

5343

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

DESCRIPTIVE REPORT

A. T. PHOTO

Topographic

Hydrographic

Sheet No. 5343

State Maryland

LOCALITY

Chesapeake Bay

Upper Severn and Magothy Rivers

~~Anne Arundel County, Upper Part~~~~Magothy River and Round Bay Area~~~~Severn River~~

Project No. HT 175

1934

CHIEF OF PARTY

J. C. Portington Jr. H. & G. Engr.

U. S. GOVERNMENT PRINTING OFFICE: 1934

Applied to New Compilation of Chart 549 Dec 22 1938 Chas. R. Bush Jr
" " reconstruction of chart 566 - ^{deck} structures and landmark - A 72 Aug 1947

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. 5343

REGISTER NO. T-5343

5343

State Maryland

General locality Chesapeake Bay

~~Anne Arundel County, Upper Part of Magothy River~~
Locality and Round Bay Area of Severn River, Upper Severn and Magothy Rivers.

Date of Photographs April 28, 1934
Date of compilation December 19, 1934

Scale 1:10,000

Airplane - Army Air Corps Plane

Vessel Photo Compilation Party # 25.

Reviewed and recommended for approval

Chief of party Lieut. (j.g.) J.C. Partington, Jan. 16, 1935

Photographs plotted by

Surveyed by S.L. Stoler September 6, 1934

Inked by A.V. Merkel December 19, 1934

Heights in feet above _____ to ground to tops of trees

Contour, Approximate contour, Form line interval _____ feet

Instructions dated March 11, 1934

Remarks: Compilation of aerial photographs Nos. 516-536.

-STATISTICS-

on

SHEET, FIELD NO. 5343 , REG. NO. T-5343.

PHOTOS, NO. 516 to NO. 536

DATE OF PHOTOGRAPHS April 28, 1934

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

- - - - -

	BY	FROM	DATE	TO
ROUGH RADIAL PLOT	<i>R.D. Cross</i> R.D. Cross	6/11/34	6/22/34	
SCALE FACTOR (1.034)	<i>R.D. Cross</i> R.D. Cross	6/23/34	6/26/34	
SCALE FACTOR CHECKED	<i>J.C. Partington</i> J.C. Partington	6/27/34	6/27/34	
PROJECTION	<i>J.W. Seager</i> J.W. Seager	8/ 8/34	8/ 8/34	
PROJECTION CHECKED	<i>R.D. Cross</i> R.D. Cross	8/ 8/34	8/ 8/34	
CONTROL PLOTTED	<i>R.D. Cross</i> R.D. Cross	8/ 9/34	8/ 9/34	
CONTROL CHECKED	<i>J.W. Seager</i> J.W. Seager	8/13/34	8/13/34	
TOPOGRAPHY TRANSFERRED	<i>A.V. Merkel</i> A.V. Merkel	10/ 4/34	10/ 5/34	
TOPOGRAPHY CHECKED	<i>R.D. Cross</i> R.D. Cross	10/ 5/34	10/ 5/34	
SMOOTH RADIAL LINE PLOT	S.M. Stoler	8/15/34	9/ 6/34	
RADIAL LINE PLOT CHECKED	<i>R.D. Cross</i> R.D. Cross	9/10/34	9/11/34	
DETAIL INKED	<i>A.V. Merkel</i> A.V. Merkel	10/ 5/34	12/19/34	
PRELIMINARY REVIEW SHEET	<i>R.D. Cross</i> R.D. Cross	1/ 3/34	1/11/35	
AREA OF DETAIL INKED	19.2 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)	20.4 Statute Miles			
LENGTH OF SHORELINE (rivers and sloughs less than 200 m. wide)	18.4 Statute Miles			
LENGTH OF STREETS, ROADS, TRAILS, R.R., etc.	126.68 Statute Miles			
GENERAL LOCATION	Maryland, Chesapeake Bay.			
LOCATION	<u>Upper Severn and Magothy Rivers.</u> Anne Arundel County, Upper Part of Magothy River and Round Bay Area of Severn River.			
DATUM	North American 1927			
STATION	Byrd 1933	Latitude 39° 02' 53.142" = 1638.7 m.		
		Longitude 76° 31' 52.445" = 1261.4 m.		

PROJECTION DIAGRAM

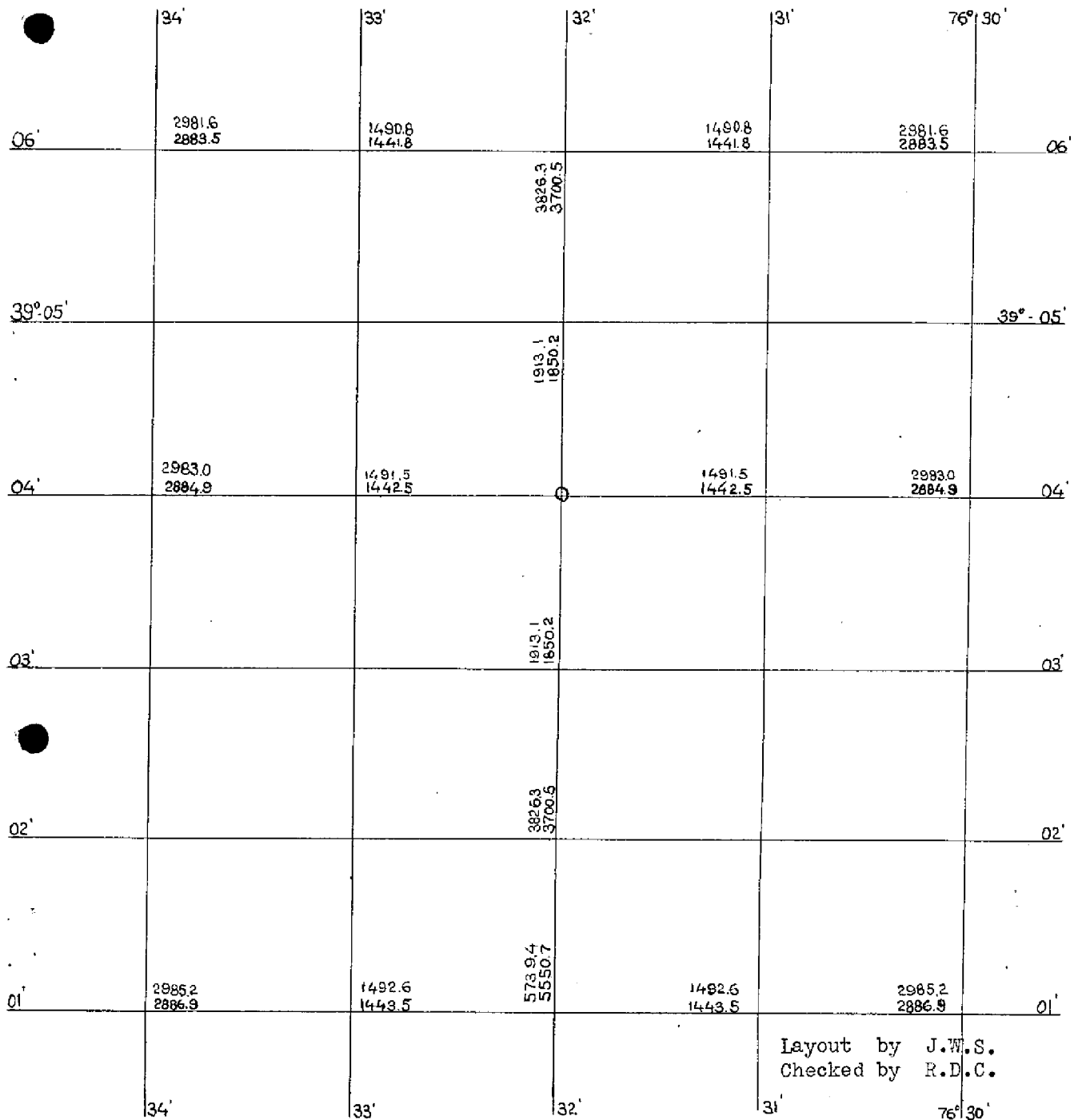
SHEET 5343

Scale = 1:10,000

Scale Factor = 1.034

Distances multiplied by scale factor are given in red

- - - -



SHEET NO. 5343

SCALE FACTOR COMPUTATION

Photos 504-555

- - -

<u>Station</u>	<u>to</u>	<u>Station</u>	<u>Measured Distance</u>	<u>Computed Distance</u>	<u>Scale Factor Meas./Comp.</u>
Lauringer, 1933*		Del, 1933*	1287	1254	1.026
List, 1933*		Del, 1933*	3000	2934	1.026
Del, 1933*		Mago, 1933*	1685	1631	1.033
Ward, 1933*		Mago, 1933*	753	718	1.049
Ward, 1933*		Del, 1933*	1265	1227	1.031
Big, 1933*		Del, 1933*	1345	1306	1.030
Hun, 1933*		Mago, 1933*	1540	1492	1.032
Cyp, 1933*		Mago, 1933*	1740	1692	1.028
Allen, 1933*		Del, 1933*	1920	1864	1.030
Pagoda 2 Story, 1933*		Del, 1933*	1409	1369	1.029
Byrd, 1933*		Works, 1933	7700	7442	1.035
Brewer, 1933*		Byrd, 1933*	2495	2411	1.035
Valentine, 1933*		Byrd, 1933*	2380	2299	1.035
Valentine, 1933*		Brewer, 1933*	2945	2849	1.034
Poplar, 1933		Almshouse, 1899 r '33	1352	1307	1.034
Brown, 1933		Poplar, 1933	590	574	1.028
Edge, 1933		Brown, 1933	700	676	1.036
Edge, 1933		Lamp, 1933	310	298	1.040
Boyd, 1933		Edge, 1933	795	768	1.035
Flagpole, Fer- ry Point, 1933		Almshouse, 1899 r '33	731	701	1.043
Flagpole, Fer- ry Point, 1933		Poplar, 1933	1401	1348	1.039

(continued)

SHEET NO. 5343

SCALE FACTOR COMPUTATIONS

Photos 504-555 (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>
Middle Chim- ney Yellow House, 1933		Almshouse, 1899 r'33	1300	1256	1.035
Windmill Wil- mer Estate, 1933		Poplar, 1933	812	781	1.040
Siren on Bridge House- South River Bridge, 1933		Edge, 1933	390	378	1.032
Middle Chim- ney Yellow House, 1933		Almshouse, 1899 r'33	1300	1256	1.035

Average Scale Factor 1.034

This average scale factor is computed for the entire flight but only part of this flight (516-536) falls on this sheet.

Triangulation stations marked (*) fall on this sheet.

Computed by R.D.C. 6/26/34
Checked by J.C.P.

SHEET NO. 5343

CONTROL DATA

	North American Datum				1927 Datum	x Scale Factor
	<u>°</u>	<u>'</u>	<u>"</u>	<u>m.</u>	<u>m.</u>	<u>m.</u>
Allen, 1933	39	03	57.915	1785.9	(75.3) 1774.9	(77.9) 1835.2
	76	31	38.050	914.8	(523.8) 919.0	(541.6) 950.2
Big, 1933	39	04	10.340	318.8	(1542.4) 307.8	(1594.8) 318.3
	76	30	56.126	1349.3	(89.2) 1353.3	(92.2) 1399.3
Blank, 1934* (N.A. 1927 Datum)	39	03	45.460		(448.4) 1402.0	(463.6) 1449.7
	76	34	18.755		(991.4) 451.1	(1025.1) 466.4
Brew, 1934* (N.A. 1927 Datum)	39	03	25.300		(1070.2) 780.2	(1106.6) 806.7
	76	33	57.482		(60.4) 1382.2	(62.5) 1429.2
Brewer, 1933* (N.A. 1927 Datum)	39	01	35.666		(750.4) 1099.8	(775.9) 1137.2
	76	32	05.901		(1301.5) 142.0	(1345.8) 146.8
Byrd, 1933* (N.A. 1927 Datum)	39	02	53.142		(211.5) 1638.7	(218.7) 1694.4
	76	31	52.445		(181.7) 1261.1	(187.9) 1304.0
Cedar 2, 1934* (N.A. 1927 Datum)	39	03	46.633		(412.1) 1438.2	(426.1) 1487.1
	76	33	56.345		(87.7) 1355.0	(90.7) 1401.1
Chapman, 1934* (N.A. 1927 Datum)	39	03	33.911		(804.6) 1045.8	(831.9) 1081.4
	76	32	47.150		(309.1) 1133.6	(319.6) 1172.1
Chase, 1903	39	01	10.209	314.8	(1546.4) 303.8	(1599.0) 314.1
	76	31	10.833	260.6	(1178.9) 264.6	(1219.0) 273.6
Chest, 1933	39	04	44.272	1365.2	(496.0) 1354.2	(512.9) 1400.2
	76	29	35.040	842.2	(596.3) 846.2	(616.6) 875.0

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

(Cont'd)

SHEET NO. 5343

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>
Cross on Catholic Retreat, Manresa 1932	39	00	20.11	620.1	(1241.1) 609.1	(1283.3) 629.8
	76	29	29.49	709.5	(730.3) 713.5	(755.1) 737.8
Cyp 1933	39	04	27.497	847.9	(1013.3) 836.9	(1047.8) 865.4
	76	31	21.220	510.1	(928.3) 514.1	(959.9) 531.6
Del 1933	39	04	52.240	1610.9	(250.3) 1599.9	(258.8) 1654.3
	76	31	04.074	97.9	(1340.5) 101.9	(1386.1) 105.4
Front Chimney Yellow House 1933	39	03	52.20	1609.6	(251.6) 1598.6	(260.2) 1653.0
	76	29	33.20	789.3	(640.5) 802.3	(662.3) 829.6
Helena 1934* (N.A. 1927 Datum)	39	02	26.235		(1041.2) 809.0	(1076.6) 836.5
	76	33	48.533		(275.8) 1167.3	(285.2) 1207.0
High Black Water Tank 1932	39	00	58.633	1808.1	(53.1) 1797.1	(54.9) 1858.2
	76	30	22.947	552.1	(888.0) 556.1	(918.2) 575.0
Hum 1933	39	05	02.066	63.7	(1797.6) 52.7	(1858.7) 54.5
	76	30	38.945	936.0	(502.1) 940.0	(519.2) 972.0
Jacqueline 1932	39	00	32.403	999.2	(862.0) 988.2	(891.3) 1021.8
	76	30	11.780	283.4	(1156.4) 287.4	(1195.7) 297.2
Jit 1934*† (Recoverable topo- graphic station-- Position scaled from topographic sheet.) (N.A. 1927 Datum)	39	04			(1700.2) 150.0	(1758.0) 155.1
	76	34			(611.0) 831.5	(631.8) 859.8

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

† Not shown on compilation.

(continued)

SHEET NO. 5343

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>
Lauringer 1933* (N.A. 1927 Datum)	39	05	23.187		(1135.2) 715.0	(1173.8) 739.2
	76	31	37.520		(540.1) 902.0	(558.5) 932.7
List 1933	39	06	09.632	297.0	(1564.3) 286.0	(1617.5) 295.7
	76	32	14.389	345.8	(1092.0) 349.8	(1129.1) 361.7
Manresa 1932	39	00	16.148	498.0	(1363.2) 487.0	(1409.5) 503.6
	76	29	34.200	822.9	(616.9) 826.9	(637.9) 855.0
Mago 1933	39	04	18.564	572.5	(1288.7) 561.5	(1332.5) 580.6
	76	30	11.776	283.1	(1155.1) 287.1	(1194.4) 296.9
Nett 1934* (N.A. 1927 Datum)	39	02	56.988		(92.9) 1757.5	(96.1) 1817.3
	76	32	16.165		(1054.1) 388.7	(1089.9) 401.9
Pagoda 2 Story 1933	39	04	18.33	565.2	(1269.1) 554.2	(1340.2) 573.0
	76	30	27.32	656.9	(781.6) 660.9	(808.2) 683.4
Poole 1934* (N.A. 1927 Datum)	39	01	54.632		(165.6) 1684.6	(171.2) 1741.9
	76	32	53.451		(157.5) 1285.6	(162.9) 1329.3
Quin 1934*† (Recoverable Topo- graphic station-- Position scaled from topographic sheet.) (N.A. 1927 Datum)	39	04			(1630.2) 220.0	(1685.6) 227.5
	76	34			(1132.3) 310.0	(1170.8) 320.5
Sharp 2 1934* (N.A. 1927 Datum)	39	03	13.409		(1436.9) 413.5	(1485.7) 427.5
	76	33	39.609		(490.3) 952.5	(507.0) 984.9

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

† Not shown on compilation.

(continued)

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CONTROL DATA
(cont'd)

	North American Datum				1927 Datum	X Scale Factor
	°	'	"	m.	m.	m.
Ridgeway, Standpipe	39	01	25.66		(1058.9)	(1094.9)
1933*					791.3	818.2
(N.A. 1927 Datum)	76	30	32.49		(661.8)	(684.3)
					781.6	808.2
Valentine 1933*	39	02	42.898		(527.4)	(545.3)
(N.A. 1927 Datum)					1322.8	1367.8
	76	33	27.133		(790.5)	(817.4)
					652.6	674.8
Ward 1933	39	04	41.717	1286.4	(574.0)	(593.5)
					1275.4	1318.8
	76	30	14.828	356.4	(1082.1)	(1118.9)
					360.4	372.7
Weems 1903 r'32	39	00	20.068	618.8	(1242.4)	(1284.6)
					607.8	628.5
	76	30	26.286	632.6	(807.2)	(834.6)
					636.6	658.2
West Gable, Pavil-	39	04	19.52	602.1	(1259.3)	(1302.1)
ion Mago Vista					591.1	611.2
1933	76	30	08.23	197.8	(1240.6)	(1282.8)
					201.8	208.7

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

DESCRIPTIVE REPORT

To Accompany

PHOTO COMPILATION SHEET NO. 5343

Upper Severn and Magothy Rivers
Chesapeake Bay; ~~Anne Arundel County Maryland; Upper Part of~~
~~Magothy River to Round Bay Area of the Severn River.~~

- - - -

1. GENERAL INFORMATION:

- (a) Refer to Title Sheet.
- (b) Refer to Statistics Sheet.
- (c) No general report covering the area is available. The area extends from the 76° 30' meridian on the east to the 76° 34' meridian on the west and from approximately the 39° 00' 30" parallel on the south to approximately the 39° 06' 45" parallel on the north. The entire area is hilly and is covered almost entirely by trees. The few small areas which are not otherwise shown are cultivated fields.
- (d) The following photographs were used in plotting this sheet:
(Only photographs 516 to 536 were used in tracing this area).

<u>Photo Numbers</u>	<u>Flight Strip Location</u>	<u>Date</u>	<u>Time</u>	<u>Stage of Tide</u>
516 to 537	From Hawkins Point on Patapsco River south to Chesapeake Beach	4-28-34	11:20 AM to 1:00 PM	Low Tide. The tidal difference for this area is less than one foot.
673 to 695	From Marley Creek on the Patapsco River south to Chesapeake Beach	5-18-34	9:45 AM to 1:50 PM	High Tide. The tidal difference for this area is less than one foot.

- (e) Refer to Statistics Sheet.

2. CONTROL:

- (a) Sources:

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

The triangulation stations were obtained from the progress sketches of the following Chiefs of Parties:

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Lieut. John A. Bond - - - - Magothy River 1933
 Comdr. L.O. Colbert - - - - Severn River 1932
 Lieut. Roland D. Horne - - Project No. G-113 1933
 Lieut. John A. Bond - - - - Severn River 1934

Station "Chase 1903" was obtained from "Triangulation in Maryland". control stations

The ~~triangulation~~ stations obtained from the progress sketches of Lieut. Roland D. Horne 1933 and Lieut. John A. Bond Severn River 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: To change North American Datum to North American 1927 Datum, subtract 11 meters from the forward latitude position and add 4 meters to the forward longitude position.

(b) Errors:

No errors in control were found by photo-plot.

The stations "Ward 1933", "Mago 1933" and "Jacqueline 1932" fall in the outer edge of the wing prints and could not be accurately pricked on the photographs. They were disregarded in running the plot.

(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 the Magothy River in the vicinity of North Ferry Point and South Ferry Point, the pictures were very dim and badly distorted. In this area the shore line as shown on Topographic Sheet Register No. 6038 was very carefully followed as a guide in plotting the pictures. The same applies to the small section of Blackhole Creek which is found just north of North Ferry Point. No other adjustment of plot was necessary.

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(c) Interpretation:

No difficulties in interpreting the photographs were encountered. The heights of bluffs as shown on the over lay sheet are the heights as estimated by the field party. *(See review at back for values of these estimated height of bluff.)*

(d) Information from other sources:

L. Ann.

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

(e) Conflicting names:

✓ Severna Park is called Boon on the U.S. Geological Survey, Relay Quadrangle. The name Severna Park is a more recent name and should be used on all charts.

✓ Martin's Pond, shown on the U.S. Coast and Geodetic Topographic Sheet Register No. 2629 as Hammond Fish Pond. According to inhabitants of the section the name should be Martin's Pond.

✓ It is recommended that the names Severna Park and Martin's Pond be used.

Additional names:

✓ Indian Village, shown on the U.S. Coast and Geodetic Survey Topographic Sheet Register No. 6038, but does not appear on existing charts. It is recommended that this name be added to the charts.

The following names do not appear on existing charts. Some of these are recent real estate developments and it is recommended that all the following names be added to the charts:

- ✓ Riverdale.
- ✓ Crystal Beach.
- ✓ Lago Vista.
- ✓ Severn Heights.
- ✓ Joyce.
- ✓ Sherwood Forest.

4. COMPARISON WITH OTHER SURVEYS:

- (a) The junction on the east with Photo Compilation No. 5340 has been checked with proportional dividers and is satisfactory. The junction on the north with Photo Compilation No. 5342 and on the south with Photo Compilation No. 5344 is satisfactory in both cases. As yet no sheet has been compiled to join this compilation on the west.

The field party making topographic survey T-6038 has recommended a landmark located by plane table, Sta. "Clock, N. end Crystal Beach Pavilion". The position for this landmark is given on Form 567 with the desc. report T-6038. This position has been transferred to the compilation.

L.A.M.
6/3/55.

* This estimated value of probable error of 3 and 5 meters, respectively, is rather low. A more reasonable estimate of the probable error for positions of well defined detail would be from 5 to 8 meters.

L.A.M.

✓

12.

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This compilation has been compared with U.S. Coast and Geodetic Survey Topographic Sheets Register Nos. 6038, 2629, 2630, and with U.S. Geological Survey Quadrangles.

- (b) The last previous survey of the Severn River in this vicinity was made approximately 30 years ago. In this area small changes have occurred in the shore line at the points listed below. These changes show very plainly on the photographs and it is recommended that the shore line as shown on this compilation be accepted as correct.
- ✓ Coolspring Cove.
 - ✓ Chase Creek.
 - ✓ Rays Pond.
 - ✓ Aisquith Creek.
 - ✓ Yantz Creek.
 - ✓ Long Point.
 - ✓ Western Side of St. Helena Island.
 - ✓ Shore of Little Round Bay just south of St. Helena Island.
 - ✓ Brewer Pond.
 - ✓ Brewer Point.
 - ✓ Clements Creek.
 - ✓ Martin's Pond.
 - ✓ Cypress Creek near the head of the Creek.

5. LANDMARKS: (*See opposite page.*)

- (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 area 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.

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 opp. page.*)
- (b) The work is complete and reliable and is within the range of accuracy required.

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7. RECOVERABLE OBJECTS:

There are no permanently marked topographic stations within the tracing area of this sheet.

Respectfully submitted,

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

Survey No. T-5343

GEOGRAPHIC NAMES

Date. Jan. 24, 1935.Chart No. 1226
1225Names approved Jan. 24, 1935.

Diagram No. _____

* 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.

Status	Name on Survey	Name on Chart	New Names in local use	Names assigned by Field	Location
	✓ <u>Riverdale</u>		Riverdale	Same	
	✓ <u>Old Man Creek</u>	Same	U.S.G.S. Relay Quad.		
	✓ <u>Cattail Creek</u>	"	"		
	✓ <u>Falcon Point</u>	T-6038			
	✓ <u>Boundary Stone Point</u>	T-6038			
	✓ <u>Indian Village</u>	U.S.C. & G.S. sheet T-6038		Same	
	✓ <u>Cockey Creek</u>	Same	U.S.G.S. Relay Quad		
	✓ <u>Magothy River</u>	"	"		
	✓ <u>Ross Cove</u>	"			
	✓ <u>Pea Patch Point</u>	T-6038			
	✓ <u>Hendersons Point</u>	T-6038			
	✓ <u>North Ferry Point</u>	"	"		
	✓ <u>South Ferry Point</u>	"	"		
	✓ <u>Mago Vista</u>		Mago Vista	Same	
	✓ <u>Stony Point</u>	"			
	✓ <u>Crystal Beach</u>		Crystal Beach	Same	
	✓ <u>Cypress Creek</u>	"	"		
	✓ <u>Severna Park</u>	Boon U.S.G.S. U.S. Postal Guide, July, 1934 Severna Park		Same	
	✓ <u>Robinson</u>	U.S.G.S.			
	✓ <u>Arnold Point</u>	U.S. Postal Guide, July, 1934, and U.S.G.S.			
	✓ <u>Yantz Creek</u>	"	"		
	✓ <u>Cedar Point</u>	"	"		
		Cont. on page 2.			

GEOGRAPHIC NAMES

Date. Jan. 24, 1935.MarylandChart No. 12251225Names approved Jan 24, 1935.

Diagram No. _____

Helen M. Strong

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

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

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

Status	Name on Survey	Name on Chart and maps	New Names in local use	Names assigned by Field	Location
	✓ <u>Severn River</u>	Same U.S.G.S.			
	✓ <u>Sullivan Cove</u>	" "			
	✓ <u>Eagle's Nest Point</u>	" "			?
	✓ <u>Round Bay</u>	" "			
	✓ <u>Washington, Baltimore and Annapolis R. R.</u>	" " Annapolis, Washington and Baltimore R.R.			
	✓ <u>Jones</u>	Rand McN. Com. At. 1934 U.S.G.S.			
	✓ <u>Allenville</u>	Same Ch. 549	"		
	✓ <u>Dividing Creek</u>	"	"		
	✓ <u>Mill Creek</u>	"	"		
	✓ <u>Little Round Bay</u>	"	"		
	✓ <u>St. Helena Island</u>	"	"		
	✓ <u>Long Point</u>	"	"		
	✓ <u>Round Bay TOWN</u>	"	"		
	✓ <u>Swan Point</u>	"	"		
	✓ <u>Arnold Point</u>	---	"		
	✓ <u>Ringold Cove</u>	" <u>Ringold Cove</u> " (see 6N)			
	✓ <u>Severn Heights</u>	R. McN. Com. At. 1934	Severn Heights Same		
	✓ <u>Revell</u>	" "			
	✓ <u>Aisquith Creek</u>	Same "			
	✓ <u>Joyce</u>	" R. McN. op cit			
	✓ <u>Brewer Pond</u>	" "			
	✓ <u>Sherwood Forest</u>	-- Rand McN. Com. At. 1934; U.S. Postal Guide, July, 1934			

Cont. on page 3.

(M 100)

Date. Jan. 24, 1935

Chart No. 1226

Names approved Jan. 24, 1935.

Diagram No.

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

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-5343.

1/10,000 scale.

1. Comparison with Plane Table Survey T-6038 (1933) Scale 1:10,000.

T-6038 was surveyed about ~~five months before~~ *the same time* the photographs were taken and covers the area along the Magothy River from ~~Piney Neck~~ *Park Point* to the upper limits of this compilation. T-6038 shows in addition to the shore line detail, practically all buildings along the water front, vegetation and sections of roads.

There are numerous differences in size and location of buildings between this compilation and T-6038 amounting to from 1/2 to 1 1/2 mm. Buildings on T-6038 are generally too large. The accuracy of location of the buildings on T-6038 is estimated at from 3/10 to 1 mm. A careful examination has been made by comparison of the compilation with both T-6038 and the photographs. West of longitude 76° 31.5' detail on the compilation is near the center of the photographs and buildings have been plotted generally within 1/2 mm of their correct position and closer to actual size than shown on T-6038. A few minor changes have been made to the compilation in this area. East of longitude 76° 31.5' the photographs are entirely too dim for accurate location of buildings. In this area the compilation has been corrected to agree more closely with the plane table position of the buildings.

There are numerous shore line differences between T-6038 and this compilation amounting to from 3/10 to 1 mm. The photographs have been examined and the shore line on the compilation has been corrected in several places to agree with the plane table survey because of dimness of the photographs and lack of adequate field inspection notes. These corrections to the compilation were mainly in the following localities: 39° 05.2'; 76° 32.8'; 39° 05.8'; 76° 32.6'; 39° 06.6'; 76° 32.4'; 39° 04.0'; 76° 32.0' and practically the entire length of Cockey Creek.

The following changes have occurred since the date of T-6038:- The erection of a large building on South Ferry Point, the ~~addition~~ *removal* of a pier just west of South Ferry Point, the ~~addition~~ *removal* of a pier at Stoney Point, *also the removal of several small boat wharves in other places along the Magothy River.*

The remaining differences between this compilation and T-6038 are accounted for largely as plane table errors. The compilation as now completed contains all detail on T-6038 except temporary plane table positions and the magnetic declination. The positions of detail shown on the compilation as now corrected are accepted in preference to T-6038. The accuracy of location of buildings on this compilation is estimated at from 1/2 to 1 mm.

T-2629 (1903). This is a topographic survey on 1:10,000 scale made 32 years ago. It covers the south shore of the Severn River from Little Round Bay to Annapolis. There have been remarkably few large changes of shoreline since the time of T-2629. New roads and other changes of culture have been made. Except for the contours T-2629 is superseded by this compilation for the area in common.

T-2630 (1903). This is a topographic survey on 1:10,000 scale made 32 years ago. It covers the north shore of the Severn River from Forked Creek to Brice Point. There have been remarkably few large changes of shoreline since the time of T-2630. New roads and other changes of culture have been made. Except for the contours T-2630 is superseded by this compilation for the area in common.

2. Comparison with the Charts.

Chart No. 1226.

The beacons in the Severn River at Cedar Point and Long Point are not shown on this compilation for they cannot be identified on the photographs of this area.

General:

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

Severn River:

Between Cedar Pt. and Eaglenest Point	40 to 50 feet
" Eaglenest Pt. and Arnold Pt.	40 to 60 feet
" Arnold Pt. and Rays Pond	10 feet 100 feet.
" Rays Pond and Chase Creek	40 to 60 feet
" Chase Creek and Coolspring Cove	40 to 80 feet
St. Helena Island	40 feet
Long Point	10 to 15 feet
Brewer Pond to Brewer Point	40 feet
Brewer Pt. to Martons Pond	20 to 25 feet

Magothy River:

North Ferry Point	30 feet
Hendersons Point	30 feet
Ross Cove to Cockey Creek	10 feet.

✓ B. G. Jones.
L. A. Kutsan
July 16, 1935.

REVIEW OF AIR PHOTO COMPILATION NO. 5343

Chief of Party: *J.C. Partington*Compiled by: *A.V. Merkel*Project: *HT 175*Instructions dated: *Mar. 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 by this party.
See Descriptive Report Par. 3 (b)
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. ✓
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)

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)
No recoverable^{marked} objects. ✓
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).
See Form 567 attached to Descriptive Report. ✓
- ~~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. 16e).~~
No bridges of importance to navigation 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) ✓
13. The geographic datum of the compilation is *North American 1927* and the reference station is correctly noted. (*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:

Reviewed in office by: Lemard A. McGowan July 16, 1935.
B.G. Jones

Examined and approved:

C. H. Green
Chief, Section of Field Records

L. O. Pollock
Chief, Division of Charts

T. S. Borden
Chief, Section of Field Work

G. H. Hude
Chief, Division of Hydrography
and Topography.

DEPARTMENT OF COMMERCE
U.S. COAST AND GEODETIC SURVEY

LANDMARKS FOR CHARTS

Baltimore, Md.

January 17 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.

5342

CHECK LIST FOR AIR PHOTO SHEET NO. T-5343

1. Sheet indexed.
2. Datum note correct and degrees and minutes correctly marked.
3. Names compared with charts or G.S. quadrangle sheets and list of new names and conflicting names prepared.
4. Symbols and detail clear for printing.
5. Station points marked by fine black dots.
6. Described 0 stations marked by (d).

5339

7. Junctions with other sheets correct.
8. Compared with other surveys and with charts.
9. Compared descriptions of all stations on Form 524 and transferred positions from plane table where necessary.

10. Projection correct.

5422

11. Checked aids and landmarks against chart and flight list.

12. Stick up and lettering complete

(a) Station names of proper size and type

(b) Title block complete

(c) Type, clearance and span of bridges shown

5340

(d) Datum note states whether adjusted, unadjusted control

(e) Sufficient names to make sheet clear and easy to read

(f) Numbers at upper left and lower right corners of sheet (Ex. T-5030)

13. Sent to printer.

14. Proof checked.

15. Review completed

(a) Title complete

(b) Statistics complete

(c) Job sheet

5344

- (d) General description of country ✓
 - (e) Time and date of photos ✓
 - (f) Errors in ^{work} control and strength of plot discussed ✓
 - (g) Accuracy of location given (discussed review if desirable) ✓
 - (h) New and conflicting names discussed ✓
 - ~~(i) Bridge data complete~~
 - (j) Landmarks ✓
 - (k) Descriptions on 524 ~~filed in accordance~~ with memo. to Galef, Field Records, of August 21, 1934 ✓
 - (l) Changes in important detail discussed ✓
 - (m) Effect of tide variation taken into account ✓
 - (n) Only recoverable stations to be shown as ~~on~~ the copies printed for sale ✓
 - (o) Temporary 0 stations shown on celluloid only with note in the report ✓
 - (p) Review list sheets compared ✓
 - (q) Statement in review as to method of location of H.W. line on sand beaches ✓
 - (r) If desirable, note in review date of additional ground surveys ✓
- ✓16. Whatman's copy ordered.
17. Filed and chart copies ordered.