5341

Form 504
Rev. Dec. 1933

DEPARTMENT OF COMMERCE
U.S. COAST AND GEODETIC SURVEY
R. S. PATTON, DIRECTOR

DESCRIPTIVE REPORT

Air Photo
Topographic
~~*Hydrographic*~~ } *Sheet No.* 5341 5341

State Maryland

LOCALITY

Chesapeake Bay

~~Swan Point to Tolchester Point~~

Annapolis,

Project No. HT 175

*193*5

CHIEF OF PARTY

J.C. Partington Jr. H. & G.E.

U.S. GOVERNMENT PRINTING OFFICE: 1934

5341

Form 537a
Ed. Nov., 1929

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

REG. NO.

AIR PHOTO
TOPOGRAPHIC TITLE SHEET

The Topographic Sheet should be accompanied by this form, filled in as completely as possible, when the sheet is forwarded to the Office.

Field No. 5341

REGISTER NO. 5341

State Maryland

General locality Chesapeake Bay

Locality Annapolis ~~Eastern Point to Thomas Point~~

Date of Photographs Nov. 26, 1933; April 28, 1934

Scale 1:10,000 Date of ~~survey~~ Compilation January 23., 1935

Vessel Photo Compilation Party # 25

Reviewed and recommended for approval
Chief of party Lieut. (j.g.) J.C. Partington, January 24, 1935

Photographs plotted by R.D. Cross September 15, 1934

~~Surveyed by~~

Inked by A.F. Cerrito January 23, 1935

Heights in feet above ..... to ground to tops of trees

Contour, Approximate contour, Form line interval ..... feet

Instructions dated March 14, 1934

Remarks: Compilation of aerial photographs:
Nos.: 319-332; 393-403; 419-424.

-STATISTICS-

on

SHEET, FIELD NO. 5341, REG. NO. T-5341.

PHOTOS, NO. 319 to 332
393 to 403
419 to 424

DATE OF PHOTOGRAPHS November 28, 1933
April 28, 1934

10:35 A.M. - 1:00 P.M.
11:20 A.M. - 1:00 P.M.

	BY	DATE FROM	DATE TO
ROUGH RADIAL PLOT	E.C. Broadwell & R.D. Cross	6-11-34	6-20-34
SCALE FACTOR (.956)	E.C. Broadwell & R.D. Cross	6-11-34	6-20-34
SCALE FACTOR CHECKED	J.C. Partington	6-21-34	6-21-34
PROJECTION	R.D. Cross	7- 2-34	7- 3-34
PROJECTION CHECKED	J.C. Partington	7- 3-34	7- 3-34
CONTROL PLOTTED	D.J. Batte	7- 3-34	7- 7-34
CONTROL CHECKED	E.C. Broadwell	7- 9-34	7-10-34
TOPOGRAPHY TRANSFERRED	A.F. Cerrito	9-19-34	9-19-34
TOPOGRAPHY CHECKED	R.D. Cross	9-20-34	9-20-34
SMOOTH RADIAL LINE PLOT	R.D. Cross	9- 5-34	9-15-34
RADIAL LINE PLOT CHECKED	J.C. Partington	9-17-34	9-18-34
DETAIL INKED	A.F. Cerrito	10- 1-34	1-23-35

AREA OF DETAIL INKED 10.32 sq. Statute Miles (Land Area)

AREA OF DETAIL INKED 0.02 sq. Statute Miles (Shoals in Water Area)

LENGTH OF SHORELINE (more than 200 m. from nearest opposite shore)
26.7 Statute Miles

LENGTH OF SHORELINE (rivers and sloughs less than 200 m. wide)
13.34 Statute Miles

LENGTH OF STREETS, ROADS, TRAILS, R.R., etc. 85.4 Statute Miles

GENERAL LOCATION Maryland, Chesapeake Bay

LOCATION ~~Thomas Pt. to Greenbury Pt.; Annapolis & Severn River to Horseshoe Pt.~~ Annapolis.

DATUM North American 1927

STATION Naval Academy, dome, finial 1933
Field Computations
Latitude 38° 58' 53.206" = 1641.2 m.
Longitude 76° 29' 12.127" = 292.0 m.

PROJECTION DIAGRAM

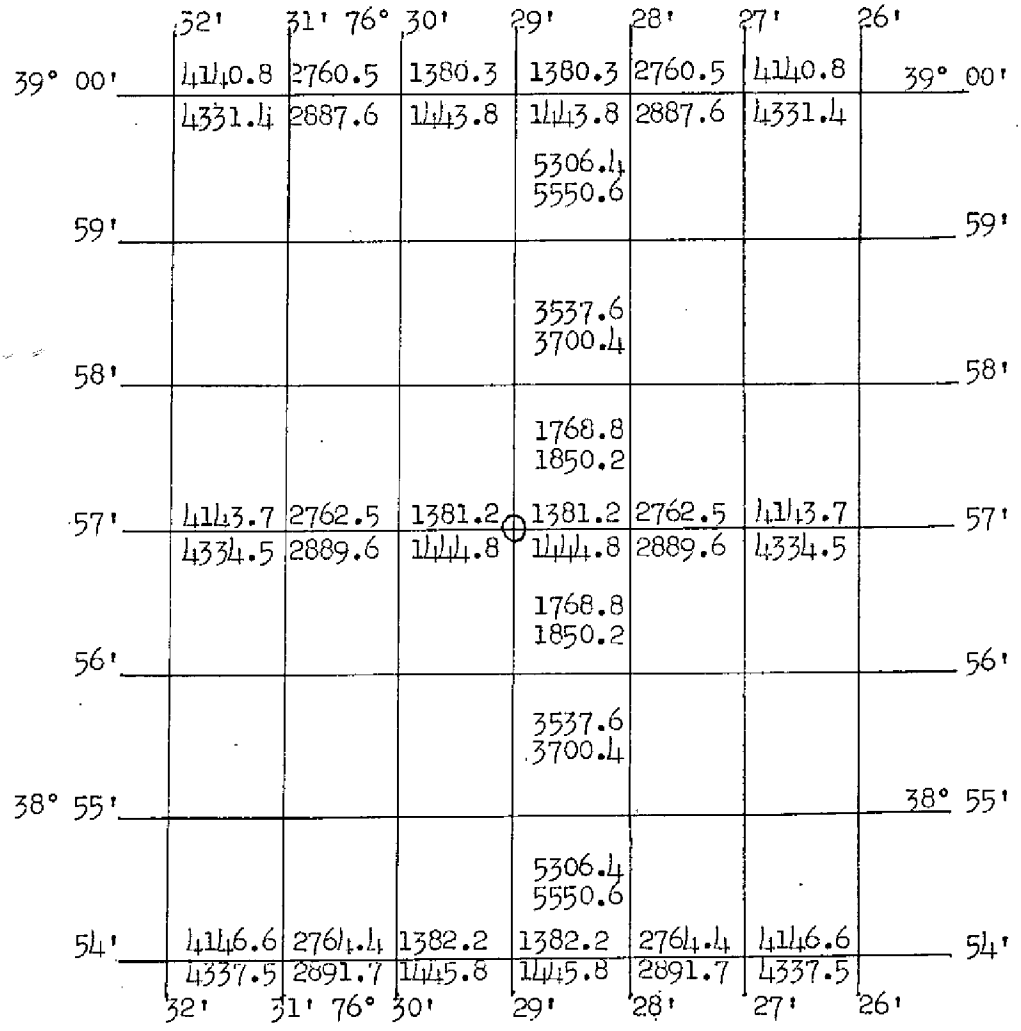
SHEET NO. 5341

Scale = 1:10,000

Scale Factor = .956

Distances multiplied by scale factor are given in red.

- - - -



Layout by R.D.C. 7-2-34
Checked by J.C.P. 7-2-34

SHEET NO. 5341

SCALE FACTOR COMPUTATIONS

Flight	Average Scale Factor
Photos 319-361	.955
Photos 362-403	.957

Average Scale Factor for Sheet = .956

SHEET NO. 5341

SCALE FACTOR COMPUTATIONS

Photos 419-424

- - -

Station	to Station	Measured Distance	Computed Distance	Scale Factor Meas./Comp.
Chimney large grey house, Turkey Point 1932*	Brew 1933*	3000	2852	1.052
Brew 1933*	Tower, Annapolis Rds. Club 1932*	5665	5367	1.056
Brew 1933*	Harness 1933*	845	788	1.072

Average Scale Factor=1.060

This small flight was disregarded in computing scale factor for the sheet inasmuch as it was flown on a different day and evidently at a different altitude. Also, covered such a small area that it was impossible to get good intersections in order to compute scale factor.

Triangulation stations marked (*) fall on this sheet.

Computed by R.D.C. 7/5/34
Checked by J.C.P.

SHEET NO. 5341

SCALE FACTOR COMPUTATIONS

Photos 319-361

- - -

Station	to Station	Measured Distance	Computed Distance	Scale Factor Meas./Comp..
South Chimney Red-roofed house 1932*	Acre 1933	7290	7569	.963
Acre 1933	Purse 1906 r'33	2297	2392	.960
Acre 1933	Pavilion 1933	2415	2515	.960
Purse 1906 r'33	Center Chimney, Labrot house, red brick, Crabbing Cr. 1932	5345	5521	.968
Center Chimney, Labrot house, red brick, Crabbing Cr. 1932	South Chimney Red-roofed house 1932*	4858	5039	.964
Center Chimney, Labrot house, red brick, Crabbing Cr. 1932	Green 1932 r'34*	3812	3951	.965
South Chimney Red-roofed house 1932*	Annapolis High Power Radio Tower No. 1 1932*	2345	2453	.956
Disposal Plant Chy. 1915 r'33	Rude 1933	3004	3163	.950
Disposal Plant Chy. 1915 r'33	Field 1903 r'32*	3934	4148	.948
Disposal Plant Chy. 1915 r'33	Tar 1933	3571	3762	.949
Rude 1933	Tar 1933	1803	1908	.945
Rude 1933	Field 1903 r'32*	1444	1527	.946
Field 1903 r'32*	Tar 1933	855	906	.944
Arundel (1898-1906) r'32*	Ridge (R.M.#3) 1932*	3467	3638	.953

Average Scale Factor = .955

Triangulation stations marked (*) fall on this sheet.

This average scale factor is computed for the entire flight but only part of this flight (319-332) falls on the tracing area of this sheet.

Computed by E.C.B. 6/13/34
Checked by J.C.P.

SHEET NO. 5341

SCALE FACTOR COMPUTATIONS

Photos 362-403

- - -

Station	to Station	Measured Distance	Computed Distance	Scale Factor Meas./Comp.
Rock Point 1906	Disposal Plant Chy. 1915 r'33	4610	4770	.966
Disposal Plant Chy. 1915 r'33	Tar 1933	3650	3763	.970
Tar 1933	Linstid 1848 r'33	3050	3163	.964
Park 1933	Chest 1933	1378	1438	.958
Chest 1933	Linstid 1848 r'33	1245	1316	.946
Linstid 1848 r'33	Rock Point 1906	8285	8588	.965
Green 1932 r'34*	Fort 1903 r'32*	1066	1114	.957
Chink 1932*	Green 1932 r'34*	1983	2071	.958
Greenbury Pt. shoal Light-house 1898 r'32*	Chink 1932*	1645	1715	.959
Greenbury Pt. shoal Light-house 1898 r'32*	Green 1932 r'34*	780	812	.961
Cross on Cath-olic Retreat, Manresa 1932*	Field 1903 r'32*	1030	1077	.956
Cross on Cath-olic Retreat, Manresa 1932*	Weems 1903 r'32*	1295	1367	.947
Annapolis High Power Radio Tower No. 1 1932* r'33	Green 1932 r'34*	1353	1411	.959
Annapolis High Power Radio Tower No 2 1932* r'33	Green 1932 r'34	1110	1153	.963
Annapolis High Power Radio Tower No. 3 1932* r'33	Green 1932 r'34	744	773	.962

(cont'd)

SHEET NO. 5341

SCALE FACTOR COMPUTATIONS

Photos 362-403 (cont'd)

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Station	to	Station	Measured Distance	Computed Distance	Scale Factor Meas./Comp.
Annapolis High Power Radio Tower No. 4 1932 r'33*		Green 1932 r'34*	1390	1450	.959
Annapolis High Power Radio Tower No. 6 1932 r'33*		Green 1932 r'34*	830	860	.965
High Black Water Tank 1932		Field 1903 r'32*	2374	2489	.954
High Black Water Tank 1932		Weems 1903 r'32*	1132	1192	.950
South Chimney Red-roofed house 1932*		Field 1903 r'32*	1128	1180	.956
South Chimney Red-roofed house 1932*		Severn 1932*	570	601	.948
High Black Stand-pipe, Annapolis 1932 r'33*		Severn 1932*	2530	2659	.951
High Black Stand-pipe, Annapolis 1932 r'33*		Cliff 1932*	2548	2661	.958
Cliff 1932*		Fort 1903 r'32*	980	1022	.959
Severn 1932*		Cliff 1932*	1510	1588	.951
Field 1903 r'32*		Severn 1932*	770	803	.959
Manresa 1932*		Severn 1932*	943	984	.958
Manresa 1932*		Field 1903 r'32*	897	940	.954
Weems 1903 r'32*		Manresa 1932*	1197	1259	.951
Weems 1903 r'32*		Field 1903 r'32*	1495	1566	.955
Jacqueline 1932*		Manresa 1932*	993	1034	.960
Jacqueline 1932*		Weems 1903 r'32*	490	516	.950

(cont'd)

SHEET NO. 5341

SCALE FACTOR COMPUTATIONS

Photos 362-403 (cont'd)

- - -

Station	to	Station	Measured Distance	Computed Distance	Scale Factor Meas./ Comp.
Mago 1933		Ulm 1933	1980	2063	.960
Pagoda 2 Story 1933		Mago 1933	355	374	.949
			Average Scale Factor	=	.957

This average scale factor is computed for the entire flight but only part of the flight (393-403) falls on the trading area of the sheet.

Triangulation stations marked (*) fall on this sheet.

Computed by R.D.C. 6/20/34
Checked by J.C.P.

SHEET NO. 5341

CONTROL DATA

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	North American Datum °	'	"	m.	1927 Datum m.	x Scale Factor m.
Annapolis Catholic Church Spire 1898 r'32	38	58	30.353	935.9	(925.3) 924.9	(884.6) 884.2
	76	29	17.078	411.1	(1029.4) 415.1	(984.1) 396.8
Annapolis High power radio tower No. 1 1932 r'33	38	59	17.09	527.0	(1334.2) 516.0	(1275.5) 493.3
	76	27	11.84	285.0	(1155.2) 289.0	(1104.4) 276.3
Annapolis High power radio tower No. 2 1932 r'33	38	59	08.70	268.3	(1592.9) 257.3	(1522.8) 246.0
	76	27	12.00	288.8	(1151.3) 292.8	(1100.6) 280.0
Annapolis High power radio tower No. 3 1932 r'33	38	58	56.33	1737.0	(124.2) 1726.0	(118.7) 1650.1
	76	27	12.22	294.1	(1146.3) 298.1	(1095.9) 285.0
Annapolis High power radio tower No. 4 1932 r'33	38	59	16.97	523.3	(1337.9) 512.3	(1279.0) 490.0
	76	27	01.10	26.5	(1413.7) 30.5	(1351.5) 29.2
Annapolis High power radio tower No. 6 1932 r'33	38	58	56.20	1733.0	(128.2) 1722.0	(122.6) 1646.2
	76	26	59.82	1440.2	(0.3) 1444.2	(0.3) 1380.7
Annapolis, St. Annes Church, spire 1898 r'32	38	58	42.346	1305.7	(555.7) 1294.7	(531.1) 1237.7
	76	29	35.633	857.8	(582.7) 861.8	(557.1) 823.9
Annapolis Statehouse spire 1932 r'33 * (N.A. 1927 Datum)	38	58	43.128		(520.3) 1329.9	(497.4) 1271.4
	76	29	28.340		(762.2) 682.3	(728.7) 652.3
Arundel (1898-1906) r'32	38	54	42.170	1300.4	(560.8) 1289.4	(536.1) 1232.7
	76	28.	08.614	207.5	(1234.3) 211.5	(1180.0) 202.2

(*) Computed directly on N.A. 1927 Datum.

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CONTROL DATA

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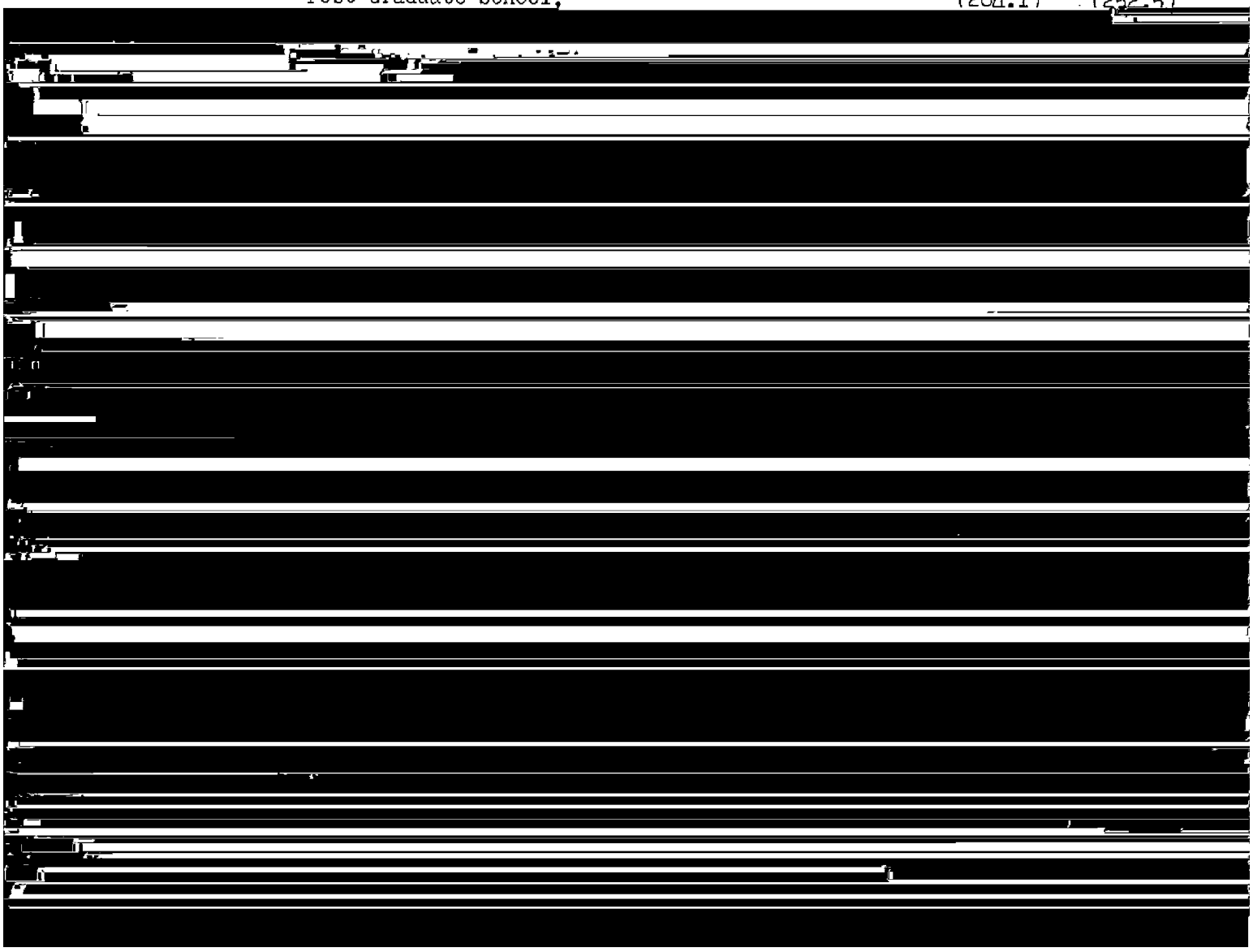
	North American Datum °	'	"	m.	1927 Datum m.	x Scale Factor m.
					(1324.6)	(1266.3)
Black Water Tank, Annapolis Naval	38	59	17.40	536.6	525.6	502.5
Radio Station 1932	76	27	07.52	181.0	(1259.1) 185.0	(1203.7) 176.9
					(872.2)	(833.8)
Brew 1933	38	55	32.074	989.1	978.1	935.1
	76	31	10.607	255.5	(1186.0) 259.5	(1133.8) 248.1
					(1315.1)	(1257.2)
Central Peak of Roof	38	59	17.71	546.1	535.1	511.6
Post Graduate School,					(264.1)	(252.5)



SHEET NO. 5341

CONTROL DATA

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	North American Datum °	'	"	m.	1927 Datum m.	x Scale Factor m.
					(447.0)	(427.3)
Field 1903 r'32	38	59	45.861	1414.2	1403.2	1341.5
					(521.1)	(498.2)
	76	29	38.191	919.0	923.1	882.5
					(1677.4)	(1603.6
Fire Lookout Tower (Finial) 1932	38	56	05.96	183.8	172.8	165.2
					(1321.5)	(1263.4)
	76	30	04.97	119.7	123.7	118.3
					(499.2)	(477.2)
Flag Pole, Ferry Point 1933	38	56	44.17	1362.0	1351.0	1291.6
					(79.4)	(75.9)
	76	31	56.54	1361.6	1365.6	1305.5
					(83.5)	(79.8)
Fort 1903 r'32	38	58	57.648	1777.7	1766.7	1689.0
					(279.8)	(267.5)
	76	27	48.223	1160.7	1164.7	1113.5
					(890.6)	(851.4)
Green 1932 r'34	38	58	31.475	970.6	959.6	917.4
					(1046.9)	(1000.8)
	76	27	16.352	393.6	397.6	380.1
					(1702.5)	(1627.6)
Greenbury Pt. shoal Lighthouse 1898 r'32	38	58	05.147	158.7	147.7	141.2
					(1050.3)	(1004.1)
	76	27	16.210	390.2	394.2	376.9
					(146.7)	(140.2)
Harness 1933	38	55	55.600	1714.4	1703.4	1628.5
					(49.2)	(47.0)
	76	30	57.792	1392.0	1396.0	1334.6
					(526.0)	(502.9)
High Black Standpipe, Annapolis 1932 r'33	38	58	43.30	1335.2	1324.2	1266.0
					(1171.4)	(1119.9)
	76	30	11.18	269.1	273.1	261.1
					(1047.3)	(1001.2)
Hipt 1932 r'33	38	55	26.395	813.9	802.9	767.6
					(1383.4)	(1322.5)
	76	30	02.414	58.2	62.2	59.5

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CONTROL DATA

(cont'd)

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	North American Datum °	'	"	m.	1927 Datum m.	x Scale Factor m.
					(1226.3)	(1172.3)
Horn 1910 r'32	38	58	20.590	634.9	623.9	596.4
					(735.7)	(703.3)
	76	28	29.279	704.8	708.8	677.6
					(1212.4)	(1159.1)
Hospital 1932	38	59	21.038	648.8	637.8	609.7
					(727.6)	(695.6)
	76	29	29.605	712.5	716.5	716.5
					(862.0)	(824.1)
Jacqueline 1932	39	00	32.403	999.2	988.2	944.7
					(1156.4)	(1105.5)
	76	30	11.780	283.4	287.4	274.8
					(1833.9)	(1753.2)
Lighthouse depot, east chimney 1910	38	59	00.885	27.3	16.3	15.6
					(83.1)	(79.4)
	76	27	56.380	1357.0	1361.0	1301.1
					(1363.2)	(1303.2)
Manresa 1932	39	00	16.148	498.0	487.0	465.6
					(616.9)	(589.8)
	76	29	34.200	822.9	826.9	790.5
					(973.6)	(930.8)
Milvin 1933	38	56	28.785	887.6	876.6	838.0
					(637.4)	(609.4)
	76	31	33.371	803.7	807.7	772.2
					(209.0)	(199.8)
Naval Academy, dome, finial 1933*	38	58	53.206		1641.2	1569.0
(N.A. 1927 Datum)					(1152.5)	(1101.8)
	76	29	12.127		292.0	279.2
					(1241.9)	(1187.3)
Naval Hospital cupola 1906 r'32	38	59	20.083	619.3	608.3	581.5
					(711.4)	(680.1)
	76	29	30.277	728.7	732.7	700.5
					(149.0)	(142.4)
North Cupola, Bancroft Hall 1910 r'32	38	58	55.523	1712.2	1701.2	1626.3
					(0.8)	(0.8)
	76	28	59.817	1439.7	1443.7	1380.2
					(1654.8)	(1582.0)
Power-house stack 1910 r'32	38	59	06.692	206.4	195.4	186.8
					(1252.7)	(1197.6)
	76	29	07.788	187.4	191.4	183.0

(*) Computed directly on N.A. 1927 Datum.

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SHEET NO. 5341

CONTROL DATA

(cont'd)

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	North American Datum °	'	"	m.	1927 Datum m.	x Scale Factor m.
					(1596.8)	(1526.5)
Radio Tower No. 5 1932 r'33	38	59	08.576	264.4	253.4	242.3
					(1410.3)	(1348.2)
	76	27	01.238	29.8	33.8	32.3
					(1095.6)	(1047.4)
Ridge 2 1934* (N.A. 1927 Datum)	38	56	24.471		754.6	721.4
					(1289.3)	(1232.6)
	76	27	06.470		155.8	148.9
					(227.8)	(217.8)
Severn 1932	38	59	52.967	1633.4	1622.4	1551.0
					(1293.9)	(1237.0)
	76	29	06.093	146.6	150.6	144.0
					(692.5)	(662.0)
South Chimney, Red-roofed house 1932	38	59	37.90	1168.7	1157.7	1106.8
					(232.0)	(221.8)
	76	28	50.22	1208.5	1212.5	1159.2
					(209.5)	(200.3)
St. Johns College 1898 r'32	38	58	53.567	1651.7	1640.7	1568.5
					(719.7)	(688.0)
	76	29	29.945	720.8	724.8	692.9
					(1701.2)	(1626.3)
Tall smokestack, Isherwood Hall, U.S. Naval Academy, Annapolis 1932	38	59	05.19	160.0	149.0	142.4
					(1037.0)	(991.4)
	76	29	16.75	403.1	407.1	389.2
					(57.2)	(54.7)
Tall Windmill (Near tank) 1932	38	55	58.50	1804.0	1793.0	1714.1
					(426.3)	(407.5)
	76	29	42.15	1015.2	1019.2	974.4
					(343.7)	(328.6)
Tallest White windmill 1932	38	55	49.21	1517.5	1506.5	1440.2
					(684.2)	(654.1)
	76	29	31.44	757.3	761.3	727.8
					(1691.0)	(1616.6)
Tower, Annapolis Rds. Club 1932	38	57	05.52	170.2	159.2	152.2
					(1377.2)	(1316.6)
	76	28	02.64	63.6	67.6	64.6
					(1461.2)	(1396.9)
Water tank (finial) 1932	38	54	12.97	400.0	389.0	371.9
					(0.4)	(0.4)
	76	29	59.82	1441.4	1445.4	1381.8

(*) Computed directly on N.A. 1927 Datum.

(cont'd)

SHEET NO. 5341

CONTROL DATA

(cont'd)

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	North American Datum °	'	"	m.	1927 Datum m.	x Scale Factor m.
Weems 1903 r'32	39	00	20.068	618.8	(1242.4) 607.8	(1187.7) 581.1
	76	30	26.286	632.6	(807.2) 636.6	(771.7) 608.6
West cupola, large red-roofed barn 1932	38	55	51.61	1591.5	(269.7) 1580.5	(257.8) 1511.0
	76	29	48.50	1168.2	(273.3) 1172.2	(261.3) 1120.6
White water tank (near windmill) 1932	38	55	49.97	1540.9	(320.3) 1529.9	(306.2) 1462.6
	76	29	52.63	1267.7	(173.8) 1271.7	(166.2) 1215.7
† Front Gable Whitehall House, Whitehall Creek 1932	39	00	16.12	497.1	(1364.1) 486.1	(1304.0) 464.7
	76	25	45.19	1087.4	(352.4) 1091.4	(336.9) 1043.4
† Middle Chimney Yellow House 1933	38	57	08.67	267.4	(1593.9) 256.4	(1523.8) 245.1
	76	32	14.12	340.0	(1100.8) 344.0	(1052.4) 328.9
† Almshouse 1899 r'33	38	56	28.017	864.0	(997.3) 853.0	(953.4) 815.5
	76	32	17.032	410.2	(1030.9) 414.2	(985.5) 396.0
† East Chimney Red Roofed House Glebe Creek 1933	38	56	10.82	333.7	(1527.6) 322.7	(1460.4) 308.5
	76	32	10.98	264.5	(1176.7) 268.5	(1124.9) 256.7

† Does not fall within limits of this compilation ~~as shown~~.

L.A.M.

DESCRIPTIVE REPORT

To Accompany

PHOTO COMPILATION SHEET NO. 5341

Chesapeake Bay; ~~Thomas Pt. to Greenbury Pt., Annapolis, &~~ Annapolis.

~~Severn River to Horseshoe Pt.~~

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1. GENERAL INFORMATION:

(a) Refer to Title Sheet.

(b) Refer to Statistics Sheet.

(c) No general report covering this area is available. The area extends from the north shore of the Severn River to the north shore of the South River and from Chesapeake Bay on the east to approximately the 76° 30' 30" meridian on the west.

The largest contour shown in thisarea is 100 feet,the territory being covered by low hills which are heavily wooded. The City of Annapolis, Md., is shown on this sheet.

(d) The following photographs were used in plotting this sheet:

Photo Numbers	Flight Strip Location	Date	Time	Stage of Tide
319 to 332	Over Thomas Point and Tolley Point	11-28-33	10:35 AM to 1:00 PM	Low--- 7:42 AM High-- 2:25 PM
393 to 403	Over Annapolis	11-28-33	1:00 PM	Low--- 7:57 AM High-- 2:40 PM
419 to 424	Over Duvall Creek on South River	4-28-34	11:20 AM	Low---10:13 AM High-- 3:19 PM

(e) Refer to Statistics Sheet.

2. CONTROL:

(a) Sources:

The triangulation stations shown on the ~~celluloid~~ compilation. furnished sufficient control for plotting the sheet.

These triangulation stations were obtained from the ~~progress sketches~~ work. of the following Chiefs of Parties:

Lieut. John A. Bond, Lieut. Roland D. Horne — South, West & Rhode Rivers 1933, Project No. G-113 1933

Comdr. L.O. Colbert, Lieut. John Bowie Jr. — South & Severn River, Entrance 1932, Project No. G-189 1934

Station "Lighthouse Depot, east chimney 1910" obtained from the publication "Triangulation in Maryland."

DESCRIPTIVE REPORT

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The triangulation stations obtained from the ~~progress sketches~~ work of Lieut. Roland D. Horne 1933 and Lieut. John Bowie Jr. 1934 were on North American 1927 Datum. All other stations were adjusted to North American 1927 Datum by applying the following correction furnished by the Washington Office: From the forward latitude position subtract eleven meters and to the forward longitude position add four meters.

(b) Errors:

The following stations shown on the celluloid sheet were not used in running the radial plot:

Station Name	Remarks
Black Water Tank, Annapolis Radio Station 1932	Field party was doubtful which of two tanks to tie in.
Fire Lookout Tower (finial) 1932	Not tied in by field party. Picked under stereoscope.
Hospital 1932	Was not used because the station "Naval Hospital Cupola 1906 r'32" is only a very short distance away and could be pricked more accurately than "Hospital".
Lighthouse depot, east chimney 1910	Was not tied in by field party.
Ridge 2 1934	Was not established by the triangulation party until after radial plot was complete.
Tall Windmill (Near Tank) 1932	Not tied in by field party. Picked under stereoscope.
Tallest White windmill 1932	Not tied in by field party. Picked under stereoscope.
Water Tank (finial) 1932	Off pictures used in running plot.
West cupola, large red-roofed barn 1932	Not tied in by field party. Picked under stereoscope. (Doubtful).
White Water tank (near windmill) 1932	Not tied in by field party. Picked under stereoscope.
Middle Chimney Yellow House 1933	Off pictures used in running plot.
East Chimney Red Roofed House Glebe Creek 1933	Off pictures used in running plot.

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Station Name	Remarks
Chink 1932	Was incorrectly tied in by the field party.
Tall Smokestack Isherwood Hall	Was not tied in by field party. Picked under steroscope.

(c) Discrepancies:

No discrepancy in position of any control station was found in running the plot.

3. COMPILATION:

(a) Method:

The usual radial line plot was used to determine the position of all radial points.

(b) Adjustments of plot:

It was very difficult to obtain good intersections in the area covered by pictures 419 to 424. These pictures differ about seven per cent in scale from any other pictures on the sheet and in addition they appear to be badly tilted. The plot was finally worked through by using existing triangulation for control.

[redacted]

(c) Interpretation:

DESCRIPTIVE REPORT

SHEET NO. 5341

- - -

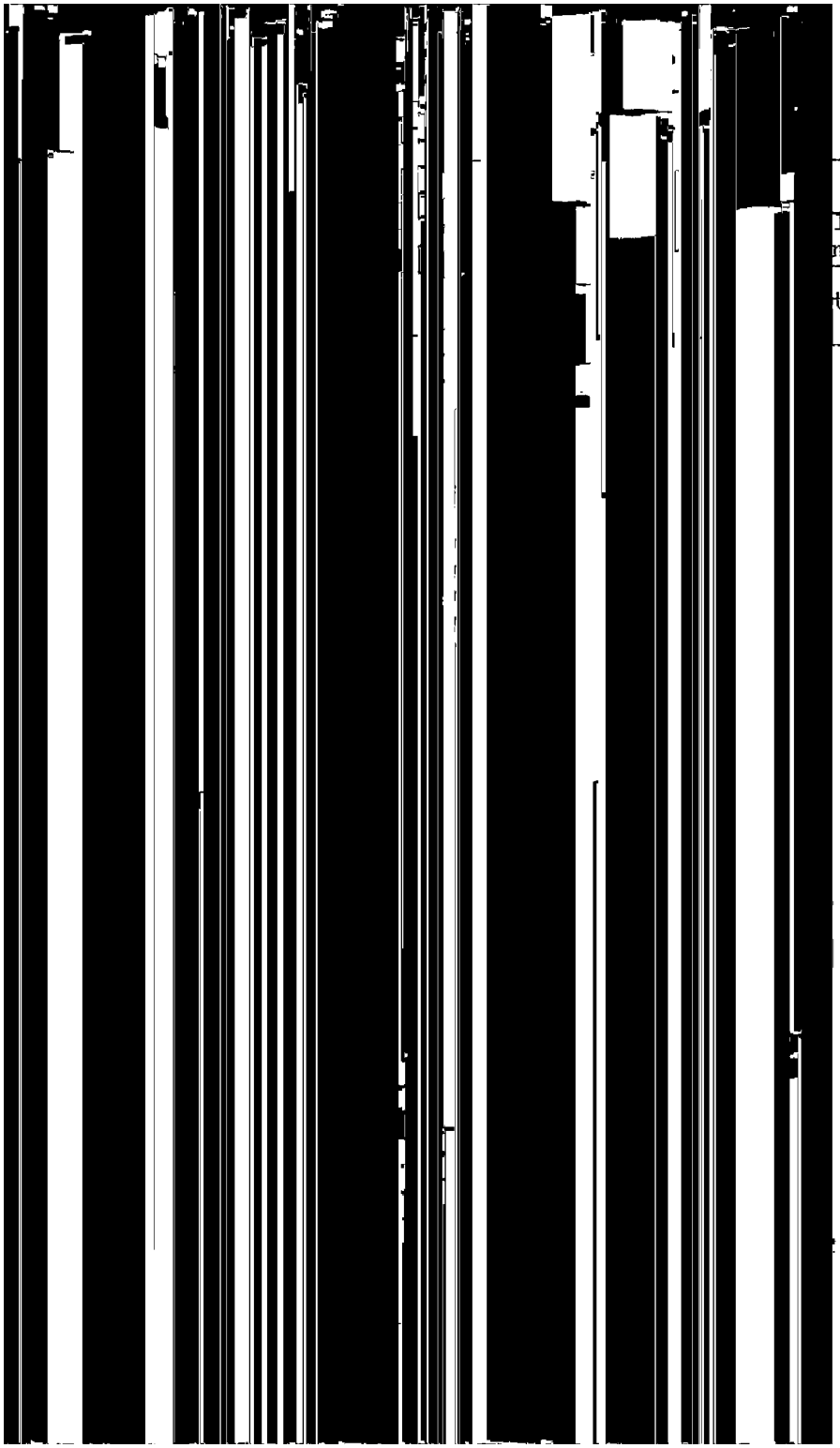
Harness Creek and the shore line between this creek and triangulation station "Hipt 1932" is also covered by the group of pictures mentioned above. In this area the shore line from topographic sheet, Register No. 6032, was followed as a guide.

Weems Creek on the Severn River is covered by photographs which are very dim and in order to trace this detail as accurately as possible, the shore line as shown on topographic sheet, Register No. 2629, was used as a guide. Where the pictures plainly show small changes in shore line, these changes were made.

Bridges:

The following information was obtained from the U.S. Engineers Department at Baltimore, Md., on January 26, 1935. All of this information is contained in the publication "List of Bridges over the Navigable Waters of the United States - 1927" except the electric railway bridge over ~~College Creek~~ Dorsey's Creek which was completed in 1933. (See next sheet).

All other information except names was obtained directly from the pictures.



BRIDGES

Channel Spans							
lear width mal to channel			Clear Height				Purpose for which bridge is used
t	Center	Right	M.L.W.	H.W.	Completion reported	Operating regulations and closed periods	
---	44		7.2	5.2	1914	---	High-way
45	---		8.4	6.4	Oct. 15, 1915	Sunset to Sunrise	High-way
40	---		13.2	11.2	---	Sunset to Sunrise	Elec-R.R.
40	---		8.0	6.0	1933	Sunset to Sunrise	Elec-R.R.
---	40		6.2	4.2	May 1907	Sunset to Sunrise	High-way
71	---		17.5	15.5	Aug. 11, 1926	Oper. Reg. App. Sept. 4, 1926	High-way
---	62		7.2	5.2	Aug. 11, 1926	Oper. Reg. App. Jan. 15, 1901	Elec-R.R.

DESCRIPTIVE REPORT

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- - - -

(e) Conflicting Names:

College Creek--This creek is locally known as College Creek and is shown as such on topographic sheet, Register No. 4677. It iscalled Dorseys Creek on U.S. Coast & Geodetic Survey Chart No. 566 and on U.S. Geological Survey, Annapolis Quadrangle. It is recommended that the name College Creek be used. Dorseys is a U.S.G.B decision. Records of U.S.G.B. show Dorseys to be the legal name used in Anne Arundel County official documents. College Creek is colloquial usage in Naval Academy. HMS 3/1/35.

(also #5199)

4. COMPARISON WITH OTHER SURVEYS:

(a) This compilation was compared with photostats of topographic Sheets of the U.S. Coast & GeodeticSurvey, Register Nos. T 4679, 4678, 4677, 6032 and 2629. It was also compared with U.S. Geological Survey Quadrangles.

Junctions with adjoining sheets have been satisfactorily made.

(b) The shore line checks very accurately with that shown on the topographic sheets mentioned above. Small changes in shore line have been made in DuvallCreek, Harness Creek, Fishing Creek, Blackwalnut Creek, Lake Ogleton, Back Creek, ~~College~~ Dorseys Creek and Weems Creek.

Docks:

A photostat of topographic sheet Register No. 4677 was taken into the field in January 1935 in order to verify or disprove the existence of certain docks by a visual inspection.

The following docks shown on topographic sheet No. 4677 are no longer in existence and are not shown on the photo compilation:

Dock	Lat.-- 38° 59.6'		Northwest of Ferry Point
	Long.- 76° 28.8'		
Dock	Lat.-- 38° 59.8'		Horseshoe Point
	Long.- 76° 29.6'		
Dock	Lat.-- 38° 59.8'		West of railroad bridge
	Long.- 76° 29.8'		
Dock	Lat.-- 38° 58.4'		North of Spa Creek bridge
	Long.- 76° 29.1'		
Dock	Lat.-- 38° 58.5'		North of Spa Creek bridge
	Long.- 76° 29.1'		

Note - The photographs are subsequent to T 4677 and the dock shown on T 4677 was evidently down when the photos were taken. No position is available for the new dock.

B.G. Jones

Note The value of 3 to 5 meters given on the opposite page is high for work on this scale. A better estimate is an accuracy of resolution of 3 to 5 meters for intersected points and 3 to 10 meters for other detail.

B.G. Jones

DESCRIPTIVE REPORT

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- - - -

(b) The width of roads has been exaggerated where necessary to procure well defined lines when the sheet is reproduced.

Only houses located where they may be of value for hydrography have been shown.

7. RECOVERABLE OBJECTS:

Following is a list of described topographic stations which could be identified on the photographs. Their positions as given on Form No. 524 are compared with the positions as scaled from photo compilation No. 5341. The radial plot and drafting have been carefully checked and it is recommended that the positions as given by the photo compilation be taken as correct.

Station Name	Appears on Topo Sheet	Position NA Datum Form 524			NA 1927 Datum	Position on Sheet No. 5341			
		°	′	m.	m.	°	′	m.	
Pole	4679	38	55	647	636	Was not located by field party.			
		76	27	1011	1015				
Red	4679	38	55	278	267	38	55	261	261 *
		76	27	933	937	76	27	940	938
Elk Monument	4677	38	58	1577	1566	38	58	1566	1563
		76	29	1366	1370	76	29	1369	1368
Gable	4677	38	59	23	12	Triangulation station "Light House Depot, East Chy. 1910" is on the same bldg. with the recoverable station Gable.			
		76	27	1359	1363				
Green	4677	38	59	1308	1297	38	59	1404	1404 *
		76	28	1433	1437	76	28	1440	
East of the Maine	4677	38	58	1688	1677	38	58	1642	1641
		76	28	1071	1075	76	28	1075	1076
Nat	4677	38	59	1242	1231	38	59	1235	1234
		76	29	216	220	76	29	220	221
Brick	4678	28	56	1702.5	1691.5	38	56	1692	1694
		76	27	1405.7	1409.7	76	27	1397	1395
Dance	4678	38	55	1634.9	1623.9	38	55	1625	1622 *
		76	27	1137.3	1141.3	76	27	1145	1144

© Gable (1) was not transferred for the reason given.

* See following page.

DESCRIPTIVE REPORT

SHEET NO. 5341

- - -

Station Name	Appears on Topo Sheet	Position N.A. Datum From 524				NA 1927 Datum	Position on Sheet No. 5341		
		°	'	m.		m.	°	'	m.
Cud	4679	38	55	617	613	606	38	55	614
		76	29	470	467	474	76	29	470
Dill	4679	38	55	456	445	445	38	55	448
		76	29	342	341	346	76	29	345
Gold	4679	38	54	1709		1698	Not located by field party.		
		76	27	783		787			
Leg	4679	38	55	1779.6		1768.6	Not located by field party.		
		76	27	1032.6		1036.6			
Pier	4679	38	54	1652	1648	1641	38	54	1646
		76	27	1062	1066	1066	76	27	1066
Pit	4679	38	55	1275	1258	1264	38	55	1258
		76	28	1251	1253	1255	76	28	1253
Nag	4678	[redacted]							

DESCRIPTIVE REPORT

SHEET NO. 5341

- - -

8. CABLE AREAS:

Chart No. 566 shows three cable areas and one pipeline area on this sheet. Since no accurate data of the positions of these areas are available in this office, these areas are not shown on the photo compilation.

Respectfully submitted,

J.C. Partington

J.C. Partington
Jr. H. & G. E.
Chief of Party

Form 567
Rev. Jan. 1933

DIVISION OF CHARTS, FILE NO._____

DEPARTMENT OF COMMERCE
U.S. COAST AND GEODETIC SURVEY

LANDMARKS FOR CHARTS

Baltimore, Md.

January 24, 1935

DIRECTOR, U.S. COAST AND GEODETIC SURVEY:

The following determined objects are prominent, can be readily distinguished from seaward from the description given below, and should be charted:

The prominence of these objects has been checked from the water.

J.C. Partington *Chief of Party.*

DESCRIPTION	POSITION						METHOD OF DETERMINATION	CHARTS AFFECTED
	LATITUDE			LONGITUDE		DATUM		
	°	′	D.M. METERS	°	′	D.P. METERS		
HOSPITAL CUP (△Naval Hospital cupola 1906r'32)	38	59	608.3	76	29	732.7	N.A. 1927	Triang.	566
STACK (△Power-house stack 1910 r'32)	38	59	195.4	76	29	191.4	N.A. 1927	Triang.	566, 1225
S CHY RED ROOFED HSE (△S Chy red-roofed House 1932)	38	59	1157.7	76	28	1212.5	N.A. 1927	Triang.	566
NAVAL RADIO TOWER (△Annapolis High power radio tower No. 1 1932 r'33)	38	59	516.0	76	27	289.0	N.A. 1927	Triang.	77, 566, 1225
NAVAL RADIO TOWER (△Annapolis high power radio tower No. 2 1932 r'33)	38	59	257.3	76	27	292.8	N.A. 1927	Triang.	77, 566, 1225
NAVAL RADIO TOWER (△Annapolis High power radio tower No. 3 1932 r'33)	38	58	1726.0	76	27	298.1	N.A. 1927	Triang.	77, 566, 1225
NAVAL RADIO TOWER (△Radio Tower No. 5 1932 r'33)	38	59	253.4	76	27	33.8	N.A. 1927	Triang.	77, 566, 1225
NAVAL RADIO TOWER (△Annapolis High power radio tower No. 6 1932 r'33)	38	58	1722.0	76	26	1444.2	N.A. 1927	Triang.	77, 566, 1225
DOME (△Naval Academy dome, finial 1933)	38	58	1641.2	76	29	292.0	N.A. 1927	Triang.	566, 1225
N CUPOLA BANCROFT (△North Cupola Bancroft Hall 1910 r'32)	38	58	1701.2	76	28	1443.7	N.A. 1927	Triang.	566
SPIRE (△Annapolis St. Anne's Church Spire 1898 r'32)	38	58	1294.7	76	29	861.8	N.A. 1927	Triang.	566, 1225
CAPITOL DOME (△Annapolis Statehouse spire 1932r'33)	38	58	1329.9	76	29	682.3	N.A. 1927	Triang.	566, 1225
SPIRE (△Annapolis Catholic Church spire 1898 r'32)	38	58	924.9	76	29	415.1	N.A. 1927	Triang.	566, 1225
ANNAPOLIS ROADS CLUB HO. TOWER (△Tower, Annapolis Rds. Club 1932)	38	57	159.2	76	28	67.6	N.A. 1927	Triang.	77, 566, 1225
MAST (⊙Mast of the Maine)	38	58	1642	76	28	1075	N.A. 1927	Photo Plot	566

Charted Landmarks--The continuance of which is recommended.

A list of objects carefully selected because of their value as landmarks as determined from seaward, together with indi-

Form 567
Rev. Jan. 1933

DIVISION OF CHARTS, FILE NO._____

DEPARTMENT OF COMMERCE
U.S. COAST AND GEODETIC SURVEY

LANDMARKS FOR CHARTS

Baltimore, Md.

January 24, 1935

DIRECTOR, U.S. COAST AND GEODETIC SURVEY:

The following determined objects are prominent, can be readily distinguished from seaward from the description given below, and should be charted:

The prominence of these objects has been checked from the water.

J.C. Partington *Chief of Party.*

DESCRIPTION	POSITION						METHOD OF DETERMINATION	CHARTS AFFECTED
	LATITUDE			LONGITUDE		DATUM		
	° ′	D.M. METERS		° ′	D.P. METERS			
STANDPIPE (△High Black Standpipe, Annapolis 1932 F 23)	38 58	1324.2		76 30	273.1	N.A. 1927	Triang.	1225
W CUP BARN (△West cupola, large red-roofed barn 1932)	38 55	1580.5		76 29	1172.2	N.A. 1927	Triang.	✓ 566, 1225
N.B. W CUP BARN is called W CUP on No. 1225.								
Charted Landmarks--The continuance of which is recommended.								

A list of objects carefully selected because of their value as landmarks as determined from seaward, together with individual descriptions, must be furnished in a special report on this form, and a copy of such report must be attached by the Chief of Party to his descriptive report.

The selection, determination, and description of these points are an important factor in the value of the chart. Landmarks selected at appropriate intervals can be clearly charted. However, when none is outstanding, a group of two or three objects may by their interrelationship provide positive indentification. A group so selected should be indicated.

The description of each object should be short, but such as will clearly identify it; for example, a standpipe, elevated tank, gas tank, church spire, tall stack, red chimney, radio mast, etc. Assign numerals to landmarks to indicate: (1) Offshore, (2) inshore, (3) harbor, 1, 2, 3 would be a mark useful on all charts. Generally, flagstaffs and like objects are not sufficiently permanent to chart.

U.S. GOVERNMENT PRINTING OFFICE: 1934 25379

Survey No. T-5341

GEOGRAPHIC NAMES

Date. February 13, 1935.

Chart No. 1225. 566

Diagram No. 77

Approved by the Division of Geographic Names, Department of Interior. ✳

Referred to the Division of Geographic Names, Department of Interior. R

Under investigation. Q

Status	Name on Survey	Name on Chart	New Names in local use	Names assigned by Field	Location
●	Severn River	do 1225			
	Weems Creek	do 1225			
	West Annapolis	do			
	Annapolis	do			
	Naval Academy	do			
	Greenbury Pt. ✳	do			
	Carr Creek	do			
	Carr Point	do			
	[illegible]	do 566			

[redacted]

Survey No. T-5341

GEOGRAPHIC NAMES

Date. February 13, 1935

Chart No. 1225, 566

Diagram No. 77

Approved by the Division of Geographic Names, Department of Interior. ✳

Referred to the Division of Geographic Names, Department of Interior. R

Under investigation. Q

Status	Name on Survey	Name on Chart	New Names in local use	Names assigned by Field	Location
●	Blackwalnut Creek	do 566			
	Oyster Creek	do 566			
	Fishing Creek	do 566, 1225			
	Cherrytree Cove	do 566			
	Duvall Creek	do 566 1225.			
	Bay Ridge	do 566, 1225			
	Tolly Point ✳	do 566 1225.			
	Arundel on the Bay	do 566 1225.			
	Thomas Pt. ✳	do 566 1225.			
	Highland Beach	do 566			
	Marshy Point	do 566			
	South River	do 566, 1225			
●	Harness Creek	do 1225			
	Hill Pt.	do 1225			
	Horseshoe Pt.	do 566			Annapolis
	Bluff Pt.	do 566			Area.
		APPROVED NAMES UNDERLINED IN RED			
		H. D. Woods			

(M-136)

REVIEW OF AIR PHOTO COMPILATION NO. T-5341

Chief of Party: J.C. Partington Compiled by: A.F. Cerrito

Project: HT 175 Instructions dated: March 14, 1934

1. The charts of this area have been examined and topographic information necessary to bring the charts up to date is shown on this compilation. (Par. 16a, b,c,d,e,g and i; 26; and 64)

2. Change in position, or non-existence of wharfs, lights, and other topographic detail of particular importance to navigation which affect the chart, is discussed in the descriptive report. (Par. 26; and 66 g,n)

3. ~~Ground surveys by plane table, sextant, or theodolite have been used to supplement the photographic plot where necessary to obtain complete information, and all such surveys are discussed in the descriptive report. (Par. 65; and 66 d,e)~~
No ground surveys.

4. ~~Blue-prints and maps from other sources which were transmitted by the field party contain sufficient control for their application to the charts. (Par. 28)~~
No blue-prints or maps transmitted.

5. Differences between this compilation and contemporary plane table and hydrographic surveys have been examined and rectified in the field before forwarding the compilations to the office and are discussed in the descriptive report.
Discussed in Descriptive Report.

6. The control and adjustment of the photo plot are discussed in the descriptive report. Unusual or large adjustments are discussed in detail and limits of the area affected are stated. (Par. 12b; 44; and 66 c,h,i)

7. High water line on marshy ~~and mangrove~~ coast is clear and adequate for chart compilation. (Par. 16a, 43, and 44)
High water line on sand beaches obtained from field photographs.

NOTE: Strike out paragraphs, words or phrases not applicable and modify those requiring it. Paragraph numbers refer to those in the Topographic Manual. Refer also to the pamphlet "Notes on the Compilation of Planimetric Line Maps from Five Lens Air Photographs." M-87

8. The representation of low water lines, ~~reefs, coral reefs and rocks~~, and legends pertaining to ~~them~~ it is satisfactory. (Par. 36, ~~37~~, ~~38~~, 39, 40, ~~41~~)

9. Recoverable objects have been located and described on Form 524 in accordance with circular 30, 1933, circular letter of March 3, 1933, and circular 31, 1934. (Par. 29, 30, and 57)
Recoverable objects are listed in Descriptive Report ✓ see following pages at back of review.

10. A list of landmarks was furnished on Form 567 and instructions in the Director's letter of July 16, 1934, Landmarks for Charts, complied with. (Par. 16d, e; and 60) ✓

11. All bridges shown on the compilation are accompanied by a note stating whether fixed or draw, clearance, and width of draw if a draw bridge. Additional information of importance to navigation is given in the descriptive report. (Par. 16c)
Information obtained Jan. 26, 1935. All bridges corrected to this date from U.S. Engineers Dept, Baltimore, Md.

12. Geographic names are shown on the overlay tracing. The accepted local usage of new names has been determined and they are listed in the report, together with a general statement as to source of information and a specific statement when advisable. Complete discussion of place names differing from the charts and from the U. S. G. S. Quadrangles is given in the descriptive report, together with reasons for recommendations made. (Par. 64, and 66k) ✓

13. The geographic datum of the compilation is North American 1927 and the reference station is correctly noted.
Field Computations. ~~(reported position for triangulation)~~

14. Junctions with adjoining compilations have been examined and are in agreement. (Par. 66j) ✓

15. The drafting is satisfactory and particular attention has been given the following:

    1. Standard symbols authorized by the Board of Surveys and Maps have been used throughout except as noted in the report. ✓

    2. The degrees and minutes of Latitude and Longitude are correctly marked. ✓

3. All station points are not exactly marked by fine black dots. ✓

4. Closely spaced lines are drawn sharp and clear for printing. ✓

5. Topographic symbols for similar features are of uniform weight. ✓

6. All drawing has been retouched where partially rubbed off. ✓

7. Buildings are drawn with clear straight lines and square corners where such is the case on the ground. ✓no

(Par. 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 48)

16. No additional surveying is recommended at this time.

17. Remarks:

18. Examined and approved;

J. C. Partington
Chief of Party

19. Remarks after review in office:
See following pages.

Reviewed in office by: Leonard A. McGann,
✓ B.G. Jones

Examained and approved:

C. K. Green.
Chief, Section of Field Records

F. P. Borden
Chief, Section of Field Work

L. O. Colbert
Chief, Division of Charts

G. Rude
Chief, Division of Hydrography and Topography.

REVIEW OF AIR PHOTO COMPILATION NO. T-5341

Bluffs.

The heights of bluffs as given below were estimated by the field inspection party. These notes are not shown on the compilation for they do not apply to a specific location.

At Arundel on the Bay	18 feet
At Marshy Point	15 feet
At Bembe Beach	10 feet
At Horn Point	10 feet
At Terry Point	20 to 30 feet
At △ Cliff, 1932	50 feet
At Carr Point	10 feet
At △ Severn, 1932	80 feet

Comparison with Other Surveys.

1. The photo locations of recoverable plane table stations listed on pages 19 and 20 are accepted as correct after checking the photo plot of these positions in this office. The descriptions on Form 524 have been corrected and filed under this compilation number. All topographic detail shown on plane table surveys T-4677, T-4678, and T-4679 (1932) is shown on the compilation except temporary plane table positions and the following detail:

(a) Gable (d)
Cupola, P.G.School (d)
} Description marked void. Station "Cupola,P.G.School" is not shown on T-4677. A triangulation (intersection) station is on the same building and for these reasons this station will not be shown. Likewise at Station Gable there is a triangulation station on the same building and this station will not be shown on the compilation.

Lag (d)
Gold (d)
Pole (d)
} Descriptions have been made void. These stations are flag poles which could not be identified on the photographs. Since there are sufficient recoverable stations in the vicinity of these and since there are considerable differences in the other positions between the phot. plot and plane table, these stations will not be shown on the compilation.

(b) All buoys shown on T-4677 and T-4678.

T-4677 (1932). In addition to the comparison with T-4677 as made on the report on page 17, a further examination was made with the following results. The photographs were freely inspected to help clear any difficulty.

		Remarks
Pier	38° 58.5' 76° 28.8'	No longer exists.

The following piles, rows of piles, dolphins and wrecks were transferred to the compilation from this plane table survey. This detail has not been disproved and will be accepted pending a further field inspection.

(a) Piling paralleling the pier just south of Horseshoe Point.

(b) Dolphin 38° 59.55'
76° 29.65'

(c) Piles at the entrance to the boat basin east of Ferry Point.

(d) Piling
(1) 38° 59.05' 76° 28.3'
(2) 38° 59.1' 76° 29.2'
(3) 38° 58.45' 76° 29.5'
(4) 38° 59.1' 76° 29.4'
(Geographic position given for each group)

(e) Lone Pile
(1) 38° 59.6' 76° 28.9'
(2) 38° 59.55' 76° 28.85'

(f) Piling
(1) 38° 58.3' 76° 29.55'
(2) 38° 58.35' 76° 29.95'
(3) 38° 58.35' 76° 28.95'
(4) 38° 58.25' 76° 30.0'
(5) 38° 58.3' 76° 29.8'
(6) 38° 58.6' 76° 29.1'
(Geographic position given for each group)

(g) Wreck 38° 58.3' 76° 29.15'

(h) Platform 38° 58.45' 76° 28.5'

(i) All piles shown adjacent to the movable sections of the

bridges in Severn River, Dorseys Creek and Spa Creek.

(j) All dolphins in the vicinity of the Dewey and Santee Basins at Anapolis. The moorings inside Dewey Basin have not been transferred from T-5341. All other groups of piles and wrecks could be identified on the photographs for the area covered by plane table survey T-4677 with the following exception. Changes have been made in the waterfront at Eastport northwest of Horn Point, and at Horn Point proper; and for this reason no detail such as dolphins and piling was transferred here.

2. T-4678 (1932). The photographs have been examined and the following additions and deletions have been made.

		Remarks
Pier	38° 56.0' 76° 27.6	gone
Wreck	38° 57.95' 76° 28.7'	Unable to identify on photos. Not disproved. Transferred to compilation.
Wreck	38° 57.7' 76° 29.0	Unable to identify on photos. Not disproved. Transferred to compilation.

3. T-4679 (1932). There is good general agreement with the compilation, with the exception of the recoverable stations as discussed elsewhere in this review.

4. T-6032 (1933). There is good general agreement with the compilation. The pier in latitude 38° 55.75', longitude 76° 30.35' is gone as determined from examination of photos.

5. Previous Surveys. T-2394 (1899). This covers portions of coast south of Tolly Point east of Duvall Creek. There is considerable change in the topography here .

T-3084 (1911). This survey covers the mouth of the Severn River to Tolly Point. The compilation is sufficiently detailed in order that it may supersede T-2394 and T-3084 for the areas they have in common with the compilation.

Leonard A. Nelson

B.G. Jones

Descriptive Report
T 5341 Supplemental

The area indicated by blue water color on T 5341 Supplemental was corrected from the original photographs and from a large scale blueprint of the U.S. Naval Academy in 1937

These changes were applied to the special edition of Chart 385 printed in September 1937

B.G. Jones 12/19/38.

Examined for Cht 1225 (11 C.) P.B.C. 3/3/39.
" " " 550 (No Correction) JTW 3/17/39
Landmarks applied to reconstruction of Cht 566 H/Z Aug 1947

Partially applies to Ch. 566 - July 1939 - DHS