

5341

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

DESCRIPTIVE REPORT

Air Photo
Topographic
Hydrographic

Sheet No. 5341

State Maryland

LOCALITY

Chesapeake Bay

Annapolis

Project No. HT 175

1935

CHIEF OF PARTY

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

U. S. GOVERNMENT PRINTING OFFICE: 1934

5341

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
~~Greenbank Point to Thomas Point~~

Date of Photographs Nov. 28, 1933
Compilation April 28, 1934
Scale 1:10,000 Date of survey January 23, 1935

Vessel Photo Compilation Party # 25

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

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

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

Compilation of aerial photographs:
Remarks: 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	FROM	DATE	TO
ROUGH RADIAL PLOT	<i>E.C. Broadwell</i> <i>R.D. Cross</i>	E.C. Broadwell & R.D. Cross	6-11-34	6-20-34
SCALE FACTOR (.956)	<i>E.C. Broadwell</i> <i>R.D. Cross</i>	E.C. Broadwell & R.D. Cross	6-11-34	6-20-34
SCALE FACTOR CHECKED	<i>J.C. Partington</i>	J.C. Partington	6-21-34	6-21-34
PROJECTION	<i>R.D. Cross</i>	R.D. Cross	7- 2-34	7- 3-34
PROJECTION CHECKED	<i>J.C. Partington</i>	J.C. Partington	7- 3-34	7- 3-34
CONTROL PLOTTED	<i>D.J. Batte</i>	D.J. Batte	7- 3-34	7- 7-34
CONTROL CHECKED	<i>E.C. Broadwell</i>	E.C. Broadwell	7- 9-34	7-10-34
TOPOGRAPHY TRANSFERRED	<i>A.F. Cerrito</i>	A.F. Cerrito	9-19-34	9-19-34
TOPOGRAPHY CHECKED	<i>R.D. Cross</i>	R.D. Cross	9-20-34	9-20-34
SMOOTH RADIAL LINE PLOT	<i>R.D. Cross</i>	R.D. Cross	9- 5-34	9-15-34
RADIAL LINE PLOT CHECKED	<i>J.C. Partington</i>	J.C. Partington	9-17-34	9-18-34
DETAIL INKED	<i>A.F. Cerrito</i>	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. <i>Annapolis.</i>				
DATUM North American 1927				
STATION Naval Academy, dome, final 1933				
<i>Field Computations</i> 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.

- - - -

	32'	31' 76°	30'	29'	28'	27'	26'
39° 00'	4140.8	2760.5	1380.3	1380.3	2760.5	4140.8	39° 00'
	4331.4	2887.6	1443.8	1443.8	2887.6	4331.4	
				5306.4 5550.6			
59'							59'
				3537.6 3700.4			
58'							58'
				1768.8 1850.2			
57'	4143.7	2762.5	1381.2	1381.2	2762.5	4143.7	57'
	4334.5	2889.6	1444.8	1444.8	2889.6	4334.5	
				1768.8 1850.2			
56'							56'
				3537.6 3700.4			
38° 55'							38° 55'
				5306.4 5550.6			
54'	4146.6	2764.4	1382.2	1382.2	2764.4	4146.6	54'
	4337.5	2891.7	1445.8	1445.8	2891.7	4337.5	
	32'	31' 76°	30'	29'	28'	27'	26'

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

SHEET NO. 5341

SCALE FACTOR COMPUTATIONS

<u>Flight</u>	<u>Average Scale Factor</u>
Photos 319-361	.955
Photos 362-403	<u>.957</u>

Average Scale Factor for
Sheet = .956

SHEET NO. 5341

SCALE FACTOR COMPUTATIONS

Photos 419-424

- - -

<u>Station</u>	<u>to</u>	<u>Station</u>	<u>Measured Distance</u>	<u>Computed Distance</u>	<u>Scale Factor Meas./Comp.</u>
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	<u>1.072</u>

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

<u>Station</u>	<u>to</u>	<u>Station</u>	<u>Measured Distance</u>	<u>Computed Distance</u>	<u>Scale Factor Meas./Comp.</u>
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, La- brot house, red brick, Crabbing Cr. 1932	5345	5521	.968
Center Chimney, Labrot house, red brick, Crab- bing Cr. 1932		South Chimney Red- roofed house 1932*	4858	5039	.964
Center Chimney, Labrot house, red brick, Crab- bing 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

- - -

<u>Station</u>	<u>to</u>	<u>Station</u>	<u>Measured Distance</u>	<u>Computed Distance</u>	<u>Scale Factor Meas./Comp.</u>
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)

<u>Station</u>	<u>to</u>	<u>Station</u>	<u>Measured Distance</u>	<u>Computed Distance</u>	<u>Scale Factor Meas./Comp.</u>
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 Field 1903 r'32* Tank 1932			2374	2489	.954
High Black Water Weems 1903 r'32* Tank 1932			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-Severn 1932* pipe, Annapolis 1932 r'33*			2530	2659	.951
High Black Stand-Cliff 1932* pipe, Annapolis 1932 r'33*			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)

- - -

<u>Station</u>	<u>to</u>	<u>Station</u>	<u>Measured Distance</u>	<u>Computed Distance</u>	<u>Scale Factor Meas./ Comp.</u>
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 tracing 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

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

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

(cont'd)

SHEET NO. 5341

CONTROL DATA

(cont'd)

	North American Datum				1927 Datum	x Scale Factor
	<u>°</u>	<u>'</u>	<u>"</u>	<u>m.</u>	<u>m.</u>	<u>m.</u>
Black Water Tank, Annapolis Naval Radio Station 1932	38	59	17.40	536.6	(1324.6) 525.6	(1266.3) 502.5
	76	27	07.52	181.0	(1259.1) 185.0	(1203.7) 176.9
Brew 1933	38	55	32.074	989.1	(872.2) 978.1	(833.8) 935.1
	76	31	10.607	255.5	(1186.0) 259.5	(1133.8) 248.1
Central Peak of Roof Post Graduate School, U.S. Naval Academy 1932	38	59	17.71	546.1	(1315.1) 535.1	(1257.2) 511.6
	76	29	48.86	1175.9	(264.1) 1179.9	(252.5) 1128.0
Chimney, large grey house, Turkey Point 1932	38	54	30.01	925.4	(935.8) 914.4	(894.6) 874.2
	76	29	29.45	1032.0	(409.7) 1036.0	(391.7) 990.4
Chink 1932	38	57	51.129	1576.7	(284.5) 1565.7	(272.0) 1496.8
	76	28	25.135	605.1	(835.7) 609.1	(798.9) 582.3
Cliff 1932	38	59	11.632	358.7	(1502.5) 347.7	(1436.4) 332.4
	76	28	26.733	643.4	(797.1) 647.4	(762.0) 618.9
Clock Tower 1910 r'32	38	59	02.016	62.2	(1799.0) 51.2	(1719.8) 49.0
	76	29	13.359	321.5	(1119.0) 325.5	(1069.8) 311.2
Cross on Catholic Retreat, Manresa 1932	39	00	20.11	620.1	(1241.1) 609.1	(1186.5) 582.3
	76	29	29.49	709.5	(730.3) 713.5	(698.2) 682.1
Ferry 1933	38	56	45.254	1395.5	(465.8) 1384.5	(445.3) 1323.6
	76	31	57.148	1376.2	(65.0) 1380.2	(62.1) 1319.5

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SHEET NO. 5341

CONTROL DATA

(cont'd)

	North American Datum				1927	x Scale
	°	'	"	m.	Datum m.	Factor m.
Field 1903 r'32	38	59	45.861	1414.2	(1447.0) 1403.2	(427.3) 1341.5
	76	29	38.191	919.0	(521.1) 923.1	(498.2) 882.5
Fire Lookout Tower (Finial) 1932	38	56	05.96	183.8	(1677.4) 172.8	(1603.6) 165.2
	76	30	04.97	119.7	(1321.5) 123.7	(1263.4) 118.3
Flag Pole, Ferry Point 1933	38	56	44.17	1362.0	(499.2) 1351.0	(477.2) 1291.6
	76	31	56.54	1361.6	(79.4) 1365.6	(75.9) 1305.5
Fort 1903 r'32	38	58	57.648	1777.7	(83.5) 1766.7	(79.8) 1689.0
	76	27	48.223	1160.7	(279.8) 1164.7	(267.5) 1113.5
Green 1932 r'34	38	58	31.475	970.6	(890.6) 959.6	(851.4) 917.4
	76	27	16.352	393.6	(1046.9) 397.6	(1000.8) 380.1
Greenbury Pt. shoal Lighthouse 1898 r'32	38	58	05.147	158.7	(1702.5) 147.7	(1627.6) 141.2
	76	27	16.210	390.2	(1050.3) 394.2	(1004.1) 376.9
Harness 1933	38	55	55.600	1714.4	(146.7) 1703.4	(140.2) 1628.5
	76	30	57.792	1392.0	(49.2) 1396.0	(47.0) 1334.6
High Black Standpipe, Annapolis 1932 r'33	38	58	43.30	1335.2	(526.0) 1324.2	(502.9) 1266.0
	76	30	11.18	269.1	(1171.4) 273.1	(1119.9) 261.1
Hipt 1932 r'33	38	55	26.395	813.9	(1047.3) 802.9	(1001.2) 767.6
	76	30	02.414	58.2	(1383.4) 62.2	(1322.5) 59.5

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SHEET NO. 5341

CONTROL DATA

(cont'd)

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

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

(cont'd)

SHEET NO. 5341

CONTROL DATA

(cont'd)

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

(*) Computed directly on N.A. 1927 Datum.
(cont'd)

SHEET NO. 5341

CONTROL DATA

(cont'd)

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

+ Does not fall within limits of this compilation ~~at station~~

Lam

DESCRIPTIVE REPORT

To Accompany

PHOTO COMPILATION SHEET NO. 5341

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

- - - -

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 this area 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:

<u>Photo Numbers</u>	<u>Flight Strip Location</u>	<u>Date</u>	<u>Time</u>	<u>Stage of Tide</u>
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~~ *work.* sketches of the following Chiefs of Parties:

Lieut. John A. Bond	South, West & Rhode Rivers 1933
Lieut. Roland D. Horne	Project No. G-113 1933
Comdr. L.O. Colbert	South & Severn River, Entrance 1932
Lieut. John Bowie Jr.	Project No. G-189 1934
Station "Lighthouse Depot, east chimney 1910" obtained from the publication "Triangulation in Maryland."	

DESCRIPTIVE REPORT

SHEET NO. 5341

- - -

The triangulation stations obtained from the ~~progress~~ ^{work} sketches 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 picked 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.

DESCRIPTIVE REPORT

SHEET NO. 5341

- - -

<u>Station Name</u>	<u>Remarks</u>
Chink 1932	Was incorrectly tied in by the field party.
Tall Smokestack Isherwood Hall	Was not tied in by field party. Picked under stereoscope.

(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.

No difficulty was encountered in plotting the remainder of the sheet.

(c) Interpretation:

Some difficulty was encountered in the area covered by pictures 419 to 424. Since these pictures differ seven per cent in scale from the other pictures on the sheet it was impossible to trace detail directly from the photographs. These photographs were sent to Washington where photostats were made to the correct scale. The detail in this area was traced from these photostats and we believe the work to be very accurate. No difficulty was encountered with any of the other pictures.

(d) Information from other sources:

In the vicinity of Duvall Creek, which is covered by pictures 419 to 424, the shore line from topographic sheet, Reg. No. T 4679 was carefully followed as a guide. In using it as a guide it was assumed that it was correct as far as position was concerned but, where small variations in the shore occurred as evidenced by a study of the photographs, the changes were made to correspond with the pictures.

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

Location		Owner	Kind	Channel Spans			Completion reported	Purpose for which bridge is used	
Mi. above mouth	Nearest town street etc.			Clear width normal to channel		Clear height L. W.			
				Left	Center				Right
	College Creek Id.								
0.3	Annapolis	U.S. Naval Academy	Swing	44	---	44	7.2 5.2	1914	High-way
0.4	Annapolis	State Rds. Comm.	Bascule	---	45	---	8.4 6.4	Oct. 15, 1915	High-way
0.5	Annapolis	W.B. & A. E.R.R.	Bascule	---	40	---	13.2 11.2	---	Electric R.R.
0.4	Annapolis	W.B. & A. E.R.R.	Bascule	---	40	---	8.0 6.0	1933	Electric R.R.
	Spa Creek Md.								
0.3	Annapolis	Anne Arundel County	Swing	40	---	40	6.2 4.2	May 1907	High-way
	Severn River Id.								
3	Annapolis	State Rds. Comm.	Bascule	---	71	---	17.5 15.5	Aug. 11, 1926	High-way
3.62	Annapolis	J.B. & A. E.R.R.	Swing	62	---	62	7.2 5.2	Aug. 11, 1926	Electric R.R.

DESCRIPTIVE REPORT

SHEET NO. 5341

(e) Conflicting Names:

Imperial is apparently the name made back at home 11/24/41
at new creek station on 11/24/41
 College Creek--This creek is locally known as College Creek and is shown as such on topographic sheet, Register No. 4677. It is called 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 2/1/55.**

4. COMPARISON WITH OTHER SURVEYS:

(a) This compilation was compared with photostats of topographic Sheets of the U.S. Coast & Geodetic Survey, 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 Duvall Creek, Harness Creek, Fishing Creek, Blackwalnut Creek, Lake Ogletton, 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 unbrequent
to T 4677 and the dock shown on
T 4677 was evidently down when the
photos were taken. No provision 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 creek. A better estimate is
an accuracy of location of 3 to 5 meters
for intersected points and 3 to 10 meters
for other detail.
B.G. Jones

DESCRIPTIVE REPORT

SHEET NO. 5341

- - -

The dock at Ferry Point, Latitude $38^{\circ} 59.4'$, Longitude $76^{\circ} 28.7'$ is shown on topographic sheet, Register No. 4677. This dock does not show on the photographs. A visual field inspection in January 1935 verifies the existence of a dock at Ferry Point but since its location is not known this dock is not shown on the compilation. *See opposite page.*

The moorings and dolphins shown on topographic sheet, Register No. 4677, in Santee Basin and Dewey Basin are not shown on the photo compilation because they could not be accurately located on the photographs. *See review of lock*

The small pond shown on topographic sheet, Register No. 4677, at the head of ~~Parsons~~ *Parsons* Creek, Latitude $38^{\circ} 58.8'$, Longitude $76^{\circ} 30.2'$ does not show on the photographs and this area is shown as a marsh on the photo compilation.

5. LANDMARKS:

- (a) On account of the recent topographic surveys in this vicinity no additional landmarks or recoverable objects were recommended by the field party. Copy of Form No. 567, Landmarks for Charts, is enclosed.

Attention is called to landmark "MAST" (Maine) shown on topographic sheet, Register No. 4677. It is believed that an error was made in scaling the position of this landmark. The positions compare as shown below:

Position given on Form No. 524	Lat.---	$38^{\circ} 58'$	1677 m. ^x
adjusted to N.A. 1927 Datum	Long.---	$76^{\circ} 28'$	1075 m.

Position scaled from Photo	Lat.---	$38^{\circ} 58'$	1642 m. <i>1641 m</i>
Compilation No. 5341	Long.---	$76^{\circ} 28'$	1075 m. <i>1076 m</i>

This shows a variation of ³⁶~~36~~ meters in latitude between the two positions listed above. The detail as shown on photo compilation 5341 checks the detail shown on topographic sheet, Register No. 4677, very accurately and for this reason, it is believed that an error was made in scaling the position from the topographic sheet. It is recommended that the position as given as scaled from this photo compilation be used as correct and that present Form No. 524 (Mast of the Maine) be discarded.

- (b) No additional objects show with sufficient prominence under the stereoscope to be recommended for landmarks.

6. RECOMMENDATIONS FOR FURTHER SURVEYS:

- (a) The compilation is believed to have a probable error of 3 meters in position of well defined detail of importance for charting and of 5 meters for other data. *(See opposite page)*

^x The position given on Form 524 has been corrected.
Bgg.

DESCRIPTIVE REPORT

SHEET NO. 5341

- - - -

- (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 [*]
		76	27	933	937	76	27	940 [✓]
Elk Monument	4677	38	58	1577	1566	38	58	1566 [✓]
		76	29	1366	1370	76	29	1369 [✓]
Gable	4677	38	59	23	12	Triangulation station "Light House Depot, East Chy. 1910" is on the same bldg. with the recover- able station Gable.		
		76	27	1359	1363			
© Gable (1) was not transferred for the reason given.								
Green	4677	38	59	1308	1297	38	59	1404 [✓]
		76	28	1433	1437	76	28	1440 [✓]
East of the Maine	4677	38	58	1688	1677	38	58	1642 [✓]
		76	28	1071	1075	76	28	1075 [✓]
Nat	4677	38	59	1242	1231	38	59	1235 [✓]
		76	29	216	220	76	29	220 [✓]
Brick	4678	28	56	1702.5	1691.5	38	56	1692 [✓]
		76	27	1405.7	1409.7	76	27	1397 [✓]
Dance	4678	38	55	1634.9	1623.9	38	55	1625 [✓]
		76	27	1137.3	1141.3	76	27	1145 [✓]

* See following page.

DESCRIPTIVE REPORT

SHEET NO. 5341

- - -

Station Name	Appears on Topo Sheet	Position N.A. Datum			NA 1927 Datum	Position on Sheet No. 5341		
		From 524				m.		
				m.				m.
Cud	4679	38 55	617	613	606	38 55	611	611
		76 29	470	467	474	76 29	470	470
Dill	4679	38 55	456	445	445	38 55	448	448
		76 29	342	341	346	76 29	345	345
Gold	4679	38 54	1709		1698	Not located		
		76 27	783		787	by field party.		
Leg	4679	38 55	1779.6		1768.6	Not located		
		76 27	1032.6		1036.6	by field party.		
Pier	4679	38 54	1652	1648	1641	38 54	1646	1646
		76 27	1062	1066	1066	76 27	1066	1066
Pit	4679	38 55	1275	1258	1264	38 55	1258	1258
		76 28	1251	1253	1255	76 28	1253	1253
Nes	4678	38 56	1595.8	1581	1584.8	Not located		
		76 27	987.0	979	991.0	by field party.		
Rice	4678	38 56	1562.7	1535	1551.7	38 56	1554	1554
		76 27	1417.7	1415	1421.7	76 27	1417	1417
<u>Roof</u>	4678	38 56	568.9	557	557.9	Not located		
		76 27	432.1	441	436.1	by field party.		
White	4678	38 56	365.6	351	354.6	Not located		
		76 27	650.9	658	654.9	by field party.		
Tow	4677	38 59	1841	920	1830	38 59	919	919
		76 29	676	686	680	76 29	687	687

It is evident that the positions of the following stations were erroneously scaled from topographic sheet Register No. 4677 and it is recommended that the cards (Form 524) for these stations be revised to show their correct positions.

Last of the Maine
Green
Tow

DMs and DP's of

* The values shown in red are the intersected points on the N.A. 1927 datum as scaled from the compilation. Stations Pole, Gold, and Lay are flagpoles and could not be identified on the photographs for intersection. These intersections were made in the Washington office by the reviewer, after the compilation had been prepared in the field office.

LAM
4/15/55.

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
Jr. H. & G. L.
Chief of Party

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 1900r'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	255.4	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	144.2	N.A. 1927	Triang.	✓ 77, 566, 1225
DOVE (△ Naval Academy dome, Final 1933)	38	58	1641.2	76	29	292.0	N.A. 1927	Triang.	✓ 566, 1225
N CUP BANCROFT (△ North Cupola Bancroft Hall 1910 r'32)	38	58	1701.2	76	28	243.7	N.A. 1927	Triang.	✓ 566
SPIRE (△ Annapolis St. James'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 Pict	✓ 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 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 identification. 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

N.B. ANNAPOLIS ROADS CLUB HO. TOWER is TOWER on 77 and 1225.

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.

[illegible]

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 identification. 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.

GEOGRAPHIC NAMES

Date. February 13, 1935.

Survey No. T-5341

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
	<u>Severn River</u>	do 1225			
	<u>Weems Creek</u>	do 1225			
	<u>West Annapolis</u>	do			
	<u>Annapolis</u>	do			
	<u>Naval Academy</u>	do			
	<u>Greenbury Pt.</u> *	do			
	<u>Carr Creek</u>	do			
	<u>Carr Point</u>	do			
	<u>Ferry Point</u>	do do 566			
	<u>Spa Creek</u> *	do			
	<u>Horn Point</u>	do			
	<u>Eastport</u>	do			
	<u>Back Creek</u>	do			
	<u>Dorseys Creek</u> *	do 566			
	<u>Chinks Point</u> *	do 566, 1225.			
	<u>Shady Lake</u>	do 566			
	<u>Wardour</u>	do 566			
	<u>Little Carr Creek</u>	do 566			
	<u>Ferry Farms</u>	do 566			
	<u>Fort Severn Beach</u>	do 566			
	<u>Bembe Beach</u>	do 566			
	<u>Lake Ogleton</u> *	do			

APPROVED NAMES
UNDERLINED IN RED

J. H. H. H.

Date. February 13, 1935

Chart No. 1225, 566

Under investigation. Q

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."

8. The representation of low water lines, ~~reefs, coral reefs and rocks,~~ and legends pertaining to them 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. (must get into position for datum etc.)
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 ✓ ^{not}
and square corners where such is the case on
the ground.

(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: Lionard A. McKean,
✓ B. G. Jones

Examained and approved:

C. K. Green.
Chief, Section of Field Records
L. O. Lobbut
Chief, Division of Charts

T. J. Borden
Chief, Section of Field Work
G. H. Hude
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 Δ Cliff, 1932	50 feet
At Carr Point	10 feet
At Δ Severn, 1932	80 feet

Comparison with Other Survey S.

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) | } | 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. |
| Cupola, P.G. School (d) | | |
| Lag (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, these stations will not be shown on the compilation. |
| Gold (d) | | |
| Pole (d) | | |

(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.

	<u>Remarks</u>
Pier 38° 58.5'	No longer exists.
76° 28.8'	

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 Kerry Point.

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

(2) 38° 59.1' (4) 38° 59.1'
76° 29.2' 76° 29.4'

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

(f) Piling (1) 38° 58.3' (4) 38° 58.25' (Geographic
76° 29.55' 76° 30.0' position given
for each group)

(2) 38° 58.35' (5) 38° 58.3'
76° 29.95' 76° 29.8'

(3) 38° 58.35' (6) 38° 58.6'
76° 28.95' 76° 29.1'

(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.

		<u>Remarks</u>
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. McSauer
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 Ch't 1225 (71 C.) P.B.C. 3/3/37.
" " " 550 (No Correction) JFW 3/17/39

Remarks applied to reconstruction of Ch't 566 N/7A Aug 1947

Partially applied to Ch. 566 - July 1939 - 2422