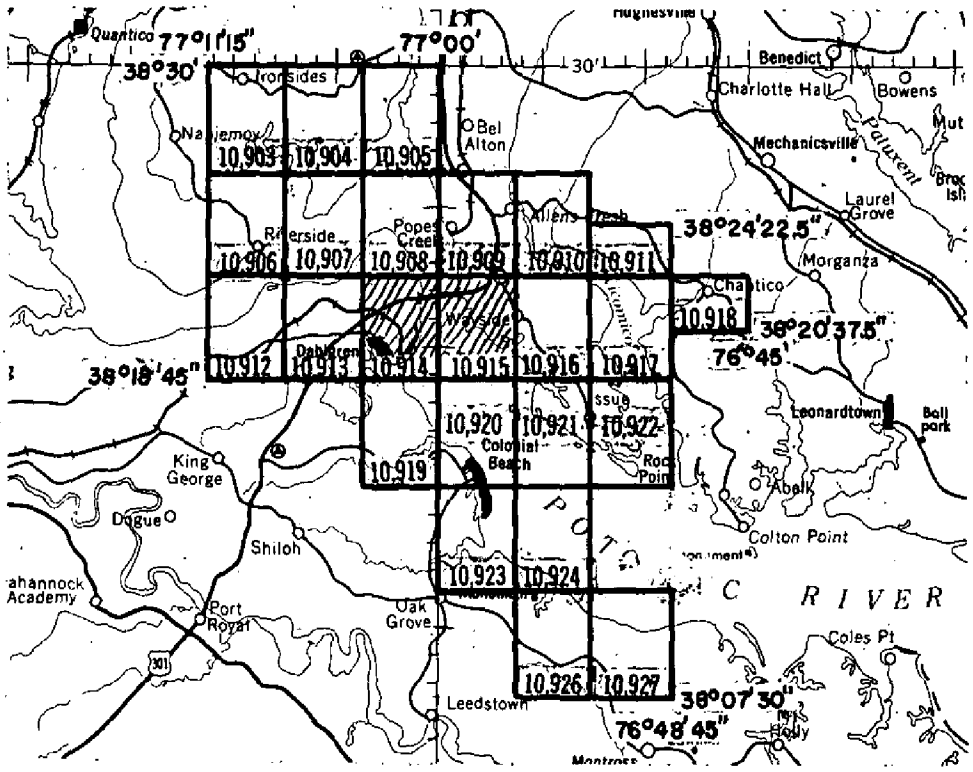
* Non-monumented.

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-10914 & T-10915

Planimetric maps T-10914 and T-10915 are part of Project Ph-5901 which consists of 24 planimetric maps and one shoreline survey. These maps cover a portion of both shores of the Potomac River in the vicinity of the Potomac River Bridge and includes the U. S. Naval Weapons Laboratory at Dahlgren, Virginia. 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 and single-lens "S" photographs of June 1958 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, bench marks, aids to navigation and landmarks, and the extablishment of photo-hydro and recoverable topo stations. The manuscripts are vinylite sheets 3-3/4' x 3-3/4' which were scribed and reproduced on cronaflex film following photogrammetric office review. The registered copies under T-10914 and T-10915 will consist of a cronar film positive and a cronar film negative of each scribed manuscript.

FORM 164
(4-23-54)

U.S. DEPARTMENT OF COMMERCE
DESCRIPTIVE REPORT

COAST AND GEODETIC SURVEY
CONTROL RECORD

MAP T-10914 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)
MB REF OFFSET 1954	VA N. Zone p. 95	N.A. 1927	243,715.18							
			2,422,547.10							
Sub Pt No. 1 MB REF OFFSET, 1954	Comp	"	243,700.44							
			2,422,489.92							
Sub Pt No. 2 MB REF OFFSET, 1954	"	"	243,759.56							
			2,422,561.27							
BOM 2, 1954	Va. N. Zone p. 94	"	255,132.42							
			2,425,527.98							
THICKET (B of O) 1941	VA N. Zone p. 97	"	251,178							
			2,422,334							
HOOE (NPG), 1941	" p. 95	"	251,521.67							
			2,425,350.51							
1A (NPG) 1941	VA N. Zone p. 97	"	247,103.38							
			2,416,321.39							
MD-VA BOUNDARY Mon No. 31, 1929	" p. 25	"	245,861.45							
			2,425,773.49							
PB REF(NPG) 1954	" p. 95	"	246,398.43							
			2,424,701.19							
PROOF (B of O 1945) 1954	VA. N.Zone p. 95	"	244,304.69							
			2,421,954.17							
PERSIMMON POINT SHOAL LIGHT, 1928	VA-N p. 27	"	260,002							
			2,429,890							
DAHLGREN PROVING GROUND AIRWAY BEACON, 1934	" p. 10		244,119.30							
			2,421,856.42							

1 FT. = .3048006 METER

COMPUTED BY: J. Steinberg DATE June 20, 1960 CHECKED BY: H. R. Rudolph DATE June 28, 1960

COMM-DC-57843

FORM 164
(4-23-54)

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

MAP T-10914 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)
DAHLGREN STEEL TOWER, 1941	VA. N Zone p. 97	N.A. 1927	243,795.[illegible]							
			2,422,895							
RADAR (B of O) 1944	VA. N Zone p. 98	"	242,415.71							
			2,422,164.81							
MGB REF (B of O) 1954	" p. 95	"	241,620.72							
			2,421,102.59							
GREENSLADE (KB) 1954	" p. 95	"	242,074.99							
			2,421,553.54							
2A (N.P.G.) 1941	VA-Coord N. Zone p. 97	"	241,472.61							
			2,421,917.95							
MACHINE GUN BATTERY (N.P.G.) 1944	VA-Coord N. Zone p. 98	"	241,477.83							
			2,420,998.94							
FINN, 1944	VA. N Zone P. 97	"	241,145.66							
			2,421,154.73							
BRICKS 2, 1954	" p. 95	"	242,179.90							
			2,423,287.54							
DAHLGREN PROVING GROUND SOUTH WATER TANK, 1954	" p. 94	"	241,595.27							
			2,419,850.43							

1 FT. = .3048006 METER

COMPUTED BY: J. Steinberg DATE June 20, 1960 CHECKED BY: H. R. Rudolph DATE June 28, 1960

COMM-DC-57843

FORM 164
(4-23-54)

U.S. DEPARTMENT OF COMMERCE
DESCRIPTIVE REPORT

COAST AND GEODETIC SURVEY
CONTROL RECORD

MAP T-10914 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)
8004	I.B.M. strip No. 21	N.A. 1927	255,671.1							
			2,425,574.2							
1103	"	"	250,738.8							
			2,425,197.7							
(58-S-5002) 0200	I.B.M. strip No. 20	"	240,106.60							
			2,420,010.10							
0202	"	"	241,229.40							
			2,419,963.30							
0203	"	"	242,630.60							
			2,423,807.50							
0204	"	"	239,126.20							
			2,413,997.90							
(58-S-5001) 0100	"	"	251,201.40							
			2,415,106.10							
0102	"	"	251,261.10							
			2,415,676.90							
0103	"	"	255,132.70							
			2,425,527.90							
8007	"	"	242,218.80							
			2,419,501.60							
8008	"	"	243,697.80							
			2,422,495.50							
8011	"	"	243,755.10							
			2,422,562.80							

1 FT. = .3048006 METER

COMPUTED BY: J. Steinberg DATE June 22, 1960 CHECKED BY: H. R. Rudolph DATE June 24, 1960

COM4-DC-57843

FORM 164
(4-23-54)

U.S. DEPARTMENT OF COMMERCE
DESCRIPTIVE REPORT

COAST AND GEODETIC SURVEY
CONTROL RECORD

MAP T-10914 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)
(N. Cable Tower) 0307	I.B.M. strip No. 20	N.A. 1927	239,714.10							
			2,421,571.30							
(S. Cable Tower) 0308	"	"	239,081.00							
			2,421,579.20							
(Naval Proving Grounds Rear Range Lt) 0309	"	"	239,924.20							
			2,419,093.80							
(Naval Proving Grounds Grounds Front Range Lt) 0310	"	"	239,710.60							
			2,420,137.90							
8006	"	"	255,152.40							
			2,425,559.70							
(Photo Pt No. 111) 8004	"	"	255,677.90							
			2,425,588.90							
8102	I.B.M. strip No. 19	"	251,090.70							
			2,412,750.90							
8103	"	"	239,126.60							
			2,413,994.90							
(49-S-4980) 8000	"	"	255,918.30							
			2,422,061.60							
8002	"	"	254,960.00							
			2,422,791.40							
8003	"	"	242,635.10							
			2,423,808.80							
8005	"	"	255,132.20							
			2,425,527.80							

1 FT. = .3048006 METER

COMPUTED BY: J. Steinberg DATE June 22, 1960 CHECKED BY: H. R. Rudolph DATE June 24, 1960

COMM-DC-57843

FORM 164
(4-23-54)

U.S. DEPARTMENT OF COMMERCE
DESCRIPTIVE REPORT

COAST AND GEODETIC SURVEY
CONTROL RECORD

MAP T-10914 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)
8009	I.B.M. strip No. 19	N.A. 1927	255,138.00							
			2,425,558.90							
8010	"	"	243,698.50							
			2,422,492.90							

1 FT. = .3048006 METER

COMPUTED BY: J. Steinberg DATE June 22, 1960 CHECKED BY: H. R. Rudolph DATE June 24, 1960

COMM-DC-57843

FORM 164
(4-23-54)

U.S. DEPARTMENT OF COMMERCE
DESCRIPTIVE REPORT

COAST AND GEODETIC SURVEY
CONTROL RECORD

MAP T 10915 PROJECT NO. Ph-5901 SCALE OF MAP 1:10,000 SCALE FACTOR

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)
PICCO 2, 1954	VA-N p. 94	N.A. 1927	246,710.52							
			2,443,219.86							
SUB PT No. 1 PICCO 2, 1954	Comp.	"	246,851.91							
			2,443,408.82							
SUB PT No. 2 PICCO 2, 1954	"	"	246,957.90							
			2,443,248.26							
BRIDGE, 1941	VA-N p. 97	"	256,905							
			2,432,665							
LOWER CEDAR POINT LIGHT 1954	MD p. 309	"	184,493.61							
			801,757.89							
LOWER CEDAR POINT BEACON, 1928	VA-N p. 27	"	244,636							
			2,434,914							
GUNS (B of O) 1945	VA-N p. 98	"	249,527.45							
			2,436,275.28							

1 FT. = .3048006 METER

COMPUTED BY J. Steinberg DATE June 20, 1960 CHECKED BY H. R. Rudolph DATE June 28, 1960

COMM-DC-57843

FORM 164
(4-23-54)

U.S. DEPARTMENT OF COMMERCE
DESCRIPTIVE REPORT

COAST AND GEODETIC SURVEY
CONTROL RECORD

MAP T-10915 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)
1207	IBM strip No. 21	N.A. 1927	259,725.7							
			2,431,914.4							
1208	"	"	259,806.6							
			2,432,458.7							
1102	"	"	255,088.5							
			2,439,246.9							
(58-S-5011) 1100	"	"	256,448.2							
			2,438,934.1							
1106	"	"	257,398.7							
			2,435,536.6							
(Photo Pt. No. 109) 1107	"	"	256,798.7							
			2,435,017.4							
(Photo Pt. No. 110) 1108	"	"	256,080.3							
			2,435,982.8							
(58-S-5010) 1000	"	"	246,589.0							
			2,442,926.2							
1002	"	"	247,031.4							
			2,443,034.8							
(South Gable) 1006	"	"	249,617.1							
			2,436,711.2							
(S.E. Gable) 1007	"	"	248,895.5							
			2,440,684.2							
(S.E. Chimney) 1008	"	"	247,842.4							
			2,446,928.1							

1 FT. = .3048006 METER

COMPUTED BY: J. Steinberg DATE June 22, 1960 CHECKED BY: H. R. Rudolph DATE June 24, 1960

COMM-DC-57843

FORM 164
(4-23-54)

U.S. DEPARTMENT OF COMMERCE
DESCRIPTIVE REPORT

COAST AND GEODETIC SURVEY
CONTROL RECORD

MAP T. 10915 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)
(Bridge, W. Pier Fog Signal) 1011	I.B.M. strip No. 21	N.A. 1927	256,871.4							
			2,432,257.4							
(Bridge E. Pier Fog Signal) 1012	"	"	256,887.6							
			2,433,073.0							

1 FT. = .3048006 METER

COMPUTED BY: J. Steinberg DATE June 22, 1960 CHECKED BY: H. R. Rudolph DATE June 24, 1960

COMM-DC-57843

COMPILATION REPORT
T-10914 & T-10915

The field inspection report and the photogrammetric plot report covering the area of T-10914 is a part of the combined Descriptive Report for T-10926 and T-10927. For the area of T-10915 see the combined Descriptive Report for T-10921 and T-10922.

31. DELINEATION

Delineation was by the graphic method.

More side-lap between the two flights of nine-lens photographs covering the Dahlgren area would have been very useful for the compilation of T-10914. "Aqualand", an area on the east bank of the Potomac River just north of the Potomac River Bridge (T-10915) was under construction at the time of field inspection. The Hydrographic Party has been requested to report any details which should be added to the compilation.

32. CONTROL

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

33. SUPPLEMENTAL DATA

U.S.G.S. Dahlgren Va.-Md. quadrangle and U.S.G.S. Morgantown Md.-Va. quadrangle were used for geographic names.

U.S. Naval Proving Ground Station Map annotated by the field party was helpful for delineation of railroads and various other details.

34. CONTOURS AND DRAINAGE

Contours: Inapplicable.

Drainage: With the exception of drainage through marsh areas which could be seen easily on the photographs and some drainage which was field inspected, all other drainage was under dense foliage and was delineated as shown on the U.S.G.S. quadrangle of the area.

35. SHORELINE AND ALONGSHORE DETAILS

Shoreline inspection was adequate.

No low water or shoal lines were field inspected and none were delineated on the manuscript.

36. OFFSHORE DETAILS

No comment.

37. LANDMARKS AND AIDS

Forms 567 are herewith submitted for 18 landmarks and 7 aids to navigation.

38. CONTROL FOR FUTURE SURVEYS

T-10914:
Two previously established recoverable topo stations were searched for but not found.

No recoverable photo stations established.

T-10915:
One non-monumented recoverable photo station established.

Three photo-hydro stations established.

These stations are listed in item 49, Notes for the Hydrographer.

39. JUNCTIONS

Junction has been made and is in agreement between these surveys. In addition, junctions have been made and are in agreement with the following adjoining surveys:

To the north with T-10908 and T-10909
To the south of T-10914 with T-10919
To the south of T-10915, all water area
To the east, T-10916
To the west, T-10913

40. HORIZONTAL AND VERTICAL ACCURACY

No comment.

41. through 45

Not needed.

46. COMPARISON WITH EXISTING MAPS

U.S.G.S. Dahlgren Va.-Md. quadrangle scale 1:24,000, dated 1955.

U. S. G. S. Morgantown Md.-Va. quadrangle scale 1:24,000, dated 1953.

Bureau Survey T-8114, scale 1:20,000.

Many alongshore bluffs shown on T-8114 are not compiled on T-10915. Notes for the Hydrographer (item 49) requests a check for bluffs which are of importance to navigation.

47. COMPARISON WITH NAUTICAL CHARTS

Chart 556, scale 1:20,000, 2nd edition 4/19/48, revised 12/12/60.

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

Items to be applied to nautical charts immediately: None.

Items to be carried forward: None.

Respectfully submitted
April 4, 1961

R. Glaser
Carto. (Photo.)

Approved and forwarded

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

T-10914 & T-10915
Addenda to Descriptive Report

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

T-10914
61-S-2893 thru 2897
61-S-2907 thru 2909

T-10915
61-S-3248 thru 3252

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

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

Respectfully submitted
February 1962

R. Glaser
Carto. (Photo.)

Approved and forwarded

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

4-4-61

FORM 182
(6-12-56)

U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

PHOTOGRAMMETRIC OFFICE REVIEW

50.-

T-10914 & T-10915

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 X 10. Photogrammetric plot report ✓ 11. Detail points ✓

ALONGSHORE AREAS
(Nautical Chart Data)

12. Shoreline ✓ 13. Low-water line X 14. Rocks, shoals, etc. X 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 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 ✓ 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. Glasser — 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:*

COMM-DC 34529

Review Report T-10914 & T-10915
Planimetric
April 9, 1963

61. GENERAL STATEMENT

See Summary accompanying Descriptive Report.

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS

T-10914:

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

T-10915:

859	1:20,000	1862
2600	"	1902
2635	"	1902
2730	"	1905
8114	"	1942, 1943

T-10914 and T-10915 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. Mortantown, Md.-Va.	"	1953

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS

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

The boat sheet covers only about one-third of the southern portion of the manuscripts. No differences between the boat sheet and the manuscripts were found in the area compared.

Contemporary hydrographic surveys covering the balance of these manuscripts were not available for comparison during final review.

65. COMPARISON WITH NAUTICAL CHARTS

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

T-10914:
Extensive areas of 10, 15 and 25-foot bluff shown on the manuscript are not charted.

A charted islet at Lat. 38° 19', Long. 77° 01.9' is not shown on the manuscript.

The manuscript does not show the numerous piles and a wreck which appear on chart 556 south and southeast of Hoge Wharf. Also, there are a

number of other piles and groups of piles scattered throughout this section of Upper Machodoc Creek and Williams Creek which are charted but not on the manuscript.

T-10915:
With the exception of a small section of bluff just north of "Aqualand", none of the charted bluff is shown on the manuscript.

The number and location of piers on the manuscript are in agreement with the latest available photographs and are believed to be more accurately shown than on Chart 558.

Two charted piles offshore from Morgantown are not on the manuscript.

66. ADEQUACY OF RESULTS AND FUTURE SURVEYS

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

Future surveys should:

1. Review delineation of bluffs with respect to their adequacy for charting.

2. Investigate discrepancy between field inspection on photo 57339, which shows a 25-foot bank just south of Howland Point, and the U.S.G.S. Dahlgren quadrangle which portrays a gentle slope at this point.

3. Investigate the marsh area at the mouth of Upper Machodoc Creek (near △ FINN, 1954). It was not shown on the Naval Weapons Laboratory "Station Map" and is therefore the only exclusion from the military reservation area. If the area in question is now a part of the military reservation, the boundary line shown on the manuscript would be incorrect.

Reviewed by

R. Glaser

R. Glaser

Approved by

Baltimore District Officer

Approved by

Chief, Review Section

J. E. Waugh 10/15/63

Chief, Photogrammetry Division

Chief, Nautical Chart Division

Chief, Operations 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 — December 5, 1960

I recommend that the following objects which have ~~(have not)~~ been inspected from seaward to determine their value as landmarks be charted on ~~(delete)~~ 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	DATE OF LOCATION	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED
										T-10914					
Steel Tower	Velocity Tower, N.P.G. No. 8 Ht = 124.6 (138.5)		38	19	33.34 1028	77	01	32.73 795	N.A. 1927	Photo Plot	6/18/59		x		556, 558
Steel Tower	Velocity Tower N.P.G. No. 9 Dahlgren Steel Tower 1941 Ht=166.8 (181.1)		38	19	36.55 1126.9	77	01	32.88 798.7	"	Triang.	"		x		558, 556
Steel Tower	Velocity Tower, N. P. G. No. 10 Ht = 123.2 (138.0)		38	19	35.94 1108	77	01	31.25 759	"	Photo Plot	"		x		556, 558
Steel Tower	Velocity Tower N. P. G. No. 11 Ht = 123.8 (138.8)		38	19	35.81 1104	77	01	31.00 753	"	"	"		x		556, 558
Steel Tower	Velocity Tower N. P. G. No. 12 Ht = 83.9 (99.5)		38	19	39.02 1203	77	01	30.88 750	"	"	"		x		" "
Steel Tower	Velocity Tower N. P. G. No. 13 Ht = 124.3 (139.8)		38	19	38.34 1182	77	01	29.52 717	"	"	"		x		" "
Steel Tower	Velocity Tower N. P. G. No. 1 Ht = 95.9 (107.7)		38	19	32.04 988	77	01	37.46 910	"	"	"		x		" "
Steel Tower	Velocity Tower N. P. G. No. 2 Ht = 168.6 (180.8)		38	19	31.56 973	77	01	36.48 886	"	"	"		x		" "
Steel Tower	Velocity Tower N. P. G. No. 3 Ht = 125.4 (138.9)		38	19	30.62 944	77	01	34.99 850	"	"	"		x		" "
Steel Tower	Velocity Tower No P. G. No. 4 Ht = 125.1 (138.69)		38	19	30.42 938	77	01	34.75 844	"	"	"		x		" "
Steel Tower	Velocity Tower N. P. G. No. 5 Ht = 94.6 (107.2)		38	19	34.51 1064	77	01	35.57 864	"	"	"		x		" "
Steel Tower	Velocity Tower N. P. G. No. 6 Ht = 166.7 (179.8)		38	19	34.05 1050	77	01	34.42 836	"	"	"		x		" "
Steel Tower	Velocity Tower N. P. G. No. 7 Ht = 122.98 (137.4)		38	19	33.47 1032	77	01	33.02 802	"	"	"		x		" "

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
(10-18-56)

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 Dec. 5, 1960

I recommend that the following objects which have ~~(will be)~~ been inspected from seaward to determine their value as landmarks be charted on ~~(be added to)~~ 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.P. METERS	LONGITUDE* ° ′	LONGITUDE* ″ D.P. METERS	DATUM	METHOD OF LOCATION AND SURVEY T-1091	DATE OF LOCATION	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED
F. P.	Flagpole, Dahlgren in front of piers Ht = 52.14 (56.03)		38 19	11.97 369	77 02	09.96 242	N.A. 1927	Photo Plot	5/20/59		x		556, 558
TANK (ELEV)	Dahlgren Proving Ground South Water Tank 1954 Ht = 113.89 (118.56)		38 19	15.288 471.4	77 02	11.518 279.8	"	Triang	"		x		" "
TANK	Dahlgren Water Tank, North, Ht = 109.09 (127.7)		38 20	05.61 173	77 02	41.42 1006	"	Photo Plot	6/12/59		x		" "
TANK	Northern of twin tanks, Dahlgren Proving Grounds Ht = 143.22 (162)		38 19	58.93 1817	77 02	35.78 869	"	"	6/11/59		x		" "
TANK	Southern of twin tanks, Dahlgren Proving Grounds Ht = 143.28 (162)		38 19	58.18 1794	77 02	35.66 866	"	"	"		x		" "

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, Dec. 5, 1960

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

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

William E. Kendall, *Chief of Party.*

STATE	MARYLAND-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
Light	Upper Machodoc Creek Channel Range Front Light		38 18	56.56 / 1744		77 02	08.11 / 197	N.A. 1927	Photo Plot T-10914	May 23 1959		x		556, 558
Light	Upper Machodoc Creek Channel Range Rear Light		38 18	58.87 / 1815		77 02	21.16 / 514	"	"	"		x		556, 558
Light	Persimmon Point Shoal Light 1928		38 22	15.63 / 481.9		77 00	01.79 / 43.5	"	Triang.	June 19 1959		x		556, 558 559

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, Md. Dec. 5, 1960

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

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

William E. Randall *Chief of Party.*

STATE	MARYLAND													
			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
	Morgentown Light 30, 1959 (Lower Cedar Pt. Beacon, 1928)		38 19	42.93 / 1323.7	76 59	01.90 / 46.1	N.A. 1927	T-10915 Triang.	Dec. 16 1959		x		556, 558 559
	Lower Cedar Point Lt. 1951		38 20	23.781 / 733.2	76 59	37.937 / 921.3	"	Triang.	June 19 1959		X		556, 558 559
	Bridge East Pier Fog Signal		38 21	44.33 / 1367	76 59	22.45 / 545	"	Photo Plot	Oct. 16 1958		x		556, 558, 559
	Bridge West Pier Fog Signal		38 21	44.33 / 1367	76 59	32.66 / 793	"	"	"		x		556, 558, 559

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

Aqualand

Berrys Wharf

Clifton Creek
Cobb Neck

Dahlgren
Ditchley Prong

Gambo Creek

Hoge Wharf
Howland Point

Lloyd Point
Lower Cedar Point

Mathias Point Neck
Morgantown

Pasquahanza Creek
Pasquahanza Pond
Persimmon Point
Piccowaxen Creek
Potomac River
Potomac River Bridge

Trunk Gut

U. S. Naval Weapons Laboratory
Upper Machodoc Creek

Waverly Point
Wayside
Wayside Creek
Williams Creek

George M. Bace
Geographic Names Section
28 June 1963

FORM C&GS-8352
(9-25-63)

NAUTICAL CHART DIVISION

RECORD OF APPLICATION TO CHARTS

FILE WITH DESCRIPTIVE REPORT OF SURVEY NO. T-10914 & 10915

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
556	1-10-69	A J Sunday	~~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
			Drawing No.
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			Drawing No.

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

USCOMM-DC 8558-P63