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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. 5347

U. S. COAST & GEODETIC SURVEY  
LIBRARY AND ARCHIVES

AUG. 1 1935

Acc. No. \_\_\_\_\_

State Maryland

LOCALITY

Chesapeake Bay

~~West River~~  
West River

Project No. WT 175

1935

CHIEF OF PARTY

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

Partially applied to Ch. 566 - July - 1939 - J.H.S.

DEPARTMENT OF COMMERCE  
U. S. COAST AND GEODETIC SURVEY

REG. NO.

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. 5347

REGISTER NO. T-5347

**5347**

State Maryland

General locality Chesapeake Bay

Locality ~~Photo taken at West River~~ West River

Date of Photographs Apr. 28; May 8, 1934

Scale 1:10,000 Date of survey January 9, 1935

Vessel Photo Compilation Party # 25

Reviewed and recommended for approval

Chief of party Lieut. (i.e.) J.C. Partington, January 21, 1935

Photographs plotted by

Surveyed by S.M. Stoler December 2, 1934

Inked by R.H. Young January 9, 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: Pos.: 427-433; 434-442; 444-449; 450-454;  
479-497; 625-643; 651-652.

-STATISTICS-

on

SHEET, FIELD NO. 5347, REG. NO. 7-5347  
 427 to NO. 442  
 444 to NO. 449  
 PHOTOS, NO. 450 to NO. 454  
 479 to NO. 497  
 625 to NO. 643  
 651 to NO. 652

DATE OF PHOTOGRAPHS April 28, 1934  
 May 8, 1934  
 May 18, 1934.

11:20 A.M. - 1:00 P.M.  
 11:25 A.M. - 11:50 A.M.  
 9:45 A.M. - 1:50 P.M.

	BY	FROM	TO	DATE
ROUGH RADIAL PLOT	S.M. Stoler	9-22-34	9-26-34	
	& <i>E.C. Broadwell</i>			
SCALE FACTOR (1.034)	S.M. Stoler	9-22-34	9-26-34	
	& <i>E.C. Broadwell</i>			
SCALE FACTOR CHECKED	R.D. Cross <i>R.D. Cross</i>	9-27-34	9-28-34	
PROJECTION	<i>W.V. Sulkowski</i> W.V. Sulkowski	9-22-34	9-24-34	
PROJECTION CHECKED	<i>R.H. Young</i> R.H. Young	9-24-34	9-24-34	
CONTROL PLOTTED	<i>W.V. Sulkowski</i> W.V. Sulkowski	9-24-34	9-24-34	
CONTROL CHECKED	<i>R.H. Young</i> R.H. Young	9-26-34	9-26-34	
TOPOGRAPHY TRANSFERRED	<i>R.H. Young</i> R.H. Young	11-10-34	11-10-34	
TOPOGRAPHY CHECKED	<i>R.D. Cross</i> R.D. Cross	11-12-34	11-12-34	
SMOOTH RADIAL LINE PLOT	S.M. Stoler	10- 6-34	11- 2-34	
RADIAL LINE PLOT CHECKED	<i>R.D. Cross</i> R.D. Cross	11- 3-34	11- 5-34	
DETAIL INKED	<i>R.H. Young</i> R.H. Young	11-10-34	1- 9-35	

AREA OF DETAIL INKED 28.68 sq. Statute Miles (Land Area)

AREA OF DETAIL INKED 0.11 sq. Statute Miles (Shoals in Water Area)

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

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

LENGTH OF STREETS, ROADS, TRAILS, R.R., etc. 114.7 Statute Miles

GENERAL LOCATION Maryland, Chesapeake Bay

LOCATION ~~Rhode River and West River~~ *West River* Rivers.

DATUM North American 1927

STATION ~~Grey~~ *Tobacco* 1933  
 Latitude 38° ~~49' 30.115"~~ *51' 48.452"* = ~~929.6~~ *1494.1* m.  
 Longitude 76° ~~34' 58.926"~~ *33' 13.296"* = ~~1121.6~~ *320.6* m.

PROJECTION DIAGRAM

SHEET NO. 5347

Scale = 1:10,000

Scale Factor = 1.034

Distances multiplied by scale factor are given in red.

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76°	35'	34'	33'	32'	31' 76°	30'	29'
54'	4181.9	2990.0	1195.0	1195.0	2890.0	4181.9	54'
	4337.4	2891.6	1145.8	1145.8	2891.6	4337.4	
				5739.2			
				5550.5			
53'							53'
				3826.1			
				3700.3			
52'							52'
				1913.1			
				1850.2			
51'	4188.2	2992.1	1196.1	1196.1	2992.1	4188.2	51'
	4340.7	2893.8	1146.9	1146.9	2893.8	4340.7	
				1913.1			
				1850.2			
38° 50'							38° 50'
				3826.1			
				3700.3			
49'							49'
				5739.2			
				5550.5			
48'	4191.3	2994.2	1197.1	1197.1	2994.2	4191.3	48'
	4343.7	2895.8	1147.9	1147.9	2895.8	4343.7	
76°	35'	34'	33'	32'	31' 76°	30'	29'

Layout by W.V.S. 9-22-34  
 Checked by R.H.Y. 9-24-34

SHEET NO. 5347

SCALE FACTOR COMPUTATIONS

Photos 425 to 433

- - -

<u>Station</u>	<u>to</u>	<u>Station</u>	<u>Measured</u> <u>Distance</u>	<u>Computed</u> <u>Distance</u>	<u>Scale Factor</u> <u>Meas./Comp.</u>
Center Cupola, Large White Barn, Saunders Point 1932*		Winters* 1933	4123	4037	1.021
Center Cupola, Large White Barn, Saunders Point 1932 *		Likes 1933*	2873	2792	1.029
Center Cupola, Large White Barn, Saunders Point 1932 *		Island 1933 *	4058	3945	1.029
Island 1933 *		Brew 1933	4953	4825	1.026
Island 1933 *		Likes 1933 *	2743	2621	1.046
Island 1933 *		Winters 1933 *	5027	4874	1.031
Island 1933 *		Cadle 1933 *	1967	1878	1.047
Carr 1933 *		Sand 1933 *	1929	1858	1.038
Carr 1933 *		Likes 1933 *	2325	2235	1.040
Brew 1933		Winters 1933 *	8500	8290	<u>1.025</u>

Average Scale  
Factor = 1.033

This average scale factor is computed for the entire flight but only part of this flight (427-433) falls on the tracing area of the sheet.

Triangulation stations marked (\*) fall on this sheet.

Computed by E.C.B. 9/22/34  
Checked by R.D.C.

## SHEET NO. 5347

## SCALE FACTOR COMPUTATIONS

Photos 434 to 443

- - -

<u>Station</u>	<u>to</u>	<u>Station</u>	<u>Measured Distance</u>	<u>Computed Distance</u>	<u>Scale Factor Meas./Comp.</u>
West River Flag Pole 1933*		Shuhaws 1932 r'33*	2748	2688	1.022
West River Flag Pole 1933*		Lin 1933*	4379	4295	1.019
West River Flag Pole 1933*		Tun 1933*	5628	5491	1.025
West River Flag Pole 1933*		Dar 1933*	1931	1889	1.022
West River Flag Pole 1933*		Galesville Tank 1933*	2493	2438	1.022
Dar 1933*		Oaks 1933*	2910	2865	1.016
Dar 1933*		Shuhaws 1932 r'33*	3662	3589	1.020
Dar 1933*		Lin 1933*	4209	4134	1.018
Dar 1933*		Tun 1933*	4856	4777	1.017
Oaks 1933*		Tun 1933*	5455	5362	1.017
New 1933		Shuhaws 1932 r'33*	6412	6305	1.017
New 1933		Galesville Tank 1933*	6624	6510	1.018
New 1933		Oaks 1933 *	7515	7406	1.015
Oaks 1933*		Shuhaws 1932 r'33*	1814	1782	<u>1.018</u>

Average Scale Factor = 1.019

The average scale factor is computed for the entire flight but only part of this flight (434-442) falls on the tracing area of the sheet.

Triangulation stations marked (\*) fall on this sheet.

Computed by S.M.S. 9/26/34  
Checked by R.D.C.

SHEET NO: 5347

SCALE FACTOR COMPUTATIONS

Photos 444 to 449

- - -

<u>Station</u>	<u>to</u>	<u>Station</u>	<u>Measured Distance</u>	<u>Computed Distance</u>	<u>Scale Factor Meas./Comp.</u>
Shuhaws 1932 r'33*		Oaks 1933*	1853	1782	1.040
Shuhaws 1932 r'33*		Winters 1933*	2052	1969	1.042
Oaks 1933*		Winters 1933*	566	548	<u>1.032</u>
			Average Scale Factor= 1.038		

The average scale factor is computed for the entire flight and the entire flight falls on the tracing area of the sheet.

Triangulation stations marked (\*) fall on this sheet.

Computed by S.M.S. 9/24/34  
Checked by R.D.C.

SHEET NO. 5347

SCALE FACTOR COMPUTATIONS

Photos 450 to 456

- - -

<u>Station</u>	<u>to</u>	<u>Station</u>	<u>Measured</u> <u>Distance</u>	<u>Computed</u> <u>Distance</u>	<u>Scale Factor</u> <u>Meas./Comp.</u>
Center Cupola, Large White Barn, Saunders Point 1932*		Mayo Flag Pole 1933*	2364	2342	1.009
Center Cupola, Large White Barn, Saunders Point 1932*		Nira 1933*	2977	2943	1.011
Center Cupola, Large White Barn, Saunders Point 1932*		Flagpole, Cadle Creek 1933*	2418	2391	1.011
Center Cupola, Large White Barn, Saunders Point 1932*		Carr 1933*	2789	2744	1.016
Likes 1933*		Tank, Camp Letts 1933*	2745	2698	1.017
Likes 1933*		Carr 1933*	2256	2235	<u>1.009</u>

Average Scale Factor = 1.012

This average scale factor is computed for the entire flight but only part of this flight (450-454) falls on the tracing area of the sheet.

Triangulation stations marked (\*) fall on this sheet.

Computed by S.E.S. 9/24/34  
Checked by R.D.C.

SHEET NO. 5347

SCALE FACTOR COMPUTATIONS

Photos 474 to 503

- - - -

<u>Station</u>	<u>to</u>	<u>Station</u>	<u>Measured Distance</u>	<u>Computed Distance</u>	<u>Scale Factor Meas./Comp.</u>
Dar 1933*		Tun 1933*	4795	4766	1.006
Dar 1933*		New 1933	6120	6090	1.005
Dar 1933*		Creek 1933	7405	7368	1.005
Dar 1933*		Hop 1933	8165	8134	1.004
Dar 1933*		Tobacco 1933*	3174	3103	1.023
Dar 1933*		Likes 1933*	3788	3680	1.029
Dar 1933*		Flagpole, Cadle Creek 1933*	4890	4745	1.030
Dar 1933*		Letts 1933*	6681	6478	1.031
Dar 1933*		Brew 1933	9747	9467	1.030
Dar 1933*		Almshouse 1899 r'33	11477	11133	1.031
Dar 1933*		Milvin 1933	11489	11162	1.029
Almshouse 1899 r'33		Brew 1933	2414	2353	1.026
Almshouse 1899 r'33		Letts 1933*	4791	4657	1.029
Almshouse 1899 r'33		Flagpole, Cadle Creek 1933*	7022	6804	1.032
Almshouse 1899 r'33		Tobacco 1933*	9005	8715	1.033
Almshouse 1899 r'33		Tun 1933*	16014	15646	1.024
Almshouse 1899 r'33		New 1933	17594	17219	1.022
Almshouse 1899 r'33		Creek 1933	18826	18449	1.020
Almshouse 1899 r'33		Hop 1933	19445	19079	1.019

(cont'd)

SHEET NO. 5347

SCALE FACTOR COMPUTATIONS

Photos 474 to 503 (cont'd)

- - -

<u>Station</u>	<u>to</u>	<u>Station</u>	<u>Measured</u> <u>Distance</u>	<u>Computed</u> <u>Distance</u>	<u>Scale Factor</u> <u>Meas./Comp.</u>
Tobacco 1933*	Tun 1933*		7931	7834	1.012
Tobacco 1933*	Likes 1933*		3794	3655	1.038
Tobacco 1933*	Hop 1933		10492	10413	1.008
Tobacco 1933*	Brew 1933		7730	7492	1.032
Tun 1933*	Hop 1933		5330	5326	<u>1.000</u>

Average Scale Factor = 1.022

This average scale factor is computed for the entire flight but only part of this flight (479-498) falls on the tracing area of the sheet.

Triangulation stations marked (\*) fall on this sheet.

Computed by S.M.S. 10/1/34  
Checked by R.D.C.

SHEET NO. 5347

SCALE FACTOR COMPUTATIONS

<u>Flight</u>	<u>Average Scale Factor</u>
Photos 425-433	1.033
Photos 434-443	1.019
Photos 444-449	1.038
Photos 450-456	1.012
Photos 474-503	<u>1.022</u>
Average Scale Factor for Sheet = 1.025	

A scale factor of 1.034 was used for this sheet, however, in order to correspond with Sheet No. 5344 and Sheet No. 5348 which it joins. This enabled junctions to be made.

Scale Factor for Sheet = 1.034

## SHEET NO. 5347

## CONTROL DATA

Station	North American Datum				1927	x Scale
	°	'	"	m.	Datum m.	Factor m.
Beacon, Rhode River Ent. 1933	38	52	00.89	27.4	(1833.8) 16.4	(1896.2) 17.0
	76	30	50.50	1217.5	(225.0) 1221.5	(232.6) 1263.0
Beer 1933	38	53	13.498	416.3	(1144.9) 405.3	(1494.0) 419.1
	76	31	11.909	287.0	(1155.4) 291.0	(1194.7) 300.9
Cadle 1933	38	52	38.076	1174.1	(687.1) 1163.1	(710.5) 1202.6
	76	31	00.422	10.2	(1432.4) 14.2	(1481.1) 14.7
Carr 1933	38	53	17.883	551.4	(1309.7) 540.4	(1354.2) 558.8
	76	31	23.212	559.5	(882.7) 563.5	(912.7) 582.7
Cedar 1933	38	51	02.599	80.1	(1781.0) 69.1	(1841.6) 71.4
	76	31	41.837	1008.9	434.0 1012.9	448.8 1047.3
Center Cupola, Large White Barn, Saunders Point 1932	38	53	20.96	646.3	(1214.8) 635.3	(1256.1) 656.9
	76	29	29.45	709.8	(732.3) 713.8	(757.2) 738.1
Chalk 1933	38	50	16.264	501.5	(1359.6) 490.5	(1405.8) 507.2
	76	32	22.238	536.4	(906.8) 540.4	(937.6) 558.8
Chimney, Large Grey House, Turkey Point 1932	38	54	30.01	925.4	(935.8) 914.4	(967.6) 945.5
	76	29	42.83	1032.0	(409.7) 1036.0	(423.6) 1071.2
Dar 1933	38	50	27.297	841.7	(1019.4) 830.7	(1054.1) 858.9
	76	31	57.698	1391.6	(51.5) 1395.6	(53.3) 1443.1

(cont'd)

## SHEET NO. 5347

## CONTROL DATA (Cont'd)

Station	North American Datum				1927 Datum	x Scale Factor
	°	'	"	m.	m.	m.
Flagpole, Cadle Creek 1933	38	52	55.11	1699.4	(161.8) 1688.4	(167.3) 1745.8
	76	31	02.98	71.8	(1370.7) 75.8	(1417.3) 78.4
Gale 1933	38	50	38.404	1184.2	(676.9) 1173.2	(699.9) 1213.1
	76	32	17.271	416.7	(1026.6) 420.6	(1061.5) 434.9
Galesville Tank 1933	38	50	37.550	1158.0	(703.2) 1147.0	(727.1) 1186.0
	76	32	30.781	742.3	(700.8) 746.3	(724.6) 771.7
Gray 1933 * (N.A. 1927 Datum)	38	49	30.145		(920.6) 929.6	(951.9) 961.2
	76	34	58.926		(25.9) 1421.6	(26.8) 1469.9
Island 1933	38	53	03.010	92.8	(1768.3) 81.8	(1828.4) 84.6
	76	32	11.504	277.3	(1164.9) 281.3	(1204.5) 290.9
Letts 1933	38	53	57.304	1767.0	(94.9) 1756.0	(98.1) 1815.7
	76	32	05.396	130.0	(1311.8) 134.0	(1356.4) 139.0
Likes 1933	38	52	12.009	370.3	(1490.9) 359.3	(1541.6) 371.5
	76	30	44.504	1072.8	(369.6) 1076.8	(382.2) 1113.4
Lin 1933	38	48	54.276	1673.4	(187.8) 1662.4	(194.2) 1718.9
	76	29	54.294	1309.9	(134.7) 1313.9	(139.3) 1358.6
Locust 1933	38	51	47.213	1455.9	(405.3) 1444.9	(419.1) 1494.0
	76	31	11.710	282.3	(1160.2) 286.3	(1199.6) 296.0
Mayo Flag Pole 1933	38	52	44.11	1360.2	(501.0) 1349.2	(518.0) 1395.1
	76	30	54.41	1311.7	(130.8) 1315.7	(135.2) 1360.4

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

(cont'd)

SHEET NO. 5347

CONTROL DATA (cont'd)

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<u>Station</u>	North American Datum				1927 Datum	x Scale Factor
	°	'	"	<u>m.</u>	<u>m.</u>	<u>m.</u>
McKinley 1933	38	51	06.238	192.4	(1668.8) 181.4 (66.1)	(1725.5) 187.6 (68.3)
	76	30	57.093	1376.8	1380.8	1427.7
Nira 1933	38	52	54.162	1670.2	(191.0) 1659.2 (801.0)	(197.5) 1715.6 (828.2)
	76	31	26.612	641.4	645.4	667.3
Oaks 1933	38	50	59.384	1831.2	(30.0) 1820.2 (1292.7)	(31.0) 1882.1 (1336.7)
	76	30	06.239	150.5	154.5	159.8
Sand 1933	38	52	18.564	572.5	(1288.7) 561.5 (1212.4)	(1332.5) 580.6 (1253.6)
	76	31	09.543	230.1	234.1	242.1
Saunders 2 1934* (N.A. 1927 Datum)	38	53	08.614		(1584.5) 265.6 (646.8)	(1638.4) 274.6 (668.8)
	76	29	33.166		799.4	826.6
Shuhaws 1932 r'33	38	50	08.667	267.2	(1593.9) 256.2 (700.1)	(1648.1) 264.9 (723.9)
	76	29	30.812	743.1	747.1	772.5
Stone 1933	38	51	21.102	650.7	(1210.5) 639.7 (1072.8)	(1251.7) 661.4 (1109.2)
	76	32	15.351	370.1	374.1	386.9
Tank, Camp Letts 1933	38	53	24.81	765.2	(1096.1) 754.2 (318.7)	(1133.4) 779.8 (329.5)
	76	31	46.61	1123.3	1127.3	1165.6
Tobacco 1933 * (N.A. 1927 Datum)	38	51	18.452		(356.1) 1494.1 (1126.0)	(368.2) 1544.9 (1164.3)
	76	33	13.296		320.6	331.5
Tun 1933	38	48	06.941	214.0	(1647.1) 203.0 (601.8)	(1703.1) 209.9 (622.3)
	76	30	34.897	842.1	846.1	874.9

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

SHEET NO. 5347

CONTROL DATA (cont'd)

- - -

<u>Station</u>	North American Datum				1927	x Scale
	<u>°</u>	<u>'</u>	<u>"</u>	<u>m.</u>	Datum <u>m.</u>	Factor <u>m.</u>
Water tank (final) 1932	38	54	12.97	400.0	(1461.2) 389.0	(1510.9) 402.2
	76	29	59.82	1441.4	(0.4) 1445.4	(0.4) 1494.5
West Cty. house Cedar Point 1933	38	51	02.96	91.6	(1769.6) 80.6	(1829.8) 83.3
	76	31	40.28	971.4	(471.5) 975.4	(487.5) 1008.6
West River Flag Pole 1933	38	51	04.95	152.6	(1708.5) 141.6	(1766.6) 146.4
	76	30	55.94	1349.0	(93.9) 1353.0	(97.1) 1399.0
Winters 1933	38	51	10.932	337.1	(1524.1) 326.1	(1575.9) 337.2
	76	29	48.959	1180.6	(262.2) 1184.6	(271.1) 1224.9

14

DESCRIPTIVE REPORT

To Accompany

PHOTO COMPILATION SHEET NO. 5347

Chesapeake Bay; ~~Rhode River and West River~~  
West River

- - -

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 approximately the 38°-54'-15" parallel on the north to the 38°-48' parallel on the south and from Chesapeake Bay on the east to the 76°-35' meridian on the west. All of West River and Rhode River is shown on this sheet.

In order to describe this area, the sheet should be divided in half by a diagonal drawn between the northeast corner and the southwest corner. That part of the area which lies to the south of this diagonal is very low and flat having no contours as high as 20 feet. This section is covered with cultivated fields, small wooded areas and small marshes. That part of the area which lies to the north of the diagonal is very hilly and rough, having contours up to 120 feet. This section is covered by trees and small cultivated fields.

- (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>
427 to 433	From Selby Bay on the South River to Dutchman Point on the West River	4-28-34	11:20 AM to 1:00 PM.	Low---10:13 AM High-- 3:19 PM
434 to 442	From West River between Cedar Pt. and Curtis Pt. southward to Herring Bay	4-28-34	11:20 AM to 1:00 PM	Low---10:13 AM High-- 3:19 PM
444 to 449	From Curtis Pt. on West River southward along Chesapeake Bay to Franklin Pt.	4-28-34	11:20 AM to 1:00 PM	Low---10:13 AM High-- 3:19 PM

DESCRIPTIVE REPORT

SHEET NO. 5347

- - -

<u>Photo Numbers</u>	<u>Flight Strip Location</u>	<u>Date</u>	<u>Time</u>	<u>Stage of Tide</u>
450 to 454	From Turkey Pt. on South River southward over Saunders Pt.	4-28-34	11:20 AM to 1:00 PM	Low---10:13 AM High-- 3:19 PM
479 to 497	From Parkers Creek in Herring Bay northward over the head of West River	4-28-34	11:20 AM to 1:00 PM	Low---10:13 AM High-- 3:19 PM
625 to 643	From Chesapeake Beach northward over the head of South River	5- 8-34	11:25 AM to 11:50 AM	High--12:00 M
651 to 652	Over the head of South River	5-18-34	9:45 AM	High-- 7:28 AM Low--- 2:42 PM

(e) Refer to Statistics Sheet.

2. CONTROL:

(a) Sources:

The triangulation stations shown on the ~~celluloid~~<sup>compilation</sup> furnished all the control used in plotting the sheet. These triangulation stations were obtained from the ~~charts~~<sup>work progress</sup> of the following Chiefs of Parties:

Lieut. John A. Bond	South, West & Rhode Rivers 1933
Comdr. L.O. Colbert	South & Severn River, Entrance 1932
Lieut. Roland D. Horne	Project No. G-113 1933
Lieut. John Bowie Jr.	Project No. G-189 1934
Lieut. E.R. McCarthy	Eastern Bay & Chesapeake Bay from Tilghman I. to Claiborne 1933

(b) Errors:

The triangulation station "Beacon Rhode River Entrance 1933" was not used in running the plot because it was not located on the pictures by the field party.

The station "Island 1933" is located among trees and could not be accurately tied in on the photographs. For this reason it was disregarded in running the plot.

The station "Beer 1933" would not check its position on the celluloid and was disregarded in running the plot. This was possibly due to an error on the part of the field party in locating the station on the photograph.

DESCRIPTIVE REPORT

SHEET NO. 5347

- - -

(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:

In running the plot for this sheet all the pictures east of the 76°-33' meridian were plotted first. These could be plotted very accurately and all the radial points established from these pictures should be accurate.

In the area which lies west of the 76°-33' meridian there are only two triangulation stations. In order to plot the pictures in this section, the radial points mentioned in the preceding paragraph were used together with the two triangulation stations as control for the pictures. Using these radial points to fix the pictures it was possible to run a plot which gave excellent intersections and it is believed that the points are within the range of accuracy required.

The scale of pictures 625 to 643 and 651 to 652 is approximately .970 while the scale of the projection is 1.034. Due to this difference, it was very difficult to accurately draw the shore line at the head of West River in the vicinity of Johns Creek, Smith Creek and Lerchs Creek. This area has been checked carefully and we believe the work to be correct as shown. For most of the shore line in this vicinity, radial points about one inch apart were picked.

(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. (See review.)

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

(e) Names:

In accordance with the Director's letter dated September 28, 1934, Reference 20-SG, 1990 (25), a special effort was made to determine place names in the area shown on Sheet No. 5347.

DESCRIPTIVE REPORT

SHEET NO. 5347

- - -

A party was sent into the field with photostats of the topographic sheets and all names given below were verified locally either by local residents, post masters, or fishermen.

The following names which are shown in red on a section of Chart 1225 were verified and it is recommended that these names be used on the chart:

- ✓ Big Pond
- ✓ Beverley Beach
- ✓ Cadle Creek — *no new name; shown on Ch. 1225.*
- ✓ Whitmarsh Creek
- ✓ Sellmans Creek
- ✓ Sheephead Cove
- ✓ Fox Creek
- ✓ Muddy Creek
- ✓ Boathouse Creek
- ✓ Cheston Creek
- ✓ Scaffold Creek
- ✓ Cox Creek
- ✓ Councillors Point
- ✓ Back Bay Beach
- ✓ South Creek
- ✓ Parish Creek
- ✓ Franklin Manor

Doubtful Names:

✓ Deep Cove Creek is locally known by this name in order to distinguish it from a small body of water between Dutchmans Point and Saunders Point called Deep Creek.

✓ Battes Point is locally known by this name and not by Battes Cape. *This point is on T5348 to the south of this compilation.*

Conflicting Names:

✓ Mill Creek is locally known by this name and not by the name Ramsay Lake or Ramsay Gut. This body of water is called Mill Creek by local residents on account of the old mill that was formerly between this body of water and Selby Bay. The mill race is still there. Local residents advise that some of the county records refer to this body of water as Ramsays Lake. The U.S. Geological Survey, Owensville Quadrangle and the U.S. Coast & Geodetic Survey Chart No. 1225 show this as Ramsays Gut. Local residents say that the name Ramsays Gut applied to an outlet between this body of water and Chesapeake Bay. This outlet has since closed up. This body of water is called Ramsay Lake on topographic sheet Register No. 6032.

On account of local usage the name Mill Creek is recommended for the charts.

DESCRIPTIVE REPORT

SHEET NO. 5347

Misspelled Names:

The correct spelling of the following names was obtained locally and they are recommended for use on the chart:

✓ Kamp Kahlert--Although the first word of this name is obviously spelled wrong the road signs in this vicinity refer to the settlement by this spelling.

✓ Shady Side--This name is two words; verified by the post master of this post office.

✓ Cedarhurst--This name is one word; verified by local signs and local usage.

Idlewilde--This name is spelled as shown and not as Idylwild. The name refers to the whole settlement on Curtis Point.

✓ Murrays Wharf--This wharf is owned by a Mr. Murray and local residents advise that the name be spelled as shown. The topographic sheet of this area spells the name Murry but this is incorrect according to local usage.

✓ Pophams Creek is locally known by this name and not by the name Lane Creek as shown on topographic sheet Register No. 6040. ✓

✓ Lerchs Creek has always been known by this name according to local residents and not by the name Gales Creek as shown on topographic sheet Register No. 6035, and U.S. Geological Survey, Owensville Quadrangle. ✓

New Names:

✓ Deep Creek

Bream Lake--Locally named on account of the specie of fish in this lake. (Note: The spelling of the first word should be verified). ✓

✓ Bear Neck--The west branch of Whitemarsh Creek.

✓ Flat Island

✓ Smith Creek

✓ Johns Creek

✓ Jack Creek

Flagg Pond.

These names are established names in local usage and it is recommended that they be added to the charts.

4. COMPARISON WITH OTHER SURVEYS:

(a) This compilation has been compared with photostats of topographic sheets of the U.S. Coast & Geodetic Survey, Register Nos. 6032, 6035 and 6040. It was also compared with U.S. Geological Survey Quadrangles.

Junctions with adjoining sheets are satisfactory.

DESCRIPTIVE REPORT

SHEET NO. 5347

- - -

(b) In checking the shoreline, this compilation was compared with the topographic sheets mentioned above. The shoreline agrees very closely except in a few places listed below:

- ✓ Saunders Point--Just north of Saunders Point, the shore has washed considerably and the high water line is now some 20 or 30 meters west of its former location. T-6032.
- ✓ Mill Creek--The shore line varies as much as 10 meters at some points. T-6032.
- ✓ Big Pond--The shore line varies as much as 10 meters at some points.
- ✓ Sellmans Creek--The shore line varies as much as 10 meters at the upper end. T-6040.
- ✓ Big Island--The shore line varies a few meters near station "Island 1933". T-6040.
- ✓ Murrays Wharf--The shore line varies a few meters just east of Murrays Wharf. T-6040.
- ✓ Between triangulation stations "Mira 1933" and "Sand 1933" the shore line varies a few meters. T-6040.
- ✓ Lerch's Creek--The shore line varies as much as 10 meters. T-6035
- ✓ Smith Creek--The shore line varies as much as 20 meters.
- ✓ Deep Cove Creek--The shore line varies as much as 15 meters.

The radial plot and the drafting has been carefully checked at all the above points and we recommend that the shore line as shown on this compilation be taken as correct.

There is a small inland pond ~~west~~ <sup>west</sup> of Franklin Point which is not shown on existing charts or topographic sheets.

A small marshy island at the head of Muddy Creek is shown on Topographic Sheet, Register No. 6040. The shore line of this island could not be identified on the photographs and it has been left off the photo compilation sheet. In this vicinity the water is very shallow. The photographs 625 to 643 were taken at high tide and the island does not show. (See photo No. 639). *This island has been transferred to the compilation from T-6040. S.A.M.*

It is believed that this island is erroneously shown on Topographic Sheet, Register No. 6040. *(See review.)*

5. LANDMARKS:

(a) The field party recommended no additional landmarks or recoverable objects in this vicinity. A copy of Form No. 567, Landmarks for Charts, is enclosed.

(b) The only objects in this territory that may be listed as landmarks are houses along the shore. It is impossible to tell under the stereoscope if any of these houses show with sufficient prominence to be listed as landmarks.

*Note: The following Lights and Beacons not mentioned in the Preceding par. nor listed on form 567 are shown on This compilation West R. Entrance Light, Rhode River Entrance Light, and 3 Beacons in Rhode River.*

DESCRIPTIVE REPORT

SHEET NO. 5347

- - -

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. The inland detail which lies west of the 76°-33' meridian will have a probable error of 10 meters. All other detail should be correct to within 5 meters.
- (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 located.

7. RECOVERABLE OBJECTS:

The position of the only recoverable object given on Form No. 524 is listed below but this station was not tied in by the field party and therefor is not shown on this compilation.

<u>Station Name</u>	<u>Topo Sheet</u>	<u>Position EA Datum Form 524</u>	<u>NA 1927 Datum</u>	<u>Position on Sheet # 5347</u>
Slide	4679	38° 52' 1067 m. 76° 30' 174 m.	1056 m. 178 m.	Was not tied in by field party.

*This point is probably gone. An inspection of the photographs shows no evidence of the toboggan slide on which it was located.* R.A.M.

Respectfully submitted,

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

GEOGRAPHIC NAMES

Date. Feb. 12, 1935.

Survey No. T-5347

Chart No. 1225

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>West River</u> ✓	do 1225.			
	<u>South Creek</u> ✓	—————	✓	✓	
	<u>Rhode River</u> ✓	do 1225.			
	<u>Galesville</u> ✓	do 1225			
	<u>Galloways P.O.</u> ✓	do 1225			
	<u>Tenthouse Creek</u> ✓	do 1225			
	<u>Dutchman Pt.</u> ✓	do 1225			
	<u>Cedar Pt.</u> ✓	do 1225			
	<u>Chalk Pt.</u> ✓	do 1225			
	<u>Curtis Pt</u> ✓	do 1225.			
	<u>Horse shoe Pt.</u> ✓	do 1225			
	<del>Shady Side</del> ✓	<del>Shady side</del> <b>Shadyside</b> in <b>ANS</b> (Chart name misspelled)			
	<u>High Island</u> ✓	do 1225			
	<u>Big Island</u> ✓	do 1225			
	<u>Coates Wharf</u> ✓	do 1225.			
	<u>Selby Bay</u> ✓	do 1225.			
	<u>Saunders Pt.</u> ✓	do 1225.			
	<u>Carr Wharf</u> ✓	do 1225			
	<u>Maya</u> ✓	do 1225			
	<u>Cadle Creek</u> ✓	do 1225			
	<u>Cheston Pt</u> ✓	do 1225			
	<u>Franklin Pt</u> ✓	do 1225.			

GEOGRAPHIC NAMES

Date. Feb. 12. 1935.

Survey No. T-5347

Chart No. 1225

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
	<del>Mill Creek</del> ✓	<del>Ramsay Gut</del>	○ <del>see GMS</del>	○ ✓	
	<del>Bream Lake</del> ✓	<u>Ramsay Lake</u> <u>Bream Creek</u> Pond 12/5/39	Field investigation by Mr. Edmondston	✓	
	<del>Bear Neck</del> ✓	<u>Bear Creek</u> ✓	Creek is more suitable than Neck	✓	
	<u>Whitemarsh Creek</u> ✓	_____	✓	✓	U.S.G.S.
	<del>Sellman's Creek</del> ✓	_____	USFB	✓	
	<u>Sheephead Cove</u> ✓	_____	✓	✓	
	<u>Fox Creek</u> ✓	_____	✓	✓	
	<u>Boathouse Creek</u> ✓	_____	✓	✓	
	<del>Murray's Wharf</del> ✓	<del>Murray Wharf</del> (misspelled on Chart)	USFB		
	<u>Deep Creek</u> ✓	_____	✓	✓	
	<u>Big Pond</u> ✓	_____	✓	✓	
	<u>Camp Letts</u> ✓	_____	✓	✓	
	<u>Beverly Beach</u> ✓	_____	✓	✓	
	<u>Sterners Wharf</u> ✓	_____	✓	✓	U.S.G.S.
	<u>Flagg Pond</u> ✓	_____	✓	✓	
	<u>Scaffold Creek</u> ✓	_____	✓	✓	U.S.G.S.
	<u>Councillors Pt.</u> ✓	_____	✓	✓	U.S.G.S.
	<u>Parish Creek</u> ✓	_____	✓	✓	
	<u>Jack Creek</u> ✓	_____	✓	✓	
	<u>Back Bay Beach</u> ✓	_____	✓	✓	
	<u>Cheston Creek</u> ✓	_____	✓	✓	U.S.G.S.



REVIEW OF AIR PHOTO COMPILATION T-5347

Scale 1:10,000

1. Comparison with Recent Plane Table Surveys.

(a) T-6032, T-6035, T-6040, (1933) 1:10,000. These 1933 plane table surveys show a number of dolphins, piles, small docks, and wrecks which were not transferred to this compilation by the field party. Because of the recent date of the plane table surveys, this detail has been transferred to the compilation except where definitely disproved by field inspection or by clear photographs. All detail on the above listed plane table surveys within the area of this compilation is now shown on the compilation except for temporary plane table stations, buoys, and detail which has been destroyed since 1933.

(b) T-6032, 1933. A small dock shown on T-6032 at latitude  $38^{\circ}54.1'$ , longitude  $76^{\circ}30.45'$  no longer exists and has not been transferred to this compilation. See page 18 in the preceding descriptive report for a discussion of differences in location of high water line between T-6032 and this compilation.

(c) T-6035, 1933. Inspection of the photograph shows that the small dock on T-6035 at latitude  $38^{\circ}50.2'$ , longitude  $78^{\circ}32.3'$  no longer exists and has not been transferred to this compilation. See page 18 of the preceding report for discussion of differences and location of high water line between T-6035 and this compilation. The delineation of high water line as shown on the compilation is accepted as correct.

(d) T-6040, 1933. The small marsh island at the head of Muddy Creek on T-6040, discussed on page 18 paragraph 5 of the preceding report, has been transferred to the compilation pending its disapproval by field inspection. The photographs are not clear.

Three small piers shown on T-6040 in White Marsh Creek do not show on the photographs and their existence is very doubtful. They have not been transferred to the compilation.

The ~~West~~ River entrance light and the four beacons in Rhode River were transferred to this compilation from T-6040 by <sup>and the light</sup> *L.A. Mulsam* and checked by *D. H. Benson*. These beacons do not show on the photographs.

2. Comparison with Previous Topographic Surveys.

(a) T-2394, 1899 and T-2395, 1903. Comparison with these plane table surveys showed small changes in shore line and numerous changes due to construction of roads and settlement of this area. The compilation is adequate to supersede T-2394 and T-2395 for the area it covers except for the contours shown on the old surveys.

3. Remarks.

The elevations of bluffs as given below were estimated by the field inspection party and are not shown on the compilation.

At Franklin Point	10 feet
Cheston Point	10 feet
Saunders Point	10 feet
Bear Neck	8 to 15 feet
Big Island	15 feet
Between Carr Wharf and Dutchman Point	10 to 12 feet
Between Δ"Nira" and Δ"Sand"	8 feet

*Lionard A. Nelson*  
*June 25, 1935.*  
*✓ B. G. Jones*



REVIEW OF AIR PHOTO COMPILATION NO. *T-5347*Chief of Party: *J.C. Partington*Compiled by: *R.H. Young*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, ~~x~~, 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 have been used to supplement 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)
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 determined and shown on field photographs by field inspection party.*

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)
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)~~  
*No bridges over navigable streams on this sheet.*
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) ✓  
*Full discussion of new and conflicting names in report. Compared with U.S.G.S. Quadrangle "Owensville" as well as charts 1225*
13. The geographic datum of the compilation is *North American 1927* and the reference station is correctly noted. *Datum sta. 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 Longitude 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:

~~See following pages.~~

Reviewed in office by: Leonard A. McKean June 25, 1935.  
V.B.G. Jones

Examined and approved:

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

L. O. Colburn.  
Chief, Division of Charts

F. B. Dorn  
Chief, Section of Field Work

G. Wade  
Chief, Division of Hydrography  
and Topography.

Report for T 5347. Supplemental  
filed 6/11/36

1. Minor geographic name corrections.

Report T 50