

5340

U. S. COAST & GEODETIC SURVEY
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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. 5340
State Maryland	
LOCALITY	
Chesapeake Bay	
Broad Neck	
West Shore, Severn River to	
Marathon River	
Project No. HT 175	
1934	
CHIEF OF PARTY	
J.C. Partington Jr. H.&G. Engr.	

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

AIR PHOTO
TOPOGRAPHIC TITLE SHEET

REG. NO.

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. 5340

REGISTER NO. T-5340

State Maryland

General locality Chesapeake Bay

Locality Broad Neck

West Shore, Severn River to Magothy River

Date of Photographs November 28, 1934

Scale 1:10,000 Date of Survey September 27, 1934

Vessel Photo Compilation Party # 25

Reviewed and recommended for approval

Chief of party Lieut. (j.g.) J.C. Partington, December 20, 1934

Photographs plotted by

Surveyed by R.D. Cross July 24, 1934

Inked by A.V. Merkel September 27, 1934

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. 283-289, 304-318, 331-349, and 380-393.

-STATISTICS-

on

SHEET, FIELD NO. 5340, REG. NO. T-5340.

	<u>283</u>		<u>289</u>
	<u>304</u>		<u>318</u>
PHOTOS, NO.	<u>331</u>	TO NO.	<u>349</u>
	<u>380</u>		<u>393</u>

DATE OF PHOTOGRAPHS Nov. 28, 1933
10:35 A.M.-1:00 P.M.

	BY	DATE FROM	TO
ROUGH RADIAL PLOT	<i>R.D. Cross</i>	6/14/34	6/19/34
SCALE FACTOR (.956)	<i>R.D. Cross</i>	6/19/34	6/20/34
SCALE FACTOR CHECKED	<i>J.C. Partington</i>	6/22/34	6/23/34
PROJECTION	<i>R.D. Cross</i>	7/ 2/34	7/ 2/34
PROJECTION CHECKED	<i>J.C. Partington</i>	7/ 2/34	7/ 2/34
CONTROL PLOTTED	<i>E.C. Broadwell</i>	7/ 3/34	7/ 6/34
CONTROL CHECKED	<i>R.D. Cross</i>	7/ 6/34	7/ 6/34
TOPOGRAPHY TRANSFERRED	<i>A.V. Merkel</i>	7/ 7/34	7/ 9/34
TOPOGRAPHY CHECKED	<i>R.D. Cross</i>	7/10/34	7/10/34
SMOOTH RADIAL LINE PLOT	<i>R.D. Cross</i>	7/10/34	7/24/34
RADIAL LINE PLOT CHECKED	<i>J.C. Partington</i>	7/26/34	7/28/34
DETAIL INKED	<i>A.V. Merkel</i>	8/ 6/34	9/27/34
PRELIMINARY REVIEW SHEET	<i>J.C. Partington</i>	9/28/34	9/29/34
AREA OF DETAIL INKED	18.8 sq. Statute Miles (Land Area)		
AREA OF DETAIL INKED	0 sq. Statute Miles (Shoals in Water Area)		
LENGTH OF SHORELINE (more than 200 m. from nearest opposite shore)	23.5 Statute Miles		
LENGTH OF SHORELINE (rivers and sloughs less than 200 m. wide)	17.9 Statute Miles		
LENGTH OF STREETS, ROADS, TRAILS, R.R., etc.	94.3 Statute Miles		
GENERAL LOCATION	Maryland, Chesapeake Bay.		
LOCATION	<u>Broad Neck.</u> West Shore, Severn River to Magothy River.		
DATUM	North American 1927		
STATION	Purse 1906 r'34	Latitude 39° 02' 58.633" = 1808.1 m	
		Longitude 76° 26' 15.938" = 383.3 m	

PROJECTION DIAGRAM

SHEET 5340

Scale = 1:10,000

Scale Factor = .956

Distances multiplied by scale factor are given in red

	76° 30'	29'	28'	27'	26'	76° 25'	24'	23' 39° 05'	22'
			5306.5 5550.7	1379.0 1442.5	2758.0 2884.9	4137.0 4327.4	5515.9 5769.8		04'
			3537.7 3700.4						03'
			1768.8 1850.2	1379.6 1443.1	2759.2 2886.2	4138.9 4329.4	5518.5 5772.5		02'
			1768.8 1850.2						01'
			3537.7 3700.4					39° 00'	
			5306.5 5550.7	1380.6 1444.1	2761.2 2888.3	4141.8 4332.4	5522.4 5776.6		59'

Layout by R.D.C.
 ✓ " J.C.P.

SHEET NO. 5340

SCALE FACTOR COMPUTATIONS

Photos 283-289
- - -

<u>Station</u>	<u>to</u>	<u>Station</u>	<u>Measured Distance</u>	<u>Computed Distance</u>	<u>Scale Factor Meas./Comp.</u>
Tyding, 1932*		Sandy Point L.H., 1898	2902	3031	.957
Sandy Point L.H., 1898		Sand, 1932*	1526	1589	.960
Sand, 1932*		Gate, 1932*	1367	1420	.963
Windmill-Bayside Farm, Sandy Pt. 1932*		Sandy Point L.H., 1898	1202	1250	.962
Gate, 1932*		Sandy Point L.H., 1898	2264	2355	.961
Center Chimney, Labrot house, red brick, Crab- bing Cr., 1932*		Tyding, 1932*	3830	3997	.958
Sand, 1932*		Tyding, 1932 *	2857	2985	.957
Center Chimney, Labrot house, red brick, Crab- bing Cr., 1932*		Sand, 1932*	2027	2111	.960
Gate, 1932*		Tyding, 1932*	1747	1829	<u>.955</u>

Average Scale Factor - .959

This average scale factor is computed for the entire flight but only part of this flight (283-289) falls on the sheet.

Triangulation stations marked (*) fall on this sheet.

Computed by R.D.C. 5/29/34
Checked by J.C.P.

4.

SHEET NO. 5340

SCALE FACTOR COMPUTATIONS

Photos 290-318

- - -

<u>Station</u>	<u>to</u>	<u>Station</u>	<u>Measured Distance</u>	<u>Computed Distance</u>	<u>Scale Factor Meas./Comp.</u>
Symington, 1933		Purse, 1906 r'33*	1960	2052	.955
Sand, 1932*		Gate, 1932*	1363	1420	.960
Front Gable Whitehall House, Whitehall Cr., 1932*		Hack, 1932*	1915	2010	.953
Center Chimney, Labrot house, red brick, Crab- bing Cr., 1932*		Hack, 1932*	1515	1590	.953
Windmill-Bayside Farm, Sandy Pt. 1932*		Sand, 1932*	560	587	.954
Gib, 1933		Purse, 1906 r'33*	2800	2929	.956
Tar, 1933		Gib, 1933	2195	2312	.949
Baltimore L.H., 1918		Purse, 1906 r'33*	3318	3490	.951
Skid, 1933*		Purse, 1906 r'33*	1715	1813	.946
Skid, 1933*		Baltimore L.H., 1918	2489	2611	.953
Son, 1933		Baltimore L.H., 1918	2446	2584	.947
Son, 1933		Purse, 1906 r'33*	2447	2565	.954
Rude, 1933		Baltimore L.H., 1918	5495	5777	.951
Hic, 1933		Gib, 1933	1838	1927	.954
Field, 1903, r'33*		Hic, 1933	1449	1526	.950
Field, 1903, r'33*		Tar, 1933	865	906	.955
Acre, 1933*		Tar, 1933	3857	4064	.949
Pavilion, 1933*		Skid, 1933*	2230	2357	.946

(cont'd)

SHEET NO. 5340

SCALE FACTOR COMPUTATIONS

Photos 290-318 (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>
Pavilion, 1933*		Purse, 1906 r'33*	1190	1253	.950
White Br. Chy. Gibson Island, 1933		Purse, 1906 r'33*	1950	2048	.952
Pink Terra Cotta Chy., 1933		Purse, 1906 r'33*	2037	2136	<u>.954</u>

Average Scale Factor = .952

This average scale factor is computed for the entire flight but only part of this flight (304-318) falls on the tracing area of the sheet.

Triangulation stations marked (*) fall on this sheet.

Computed by R.D.C. 6/5/34
Checked by J.C.P.

SHEET NO. 5340

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, Labrot 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* r'33	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 (331-349) falls on the tracing
area of this sheet.

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

SHEET NO. 5340

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, 1932r'34		Fort, 1903, r'32	1066	1114	.957
Chink, 1932		Green, 1932 r'34	1983	2071	.958
Greenbury Point Shoal L.H., 1898		Chink, 1932	1645	1715	.959
Greenbury Point Shoal L.H., 1898		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. 5340

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 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 Standpipe, An- napolis, 1932 r'33		Severn, 1932*	2530	2659	.951
High Black Standpipe, An- napolis, 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

(cont'd)

SHEET NO. 5340

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>
Jacqueline, 1932*	Weems, 1903, r'32*		490	516	.950
Mago, 1933*	Ulm, 1933*		1980	2063	.960
Pagoda 2 Story 1933*	Mago, 1933*		355	374	<u>.949</u>

Average Scale Factor = .957

This average scale factor is computed for the entire flight but only part of the flight (380-393) 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. 5340
SCALE FACTOR COMPUTATIONS

<u>Flight</u>	<u>Average Scale Factor</u>
Photos 283-289	.959
Photos 290-318	.952
Photos 319-361	.955
Photos 362-403	<u>.957</u>

Average Scale Factor for Sheet = .956

SHEET NO. 5340

CONTROL DATA

Station	North American Datum				1927 Datum	x Scale Factor
	°	'	"	m.	m.	m.
Acres, 1933	39	03	37.516	1156.9	(704.3) 1145.9	(673.3) 1095.5
	76	27	42.104	1012.4	(426.4) 1016.4	(407.6) 971.7
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) 279.9
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. 5, 1932 r'33	38	59	08.576	264.4	(1596.8) 233.4	(1526.5) 242.3
	76	27	01.238	29.8	(1410.3) 33.8	(1348.2) 32.3
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
Big, 1933	39	04	10.340	318.8	(1542.4) 307.8	(1474.5) 294.3
	76	30	56.126	1349.3	(89.2) 1353.3	(85.3) 1293.8
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
Center Chimney Labrot house, red brick, Crabbing Creek, 1932	39	00	04.63	142.8	(1718.3) 131.8	(1642.7) 126.0
	76	25	23.65	569.1	(870.7) 573.1	(832.4) 547.9

(cont'd)

SHEET NO. 5340

CONTROL DATA
(cont'd)

Station	North American Datum				1927 Datum	x Scale Factor
	°	'	"	m.	m.	m.
Chest, 1933	39	04	44.272	1365.2	(496.0) 1354.2	(474.2) 1294.6
	76	29	35.040	842.2	(596.3) 846.2	(570.1) 809.0
Chimney (North) Large Stucco house-- Hackett Pt., 1932	38	59	23.48	724.1	(1137.2) 713.1	(1087.2) 681.7
	76	25	29.00	697.9	(742.1) 701.9	(709.4) 671.0
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
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
Field, 1903 r'32	38	59	45.861	1414.2	(447.0) 1403.2	(427.3) 1341.5
	76	29	38.191	919.0	(521.1) 923.1	(498.2) 882.5
Flag Pole Shore Acres, 1933	39	03	37.46	1155.2	(706.1) 1144.2	(675.0) 1093.9
	76	27	39.56	951.1	(487.5) 955.1	(466.1) 913.1
Front Chimney Yellow House, 1933	39	03	52.20	1609.6	(251.6) 1598.6	(240.5) 1528.3
	76	29	33.20	798.3	(640.5) 802.3	(612.3) 767.0
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
Gate, 1932	39	01	09.156	282.3	(1578.9) 271.3	(1509.4) 259.4
	76	24	42.175	1014.6	(424.9) 1018.6	(406.2) 973.8
Hack, 1932	38	59	13.073	403.1	(1458.0) 392.1	(1393.8) 374.8
	76	25	24.018	578.1	(862.0) 582.1	(824.1) 556.5

(cont'd)

SHEET NO. 5340

CONTROL DATA
(cont'd)

Station	North American Datum				1927 Datum	x Scale Factor
	°	'	"	m.	m.	m.
High Black Water Tank, 1932	39	00	58.633	1808.1	(55.1) 1797.1 (887.5)	(50.8) 1718.0 (848.4)
	76	30	22.947	552.1	556.1	531.6
Hun, 1933	39	05	02.066	63.7	(1797.6) 52.7 (502.1)	(1718.5) 50.4 (480.0)
	76	30	38.945	936.0	940.0	898.6
Jacqueline, 1932	39	00	32.403	999.2	(862.0) 988.2 (1156.4)	(824.1) 944.7 (1105.5)
	76	30	11.780	283.4	287.4	274.8
Labrot, 1933* (N.A. 1927 Datum)	39	00	46.240		(424.3) 1425.9 (146.0)	(405.6) 1363.2 (139.6)
	76	23	53.932		1297.8	1240.7
Mago, 1933	39	04	18.564	572.5	(1288.7) 561.5 (1155.1)	(1232.0) 536.8 (1104.3)
	76	30	11.776	283.1	287.1	274.5
Manresa, 1932	39	00	16.148	498.0	(1363.2) 487.0 (616.9)	(1303.2) 465.6 (589.8)
	76	29	34.200	822.9	826.9	790.5
Pagoda, 2 Story, 1933	39	04	18.33	565.2	(1296.1) 554.2 (781.6)	(1239.1) 529.9 (747.2)
	76	30	27.32	656.9	660.9	631.8
Pavilion, 1933	39	03	37.047	1142.4	(718.8) 1131.4 (56.1)	(687.2) 1081.6 (53.6)
	76	25	57.508	1382.7	1386.7	1325.7
Purse, 1906 r'33	39	02	58.988	1819.0	(42.2) 1808.1 (1059.8)	(40.3) 1728.5 (1013.2)
	76	26	15.789	379.7	383.7	366.4
Ridgeway, Standpipe, 1933* (N.A. 1927 Datum)	39	01	25.66		(1058.9) 791.3 (661.8)	(1012.3) 756.5 (632.7)
	76	30	32.49		781.6	747.2

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

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14

SHEET NO. 5340

CONTROL DATA
(cont'd)

Station	North American Datum				1927 Datum	x Scale Factor
	°	'	"	m.	m.	m.
Sand, 1932	39	00	33.819	1042.9	(818.3) 1031.9	(782.3) 986.5
	76	24	04.337	104.3	(1335.5) 108.3	(1276.7) 103.5
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
Skid, 1933	39	02	30.147	929.6	(931.6) 918.6	(890.6) 878.2
	76	25	10.114	243.2	(1195.9) 247.2	(1143.3) 236.3
✓ 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
Tyding, 1932	39	02	08.026	247.5	(1613.7) 236.5	(1542.7) 226.1
	76	24	32.811	789.1	(650.0) 793.1	(621.4) 758.2
Ulm, 1933	39	03	53.495	1649.6	(211.6) 1638.6	(202.3) 1566.5
	76	28	52.196	1254.9	(183.6) 1258.9	(175.5) 1203.5
Ward, 1933	39	04	41.717	1286.4	(574.0) 1275.4	(548.7) 1219.3
	76	30	14.828	356.4	(1082.1) 360.4	(1034.5) 344.5
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
Windmill--Bayside Farm, Sandy Point, 1932	39	00	51.98	1602.9	(258.3) 1591.9	(246.9) 1521.9
	76	23	56.99	1371.1	(68.7) 1375.1	(65.7) 1314.6

DESCRIPTIVE REPORT

To Accompany

PHOTO COMPILATION SHEET No. 5340

Chesapeake Bay, Magothy River to Severn River

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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 south shore of the Magothy River to the north shore of the Severn River and from Chesapeake Bay on the east to the 76° 30' meridian on the west. The eastern half of this area is generally flat having an elevation of approximately 20 feet. Most of this eastern part is covered by cultivated fields and small wooded areas. The western half of the area is more hilly, having differences of elevation up to approximately 100 feet. This western half is covered by wooded areas with only a few small cultivated fields. All areas are under cultivation unless otherwise shown.
- (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>
283 to 289	Over Sandy Pt. between Magothy and Severn Rivers	11-28-33	10:35 AM to 1:00 PM	Low - 8:22 AM High- 3:05 PM
304 to 318	From Bodkin Pt. on Patapsco River to Hackett Pt. on Severn River	11-28-33	10:35 AM to 1:00 PM	Low - 8:22 AM High- 3:05 PM
331 to 349	From Patapsco River between Bodkin Pt. and Rock Pt. to Thomas Pt. on South River	11-28-33	10:35 AM to 1:00 PM	Low - 8:22 AM High- 3:05 PM
380 to 393	From Rock Pt. on Patapsco River to the South River. Over the City of Annapolis.	11-28-33	10:35 AM to 1:00 PM	Low - 8:22 AM High- 3:05 PM

- (e) Refer to Statistics Sheet.

(*) N.B. The paragraphs (numbers and letters) listed refer to those shown on pages 22 and 23 of Notes on Compilation of Planimetric Line Maps.

DESCRIPTIVE REPORT

SHEET NO. 5340

- - -

2. CONTROL:(a) Sources:

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

These triangulation stations were obtained from the ^{work} ~~Progress~~ sketches of the following Chiefs of Parties:

Lieut. Roland D. Horne 1933.

Lieut. Comdr. L.O. Colbert 1932.

Lieut. John A. Bond 1933

The triangulation stations obtained from the ^{work} ~~Progress Sketch~~ of Lieut. Roland D. Horne 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, add four meters.

~~Control was barely sufficient for a good control plot. There is no control on the interior from.~~

(b) Errors:

No errors in control were found by photo plot.

The following triangulation stations appearing on the sheet were not used in running the plot:

<u>Station</u>	<u>Remarks</u>
Black Water Tank, Annapolis Naval Radio Station 1932	Field party doubtful as to which of two tanks they should pick.
Cross on Catholic Retreat, Manresa 1932	Field party did not prick this station in the field. It was pricked in the office but was disregarded in running the plot because it is doubtful whether or not the correct point was pricked.
Flag Pole Shore Acres 1933	Was not tied in by field party.
Labrot 1933	It was very difficult to identify objects on the pictures with which to tie in this station.

All other triangulation stations checked except where the photographs were so dim as to make accurate pricking impossible.

(c) Discrepancies:

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

DESCRIPTIVE REPORT

SHEET NO. 5340

- - -

3. COMPILATION:

(a) Method:

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

(b) Adjustments of plot:

No adjustment was necessary in plotting this sheet.

(c) Interpretation:

No difficulties in interpreting the photographs were encountered. The heights of bluffs as shown on the overlay sheet are the heights as estimated by the field party.

(d) Information from other sources:

All information on this sheet except names was obtained directly from the photographs.

(e) Conflicting names: *OK/G.B.*

Possum Pt., shown on U.S. Coast and Geodetic Survey charts and topographic sheets as above. On the U.S. Geological Survey, Annapolis Quadrangle, this name is spelled Opossum Pt. *Creek, USGB*

Meredithe Cove, shown on the U.S. Geological Survey, North Point Quadrangle as above. On the U.S. Coast and Geodetic Survey charts and topographic sheets, this is called Crabbing Point Creek. *(Meredithe Creek submitted for approval)*

Spriggs Pond, shown on U.S. Coast and Geodetic Survey charts and topographic sheets as above. This is called Robinson Cove on the U.S. Geological Survey, North Point Quadrangle.

Mezicks Ponds. The two ponds are shown by this name on the U.S. Coast and Geodetic Survey chart. On the U.S. Geological Survey, North Point Quadrangle, the northern one of these ponds is called Mezicks Pond while the southern one is called Shorts Creek. *Referred to DGN. Sept. 1935*

It is recommended that the following names be used: Possum Pt., Meridiths Cove, Spriggs Pond, Mezicks Ponds.

Additional Names: *(See above) Names are shown as recommended pending Mr. Bacon's approval. Bg.f*

Mass Pond is shown on the U.S. Geological Survey, North Point Quadrangle as above. This name is not shown on the U.S. Coast and Geodetic Survey charts. It is recommended that this name be added to the charts.

Whitehall River, is shown on U.S. Geological Survey, Annapolis Quadrangle as above. This name is not shown on U.S. Coast and Geodetic Survey charts or topographic sheets. It is recommended that this name be left off the charts to avoid confusing it with Whitehall Creek; since both names refer to practically the same body of water.

Meredith Green - approved - U.S.G.B. HMS 1/135
O.K. DGN. 11-1-33 HMB.

✓
18

DESCRIPTIVE REPORT

SHEET NO. 5340

- - - -

4. COMPARISON WITH OTHER SURVEYS:

- (a) This compilation was compared with photostats of topographic sheets of the U.S. Coast and Geodetic Survey, Register Nos. 6038, 6039; 4677, 4678 and 4679. It was also compared with U.S. Geological Survey Quadrangles.

This compilation was found to agree very well with the shoreline of the above topographic sheets along the open coast.

- (b) In checking the shore line, this compilation was compared with topographic sheets as noted above. We found that the main shore line along Chesapeake Bay, the Magothy River, and the Severn River checked so close that no comment is necessary. Small discrepancies were evident in the shore line of certain creeks and ponds, being especially noticeable near the heads of creeks which extend inland for considerable distance. The radial plot and the drafting have been checked carefully in each area where a change is evident and we recommend that the photo compilation be accepted as correct.

Following is a list of points where the photo compilation differs from the topographic sheets mentioned above:

Winchester Pond. The western side of this pond as shown on topographic sheet, Register No. 4677 is approximately 75 meters in error. The correct shape for the pond may be seen on photograph 392 C.

Small cove east of triangulation station Manresa, shore line varies in places up to 15 meters.

Martins Cove, shore line varies in places up to 15 meters.

Mill Creek, shore line varies in places up to 15 meters.

Ridout Creek, shore line varies in places up to 15 meters.

Mezicks Ponds, shore line varies in places up to 15 meters.

Little Magothy River, shore line varies in places up to 10 meters.

Forked Creek, shore line varies in places up to 10 meters.

Spriggs Pond, shore line varies in places up to 10 meters.

Deep Creek, the head of this creek has been changed approximately 25 meters.

Whitehall Creek, two small sloughs near the head of this creek show considerable change in shape. Also, the shore line near the head of this creek varies in places up to 15 meters.

Merediths Cove, shore line varies from 3 to 20 meters, especially near the head of the creek.

Hackett Point, a small point of land extending out into the Chesapeake Bay on the western side of Hackett Point is changed in position by 30 or 40 meters. There is also an inland pond on Hackett Point which is not shown on topographic sheet, Register No. 4678.

Kass Pond, and the small islands in the same vicinity show variations in shore line up to 15 meters.

DESCRIPTIVE REPORT

SHEET NO. 5340

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5. LANDMARKS

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

Attention is called to the landmark "East Chimney Brick House" shown at the mouth of Mill Creek on U.S. Coast and Geodetic Survey Chart, No. 566. This landmark corresponds to a described topographic station named "Try" which appears on Topographic Sheet, Register No. 4678. A comparison between the topographic sheet and the chart will show that the chart is considerably in error as to the location of this landmark. The correct position for this landmark is as follows:

			m
Position given on form 524			
adjusted to N.A. 1927 Datum	38	59	1353.7
	76	26	1132.5
Position scaled from			
Photo Compilation No. 5340	38	59	1317.0 1348
	76	26	1125.0 1131

(see review note.)

Our radial plot in this section has been very carefully checked and we recommend that the chart be changed to show the landmark in the position indicated by the photo compilation.

- (b) No additional objects in this area 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 review note.~~)
- (b) The width of roads has been exaggerated where necessary to procure well defined lines when the sheet is reproduced. Only the 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 their positions as scaled from Photo Compilation No. 5340. The radial plot has been carefully checked and we believe the positions as shown by the photo compilation are correct to within 3 meters.

(see review note.)

DESCRIPTIVE REPORT

SHEET NO. 5340

0, 952

Station Name	Appears on Topo Sheet No.	Position on N.A. Datum			N.A. 1927 Datum m.	Position Scaled From Sheet 5340 N.A. 1927 Datum		
		°	'	m.		°	'	m.
✓ At	4678	39	00	251.6	240.6	39	00	245 (239
		76	25	639.1	643.1	76	25	632
✓ N	4678	39	00	1185.7	1174.7	39	00	1165 1171
		76	26	786.2	790.2	76	26	785 787
✓ H	4678	39	00	782.7	771.7	39	00	768 772
		76	26	168.0	172.0	76	26	172 173
✓ Try	4678	38	59	1364.7	1353.7	38	59	1345 1348
		76	26	1128.5	1132.5	76	26	1125 1131
✓ Leg	4678	38	59	960.0	949.0	38	59	947 see
		76	27	243.8	247.8	76	27	255 review
✓ Man	4678	38	59	1627.8	1616.8	38	59	1622 1613
		76	27	724.2	728.2	76	27	732 730
✓ Hot	4678	39	00	743.9	732.9	39	00	741 735
		76	27	960.0	964.0	76	27	975 964
Center of Small House (Dec)	6039	39	03	1384	1373	39	03	1367 1374
		76	28	588	592	76	28	586 585
✓ Tit	4678	39	00	285.5	274.5	39	00	277 ✓
		76	27	690.5	694.5	76	27	697 ✓
✓ Tub	4678	38	59	1836.2	1825.2	38	59	1827 1828
		76	25	576.1	580.1	76	25	577 582
Flagpole	4677	39	00	612	601	(Was not tied in		
		76	29	672	676	by field party).		
Statue	4677	39	00	558	547	(Was not tied in		
		76	29	686	690	by field party).		
Flag	4679	39	02	171	160	(Was not tied in		
		76	24	695	699	by field party).		
Pole	4679	39	01	1393	1382	(Was not tied in		
		76	24	244	248	by field party).		

Respectfully Submitted,

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

GEOGRAPHIC NAMES

Survey No. T-5340Date. Jan 26, 1935.Chart No. 1225, 1226, 566Diagram No. ~~1225~~ 77.

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

Ø, Not Approved by the Division of Geographic Names, Department of Interior.

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

Status	Name on Survey	Name on Chart	New Names in local use	Names assigned by Field	Location
	<u>Adams Point</u>	do			
	<u>Ulmsteads Point</u>	do			
	<u>Persimmon Point</u>	do			
	<u>Little Magothy River</u>	do			
	<u>Magothy River</u>	do			
	<u>Broad Neck</u>	do			
	<u>Deep Creek</u>	do			
	<u>Sandy Point</u>	do			
	<u>Mezicks Ponds</u> <u>R</u>	do (566) U.S.G.S.	Mezicks Pond and Short Creek on USGS		North Pt. Quad
	<u>Whitehall Creek</u>	do			
	<u>Merediths Creek</u>	Crabbing Point Creek	(D & N)		
	<u>Ridgout Creek</u>	do (566)			
	<u>Sharps Point</u>	do			
	<u>Possum Point</u>	do			
	<u>Mill Creek</u>	do			
	<u>Martins Cove</u>	do			
	<u>Skidmore</u>	do			
	<u>Mass. Pond</u>	<u>Moss Pond</u> (see GNS)	USGS. "North Pt." Quad.		
	<u>Winchester</u>	_____	USGS. North Pt. Quad.		
	<u>Winchester Pond</u>	_____			
	<u>Spriggs Pond</u>	_____			
	<u>Cool Spring Cove</u>	_____			
	<u>Forked Creek</u>	_____			

Survey No. T-5340

Chart No. 1225, 1226, 566

Diagram No. 77

℄, Not Approved by the Division of Geographic Names, Department of Interior.

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

[illegible]

REVIEW OF AIR PHOTO COMPILATION NO. T-5340.

Scale 1:10,000

Comparison with Recent Topographic Surveys.

a. T-6039 (1933) 1:10,000, was surveyed about the same time the photographs of this compilation were taken. T-6039 covers the south shore of the Magothy River from Tydings on the Bay to Ulmsteads Point. It shows in addition to the river shore line, culture and numerous buildings along the waterfront.

There are a number of differences in size and location of buildings between this compilation and T-6039 amounting to as much as $\frac{1}{2}$ millimeters in some places. Buildings on T-6039 are generally too large. Where the differences in location exceeded $\frac{1}{2}$ millimeter between T-6039 and the compilation an examination of the photographs was made, location checked by radial plot, and the compilation corrected if necessary. Buildings as now shown on this compilation are more nearly correct as to size and position than on T-6039. A few buildings which could not be seen on the photos on account of being obscured by trees were transferred to the compilation from T-6039.

There are shore line differences between T-6039 and this compilation amounting to from $\frac{3}{10}$ to $\frac{3}{4}$ millimeters. The larger differences are only found in Deep Creek and Little Magothy River. The photographs have been examined and the shore line on the compilation has been corrected in several places to agree with T-6039 because of dimness of the photographs and lack of adequate field inspection notes. The remaining differences between T-6039 and this compilation are accounted for only as plane table errors. The compilation now completed contains all detail shown on T-6039 except non-recoverable plane table positions and the magnetic declination.

b. T-4677 (1932) 1:5000, T-4678 (1932) 1:10,000, T-4677 and T-4678 show a number of groups of piles, etc. which were not transferred to the compilation by the field party. On account of the recent date of T-4677 and T-4678 this detail has been transferred from them to the compilation except where definitely disproved by field inspection or by clear photographs.

The following topographic stations have been transferred to the compilation from T-4677 and T-4678.

Flag Pole (d)

Statue (d)

Positions transferred by L. A. M. Checked by D. H. B.

L.A.M.

D.H. Benson

c. T-4679 (1932) 1:20,000, T-4679 covers an area at Sandy Point and vicinity common to this compilation. There has been little change over this area since 1932. The following described topographic station has been transferred to the compilation from T-4679.

Pole (d).

Position transferred by L. A. M. Checked by D. H. B.

L.A.M.

D.H. Benson

All detail on T-4677, T-4678, and T-4679 within the area of this compilation is now shown on this compilation except temporary plane table positions and detail which has been destroyed since the time of T-4677, T-4678, and T-4679.

The photo locations of recoverable plane table stations listed on page 20 are accepted as correct after checking the photo plot of these positions in the office. The card descriptions of the following recoverable stations have been corrected to agree with the photo plot positions and are now filed under this compilation T-5340:

TRY, TIT, MAN, N, AT, TUB, DEC.

The description for recoverable station LEG, position listed on page 20, has been marked "Destroyed". The detail on the photographs does not agree with the description and the house apparently has been destroyed.

d. T-6038 (1933) 1:10,000. T-6038 was surveyed about the same time the photographs of this compilation were taken; only that portion of T-6038 from Spriggs Pond to Ulmsteads Point is common to the compilation.

There were a few differences in the number of buildings along Deep Creek where buildings are obscured by trees. There were differences also around Spriggs Pond where the photos were so dim that high water lines could be traced only with difficulty. In this area where differences in buildings as well as shore line occurred the compilation was changed to agree with T-6038 because of poor definition on the photos. Buildings along Deep Creek which had been omitted from the compilation were transferred to it from T-6038.

The shore line of Deep Creek is clear on the photos and the plot has been verified. Where discrepancies occur here they can be accounted for only as plane table errors.

Previous Topographic Surveys.

T-2325 (1898) 1:20,000. T-2325 covers the Magothy River and large portion of Broad Neck. There are changes of shore line and interior detail. An outstanding change of shore line occurs at Hackett Point. T-2325 is superseded by the compilation over the common area except for the contours shown on T-2325.

T-3084 (1910) 1:10,000. T-3084 covers the mouth of the Severn River and vicinity. The area in common with the compilation is small. Contours are shown on T-3084 and except for these T-3084 is superseded by the compilation over the common area.

Leonard A. McGann
Leonard A. McGann
July 1, 1935.

B. G. Jones

REVIEW OF AIR PHOTO COMPILATION NO. 5340

Chief of Party: J.C. Partington

Compiled by: A.V. Merkel

Project: No. 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) (See review, following pages.)
preceding

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 have been used to supplement the photographic plot. ✓

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.

See 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)

no adjustments large enough to affect plot.

7. High water line on marshy and mangrove coast is clear and adequate for chart compilation. (Par. 16a, 43, and 44)

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)
Par. 38, 39, 41 do not apply to information on this sheet.
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)
See Paragraph 7 of Descriptive Report for discussion of discrepancies in position of Recoverable objects as taken from Form 524 and as found by Radial Plot. See also the report of the task preceding this.
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)
*No additional landmarks recommended.
See Par. 5 Descriptive Report and Form 567 enclosed.*
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)
*No bridges on this sheet except railroad bridge near Δ Manresa.
Information shown on adjoining sheet No. 5341.*
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. *is unadjusted.*
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 Longi- ✓
tude are correctly marked.

3. All station points are 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.

(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:

~~no data page~~

Reviewed in office by: L. A. Mulsanne July 1, 1935.
✓ B. G. Jones

Examined and approved:

C. K. Green
Chief, Section of Field Records

L. O. Polk
Chief, Division of Charts

F. S. Bond
Chief, Section of Field Work

Glade
Chief, Division of Hydrography
and Topography.

LANDMARKS FOR CHARTS

Baltimore, Md.

January 17, 1935

Charted Landmarks--the continuance of which is recommended.

Applied to New Compilation of Chart 549 Dec 20, 1938. Chas. R. Burdick.
Partially applied to Chart 566 July 1939. H. S. J.
Landmarks applied to Chart 566 reconstruction Oct 1947. L. J. A.