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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. 5424
State <u>Maryland</u>	
LOCALITY	
<u>Chesapeake Bay, W. Shore</u>	
<u>to</u>	
<u>Bedkin Point and Rock Point</u>	
<u>Rock Point to Bodkin Point</u>	
Project No. <u>WT 175</u>	
<u>1935</u>	
CHIEF OF PARTY	
<u>J. C. Partington</u>	<u>Jr. H. & G. E.</u>

U. S. GOVERNMENT PRINTING OFFICE: 1934

Applied to New Comp. of Chart 549 May 23 1939 Chas R Bush Jr

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

REG. NO.

AIR PHOTO
TOPOGRAPHIC TITLE SHEET

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

Field No. 5424

REGISTER NO.

State Maryland

General locality Chesapeake Bay

Locality ~~West Shore; Bodkin Point and~~ Rock Point to Bodkin Point

Date of Photographs November 28, 1935

Scale 1:10,000 Date of ~~Survey~~ ^{Compilation} March 7, 1935

Vessel Photo Compilation Party # 25

Reviewed and recommended for approval

Chief of party Lieut. (j.g.) J.C. Partington, March 14, 1935

Photographs plotted by R.D. Cross & S.M. Stoler, Nov. 22, 1934
~~Surveyed by~~

Inked by J.F. Burns March 7, 1935

Heights in feet above _____ to ground to tops of trees

Contour, Approximate contour, Form line interval _____ feet

Instructions dated March 14, 1934, 19 _____

Compilation of aerial photographs:

Remarks: Nos. 290-293; 356-361; 362-372

-STATISTICS-

on

SHEET, FIELD NO. 5424, REG. NO. T-5424

290 to 293

PHOTOS, NO. 356 to 361

362 to 372

DATE OF PHOTOGRAPHS November 28, 1933

10:35 A.M. to 1:00 P.M.

	BY	FROM	DATE TO
ROUGH RADIAL PLOT	<i>R.D. Cross</i> R.D. Cross & E.C. Broadwell	5-15-34	6-20-34
SCALE FACTOR (0.956)	<i>R.D. Cross</i> R.D. Cross & E.C. Broadwell	6-2-34	6-20-34
SCALE FACTOR CHECKED	<i>J.C. Parryington</i> J.C. Parryington	6-21-34	6-21-34
PROJECTION	<i>W.V. Sulkowski</i> W.V. Sulkowski	10-23-34	10-23-34
PROJECTION CHECKED	<i>R.D. Cross</i> R.D. Cross	10-23-34	10-23-34
CONTROL PLOTTED	<i>W.V. Sulkowski</i> W.V. Sulkowski	10-23-34	10-24-34
CONTROL CHECKED	<i>R.H. Young</i> R.H. Young	10-25-34	10-25-34
TOPOGRAPHY TRANSFERRED	No recent work available.		
TOPOGRAPHY CHECKED			
SMOOTH RADIAL LINE PLOT	<i>R.D. Cross</i> R.D. Cross & S.M. Stoler	11-20-34	11-22-34
RADIAL LINE PLOT CHECKED	<i>R.D. Cross</i> R.D. Cross	11-23-34	11-23-34
DETAIL INKED	<i>J.F. Burns</i> J.F. Burns	1-29-35	3-7-35

AREA OF DETAIL INKED 7.3 sq. Statute Miles (Land Area)

AREA OF DETAIL INKED .01 sq. Statute Miles (Shoals in Water Area)

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

11.04 Statute Miles

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

9.72 Statute Miles

LENGTH OF STREETS, ROADS, TRAILS, R.R., etc. 37.4 Statute Miles

GENERAL LOCATION Maryland, Chesapeake Bay

LOCATION ~~West Shore~~, Bodkin Point ~~to~~ Rock Point

DATUM North American 1927

STATION Bodkin Pt. 2 1933 Latitude 39° 07' 29.985" = 924.7 m.
Longitude 76° 26' 03.211" = 77.1 m.

Field Computations

SHEET NO. 5424

SCALE FACTOR COMPUTATIONS

- - - -

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

Average Scale Factor
for Sheet = .955

Scale factor of 0.956 was used in order to make junction with adjoining sheets and permit entire flight to be plotted at one time.

SHEET NO. 5424

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 r'33		Purse 1906 r'33	3318	3490	.951
Skid 1933		Purse 1906 r'33	1715	1813	.946
Skid 1933		Baltimore L.H. 1918 r'33	2489	2611	.953
Son 1933		Baltimore L.H. 1918 r'33	2446	2584	.947
Son 1933		Purse 1906 r'33	2447	2565	.954
Rude 1933*		Baltimore L.H. 1918 r'33	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. 5424

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 (290-293) 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. 5424

SCALE FACTOR COMPUTATIONS

Photos 319-361

- - -

<u>Station</u>	<u>to</u>	<u>Station</u>	<u>Measured Distance</u>	<u>Computed Distance</u>	<u>Scale Factor Meas./Comp.</u>
South Chimney Red-roofed house 1932		Acre 1933	7290	7569	.963
Acre 1933		Purse 1906 r'33	2297	2392	.960
Acre 1933		Pavilion 1933	2415	2515	.960
Purse 1906 r'33		Center Chimney, La- brot house, red brick Crabbing Cr. 1932	5345	5521	.968
Center Chimney, Labrot house, red brick, Crab- bing Cr. 1932		South Chimney Red-roofed house 1932	4858	5039	.964
Center Chimney, Labrot house, red brick, Crabbing Cr. 1932		Green 1932 r'34	3812	3951	.965
South Chimney Red-roofed house 1932		Annapolis High Pow- er Radio Tower No. 1 1932 r'33	2345	2453	.956
Disposal Plant Chy.1915 r'33*		Field 1903 r'32	3934	4118	.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

This average scale factor is computed for the entire flight but only part of this flight (356-361) falls on the tracing area of this sheet.

Triangulation stations marked (*) fall on this sheet.

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

SHEET NO. 5424

SCALE FACTOR COMPUTATIONS

Photos 362-403

- - - -

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

(cont'd)

SHEET NO. 5424

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	2458	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. 5424

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	.949

Average Scale Factor = .957

This average scale factor is computed for the entire flight but only part of the flight (362-372) 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. 5424

CONTROL DATA

Station	North American Datum				1927 Datum	x Scale Factor
	°	'	"	m.	m.	m.
Bodkin Point 2 1933* (N.A. 1927 Datum)	39	07	29.985		(925.6)	(884.9)
	76	26	03.211		924.7 (1364.3) 77.1	884.0 (1304.3) 73.7
Disposal Plant Chy. 1915 r'33	39	07	47.25	1457.1	(404.2)	(386.4)
	76	26	56.21	1350.1	1446.1 (87.3) 1354.1	1382.5 (83.5) 1294.5
Kip 1933	39	08	01.875	57.8	(1803.5)	(1724.1)
	76	25	32.047	769.7	46.8 (667.4) 773.7	44.7 (638.0) 739.7
Rock Point 1906	39	09	59.281	1828.2	(33.1)	(31.6)
	76	27	00.246	953.7	1817.2 (483.1) 957.7	1737.2 (461.8) 915.6
Rude 1933	39	06	17.357	535.3	(1326.0)	(1267.7)
	76	25	52.797	1268.6	524.3 (169.2) 1272.6	501.2 (161.8) 1216.6
Boyd 1934 * (N.A. 1927 Datum)	39	08	27.541		(1001.0)	(956.9)
	76	26	51.244		849.3 (210.3) 1230.8	811.9 (201.0) 1176.6
Stony 1934 * (N.A. 1927 Datum)	39	10	19.849		(1238.2)	(1183.7)
	76	30	44.195		612.1 (379.4) 1061.0	585.2 (362.7) 1014.3
Tank Ft. Smallwood 1934 * (N.A. 1927 Datum)	39	09	45.218		(455.8)	(435.8)
	76	28	58.557		1394.4 (34.7) 1406.1	1333.1 (33.1) 1344.3
Smallwood (H.B.) 1915	39	10	00.60	18.4	(1842.8)	(1761.7)
	76	28	43.13	1035.3	7.4 (401.0) 1039.3	7.1 (383.3) 993.6

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

11.

DESCRIPTIVE REPORT

To Accompany

PHOTO COMPILATION SHEET NO. 5424

Chesapeake Bay: West Shore; Bodkin Point and Rock Point

Instructions Dated March 14, 1934

1. GENERAL INFORMATION: *

(a) Title. Refer to title sheet.

(b) Statistics. Refer to statistics sheet.

(c) No general report covering this area is available. The area is bounded by the Patapsco River on the north, Chesapeake Bay on the east, the $39^{\circ} 07' 00''$ parallel on the south, and the $76^{\circ} 30' 00''$ meridian on the west.

At practically every point along the shore line there is a bluff which rises abruptly and varies in height up to approximately 20 feet. The inland section is somewhat hilly, especially in the western part, and it is covered by wooded areas 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>
290 to 293	North and south between the $76^{\circ} 26' 00''$ and the $76^{\circ} 27' 00''$ meridians.	11-28-33	10:35 AM to 1:00 PM	High-- 9:47 AM Low--- 4:30 PM
356 to 361	North and south between the $76^{\circ} 27' 00''$ and the $76^{\circ} 28' 00''$ meridians	11-28-33	10:35 AM to 1:00 PM	High-- 9:47 AM Low--- 4:30 PM
362 to 372	North and south between the $76^{\circ} 29' 00''$ and the $76^{\circ} 30' 00''$ meridians	11-28-33	10:35 AM to 1:00 PM	High-- 9:47 AM Low ---4:30 PM

(e) Refer to statistics sheet.

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 ~~progress sketches~~ ^{notes} of the following Chiefs of Parties.

(*) 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

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Lieut. (j.g.) J.C. Partington	Patapsco River, 1934
Lieut. John A. Bond	Magothy River, 1933
Lieut. Roland D. Horne	Project No. G-136, 1933

Also stations "Rock Point 1906" and "Smallwood (H.B.) 1915" were obtained from the publication "Triangulation in Maryland."

The triangulation stations ~~obtained from the progress~~ *established by sketches of* Lieut. Roland D. Horne and Lieut. (j.g.) J.C. Partington were on North American 1927 Datum. The other stations were adjusted to North American 1927 Datum by applying the following correction furnished by the Washington Office: From the forward latitude position subtract eleven meters and to the forward longitude position add four meters.

(b) Errors:

All the triangulation stations shown on the celluloid were used in running the plot and no error was discovered in the position of any station.

(c) Discrepancies:

No discrepancies in position of any control station established by other organizations were found.

3. COMPILATION:(a) Method:

The usual radial line plot was used to determine the position of all radial points. To assist in running the plot the triangulation station "White 1915" was plotted. This station is lost but the field party succeeded in locating a cross cut into the rock which is described in Triangulation in Maryland as being 1 foot from the station. This point is so close to the true position of the station that it was pricked on the photographs and used in running the plot. However, the actual station marker is lost and for this reason the station is not shown on the celluloid. A recovery note will be sent in later.

(b) Adjustment of plot:

Good intersections were obtained for the radial points and no adjustment of plot was necessary.

(c) Interpretation:

The wing pictures of the photographs in this section are unusually dim and it is very difficult to trace detail unless it falls close to the "B" print. Practically all of the area is very near a "B" print except a narrow strip which runs north and

DESCRIPTIVE REPORT

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south along the 76° 28' 00" meridian. The section of Main Creek and Back Creek which falls in this strip is very dim on the photos and considerable difficulty was encountered in tracing the houses and docks along the shore. Possibly some of the houses have been left out but it is believed that the detail of importance is accurately shown on the compilation.

(d) Information from other sources:

All the information shown on the compilation except names was obtained directly from the photographs.

(e) Conflicting Names:

Most of the names appearing on this compilation were obtained from U.S. Coast and Geodetic Survey Charts; U.S. Coast and Geodetic Survey Topographic Sheet Register No. T-2286 and U.S. Geological Survey Quadrangles. Following is a table showing discrepancies which were noticed in the names taken from these sources. These discrepancies should be submitted to the Geographic Board for a decision as to the correct name:

<u>U.S. Coast and Geodetic Survey Chart</u>	<u>U.S. Coast and Geodetic Survey, Topographic Sheet No. T-2286</u>	<u>U.S. Geological Survey</u>
Wall Cove /	Walls Cove	- - -
Boyd Pond /	Boyds Pond	Boyd Pond
Perry Cove	Perrys Cove	- - -
Black Creek Point	Back Creek Point	- - -
The Hammock /	The Hummock	- - -
Jubb Cove /	Jubbs Cove	- - -
- - -	- - -	Hog Neck

Additional Names:

Following is a list of names which do not appear on U.S. Coast and Geodetic Survey Charts at present. These names should be added to the charts:

Paradise Beach
Hog Neck
Bay Side Beach
Pinehurst
Venice on the Bay
Alpine Beach.
Fort Smallwood

*See letter attached at back regarding
these names*

Note:

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

B.G. Jones

DESCRIPTIVE REPORT

SHEET NO: 5424

- - - -

4. COMPARISON WITH OTHER SURVEYS:

- (a) The only available topographic sheet of this area is U.S. Coast and Geodetic Survey, Topographic Sheet Register No. T-2286. This sheet was prepared approximately 40 years ago and considerable change has taken place in both the shore line and the inland detail. For this reason the photo compilation does not closely check the topographic sheet and a comparison between the two will be of no value. In general the positions of the various creeks etc. check very accurately on the two sheets but the shore line and inland detail has changed considerably. It is recommended that the photo compilation be accepted as correct.

This compilation was also compared with Geological Survey Quadrangles covering this area. Also, the junctions with adjoining sheets were examined and are satisfactory.

5. LANDMARKS:

- (a) At present the triangulation station "Disposal Plant Chimney 1915, r'33" is a charted landmark. Triangulation station "Tank Ft. Smallwood, 1934" was reported as a new landmark under date of December 28, 1934 after completion of the triangulation scheme Patapsco River 1934 by Lieut. (j.g.) J.C. Partington.
Copies of Form No. 567, Landmarks for Charts, are enclosed.
- (b) No additional objects show with sufficient prominence under the stereoscope to be recommended 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 of final page*
- (b) The width of roads has been exaggerated where necessary to procure well defined lines when the sheet is reproduced.
Only houses located where they may be of value for hydrography have been shown.

7. RECOVERABLE OBJECTS:

There are no recoverable topographic stations in this area and the field party did not submit any descriptions of objects on Form No. 524 for this area.

Respectfully submitted,

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

Date. March 29, 1935. GEOGRAPHIC NAMES

Survey No. T-5424

Chart No. 1226 549.

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>Paradise Beach</u>	none.	/	/	
	<u>Hog Neck</u>	none.	U.S.G.S	TOLCHESTER	North Pt. Quad.
	<u>Bay Side Beach</u>	none	/	/	
	<u>Pinehurst</u>	none	/	/	
	<u>Venice on the Bay</u>	none.	/	/	
	<u>Alpine Beach</u>	none.	/	/	
	<u>Fort Smallwood</u>	none.	U.S.G.S	/	
	<u>Boyd Pond</u>	Same ch 549.	U.S.G.S	"	
	<u>White Pond</u>	do.			
	<u>First Cove</u>	do			
	<u>Second Cove</u>	do			
	<u>Graveyard Pt.</u>	do			
	<u>Jubb Cove</u>	do			
	<u>Goose Cove</u>	do			
	<u>The Hammock</u>	do	Sheet T2286	spells this	HUMMOCK etc
	<u>Spry Point</u>	do			
	<u>Ashlar Pond</u>	do			
	<u>Perry Cove</u>	do			
	<u>Old House Cove</u>	do			
	<u>Back Creek Pt.</u>	Black Creek Pt.	Note. This is evidently an error in spelling. G.A.G.		
	<u>Fairview</u>				
	<u>White Rocks</u>	#549			

Date March 29, 1935 **GEOGRAPHIC NAMES**

Survey No. T-5424

Chart No. 1226, 549

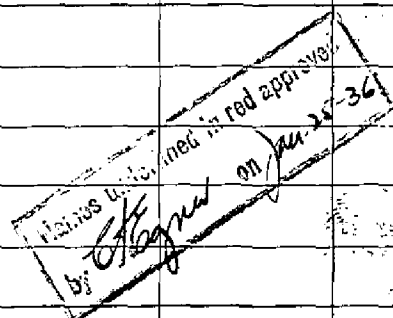
Diagram No. 77

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>Patapsco River</u>	same ch. 1226, 549			
	<u>Spit Neck</u>	do			
	<u>Rock Point</u>	do			
	<u>Bodkin Point</u>	do			
	<u>Bodkin Creek</u>	do			
	<u>Cedar Point</u>	do			
	<u>Frankie Point</u>	do			
	<u>Old Landen Point</u>	do			
	<u>Hickory Point</u>	do			
	<u>Back Creek</u>	do			
	<u>Main Creek</u>	do			
	<u>Mathias Cove</u>	do			
	<u>Orchard Point</u>	do			
	<u>Old Bee Point</u>	do			
	<u>Locust Cove</u>	do			
	<u>Bodkin Neck</u>	do			U.S.G.S. TOLCHESTER QUAD.
	<u>Wharf Creek</u>	do			
	See following page.				
	<u>Big Marsh Point</u>				
	<u>Wall Cove</u>	same Ch 1226, 549			
	<u>Sams Cove</u>				
	<u>Little Marsh Point</u>				
	<u>Chesapeake Bay</u>				



DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

LANDMARKS FOR CHARTS

Baltimore, Md.

March 15 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 this object 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, flagstuffs and like objects are not sufficiently permanent to chart.

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

New LANDMARKS FOR CHARTS

Baltimore, Md.

December 28 1934

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 this object 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, flagstaves and like objects are not sufficiently permanent to chart.

REVIEW OF AIR PHOTO COMPILATION NO. T-5424.

Chief of Party: J.C. Partington

Compiled by: J.F. Burns

Project: HT 175

Instructions dated: March 14, 1934

1. The charts of this area have been examined and topographic information necessary to bring the charts up to date is shown on this compilation. (Par. 16a, b, 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) *Changes given under comparison with charts at end of review.*

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 used.

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 from other sources 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.
Compared with Topographic Sheet No T-2286, which was made in 1897 and 1898.

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)
Highwater line on sand beach traced 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)~~
No recoverable objects submitted.

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)
Duplicate of Forms 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. 16c)~~
No bridges shown.

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) ✓
North Point Quadraugle available for geographic name comparison.

13. The geographic datum of the compilation is *North American 1927* and the reference station is correctly noted. *Datum station 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:

see following page.

Reviewed in office by: Leonard A. McKean
B. J. Jones

Examined and approved:

K. T. Adams
Asst Chief, Section of Field Records
Division of Charts
L. O. Colburn
Chief, Division of Charts

L. O. Borden
Chief, Section of Field Work
G. H. Hulse
Chief, Division of Hydrography
and Topography.

Review of Air Photo Compilation No. T-5424

Projection.

The projection of this compilation was tested and found to be satisfactory.

Bluffs.

The heights of bluffs as estimated by the field inspection party in the following localities are given below. These elevations are not for definite positions and are not shown on the compilation.

Pinehurst to Bodkin Point	20 to 30 feet
Cedar Point to Tubb Cove	8 to 10 feet
Main Creek	10 to 20 feet
Back Creek	10 to 20 feet
Spit Point to Back Creek Pt.	8 feet
At Bay Side Beach	25 feet
At Alpine Beach	10 feet
At Rock Point	10 feet
At Fairview	15 feet
At Wall Cove	10 to 25 feet

Comparison with Other Surveys.

(a) Chart No. 549, No. 1226. The following detail shown on this compilation does not at present appear on these charts.

1. A wreck in Wall Cove, latitude $39^{\circ} 09'$, longitude $76^{\circ} 29.9'$.
2. Wrecks at Spit Point latitude $39^{\circ} 07'$, longitude $76^{\circ} 26.75'$.
3. Wreck offshore at Pinehurst, latitude $39^{\circ} 07.05'$, longitude $76^{\circ} 25.95'$.

(b) Old Topographic Surveys T-306 (1855); T-2286 (1897): The compilation is complete and adequate to supersede the portions of these older surveys which it covers. The shoreline differences between T-2286 and this compilation were noted at prominent places. In all cases the shoreline on the compilation fell inside the shoreline shown on T-2286, showing that erosion took place since the time of T-2286. The differences are noted as follows:

1. At Frankie Point between 0 and 80 meters.
2. At Rock Pt. (just to left of extreme point), between 0 and 100 meters
3. At Bodkin Point a maximum difference of 60 meters.

The narrow neck of land at Bodkin Pt. has been cut thru forming an island here. Other changes consist of new construction of roads and beach developments.

A number of the buildings on this compilation have been relocated in this office after drawing the bases of the buildings on the photographs under the stereoscope. The compiler had included shadows and the projections of the roofs of the buildings when tracing from the photographs without adequate stereoscopic study. *This has been called to the attention of the compilation party.*

Lernard A. McKeam

B. G. Jones

POST-OFFICE ADDRESS: 307 Detention Building, Fort McHenry, Baltimore, Md.

TELEGRAPH ADDRESS:

EXPRESS ADDRESS:

DEPARTMENT OF COMMERCE

U. S. COAST AND GEODETIC SURVEY

May 13, 1935.

To: The Director,
U.S.Coast and Geodetic Survey,
Washington, D.C.

From: Lieut.(j.g.) J.C.Partington,
U.S.Coast and Geodetic Survey.

Subject: Air photo compilation T-5424; geographic names.
Refer to No. 80-SD.

In reply to your letter dated May 7, 1935 and referring to Descriptive Report Sheet 5424, page 13, the following information is submitted.

CONFLICTING NAMES.

<u>Chart 1226</u>	<u>Chart 549</u>	<u>G.S.Quadrangle</u>	<u>Sheet T-2286</u>	<u>Local Name</u>	<u>Local Name In local use?</u>
Wall Cove	Wall Cove	- - - - -	Walls Cove	Walls Cove	Yes - - -
- - - - -	Boyd Pond	Boyd Pond	Boyds Pond	Boyds Pond	Yes - - -
- - - - -	Ferry Cove	- - - - -	Perrys Cove	Perrys Cove	Yes - - -
- - - - -	Black Cr.Pt.	- - - - -	Back Cr.Pt.	Back Cr.Pt.	Yes ✓
- - - - -	The Hammock	- - - - -	The Hummock	The Hammock	Yes ✓
- - - - -	Jubb Cove	- - - - -	Jubbs Cove	Jubbs Cove	Yes - - -
- - - - -	- - - - -	Hog Neck	- - - - -	Hog Neck	Yes ✓

A field inspection party was sent to the locality to determine the local name of each, and the results of the field inspection are listed under the heading "Local Name". In the case of "Walls Cove", "Boyds Pond", "Perrys Cove", and "Jubbs Cove" the terminal "s" was found in each case to denote the possessive, that is, persons named "Wall", "Boyd", "Perry", and "Jubb" owned land in the vicinity at one time. Since it is improbable that these persons owned the bodies of water to which these names refer, I believe the preferable names are "Wall Cove", "Boyd Pond", "Perry Cove", and "Jubb Cove". The last four names are recommended for charting.

"Back Creek Point" is evidently misspelled on chart 549 as supported by the field inspection. "The Hammock" is evidently misspelled on Sheet T-2286 as supported by the field inspection. "Back Creek Point" and "The Hammock" are recommended for charting.

"Hog Neck" applies to the area between the Patapsco River and the Magothy River and is recommended for charting.

ADDITIONAL NAMES

<u>Name</u>	<u>Source</u>	<u>Local Name</u>	<u>Local Name in</u> <u>Local Use?</u>	<u>Remarks</u>
Paradise Beach	Md. Geolog Survey	Paradise Beach ✓	Yes	Real estate development
Bay Side Beach	"	Bay Side Beach —	Yes	" " "
Pinehurst	"	Pinehurst ✓	Yes	" " "
Venice on the Bay	"	Venice on the Bay ✓	Yes	" " "
Alpine Beach	Obtained locally in the field	Alpine Beach ✓	Yes	" " "
Fort Smallwood	Obtained locally in the field	Fort Smallwood ✓	Yes	Public Park at present. Formerly an army fort.

The map referred to has the title "Maryland Geological Survey Map of Anne Arundel County" (1931). All additional names were verified for local usage and are recommended for charting.

Respectfully,

J.C. Partington
J.C. Partington
Chief of Party

80-SD

May 7, 1935.

To: Lieutenant (j.g.) J. C. Partington,
U. S. Coast and Geodetic Survey,
307 Detention Building,
Fort McHenry,
Baltimore, Maryland

From: The Director,
U. S. Coast and Geodetic Survey.

Subject: Air photo compilation T-5424; geographic names.

In the recent review of your air photo compilation T-5424 the lack of sufficient information regarding geographic names has been noted. There is inclosed a copy of part of page 13 of your Descriptive Report for T-5424.

Concerning the names, the spelling of which is different on T-2286 and on recent copies of the charts of this locality, you should have advised this office which spelling to prefer. In the cases in which the only difference is the possessive "s" this is of course explained by the general ruling made by the Board of Geographic Names to eliminate the terminal "s" in practically all cases. It is probable in the cases on this survey that the elimination was not the result of a decision by the Geographic Board but that this office was merely following the general rule. Recent decisions of the Division of Geographic Names seem to indicate their intention to follow local usage in this respect. If the use of the possessive "s" is well established in local usage and is recommended by one of our chiefs of parties, it is usually accepted as being correct.

In two other cases noted this office should have had advice from you as to which was correct. In the case of BLACK (or BACK) CREEK POINT, there is very evidently an error in spelling, and it may be impossible in this office to determine which spelling is correct. In the case of HAMMOCK (or HUMMOCK) the two spellings are used apparently indiscriminantly throughout the East Coast of the United States and without positive evidence as to which is in local usage no decision can be made in this office.

In your report there follows a list of seven geographic names which you recommend be added to the charts. This recommendation is not sufficient without further information as to the source of

your information. In the future in similar cases you should advise this office in your report as to whether your information was obtained from other maps and if so, what maps, or if your information was obtained locally in the field.

Your attention is called to the field memorandum which will be issued by this office in the near future on geographic names.

It is not the intention of this office to insist on a special investigation of geographic names in the field when this would entail special field work for this purpose only. Where field inspection of the photographs is made the field inspection party should obtain this information, otherwise it is thought that the chief of party can obtain satisfactory information through correspondence with some local resident in the community in question. This is often done by this office through correspondence with the postmasters of the various towns.

(Signed) J. H. HAWLEY

Inclosure.

Acting Director.

DESCRIPTIVE REPORT

SHEET NO. 5424

- - - -

(c) Conflicting Names:

Most of the names appearing on this compilation were obtained from U. S. Coast and Geodetic Survey Charts; U. S. Coast and Geodetic Survey Topographic Sheet Register No. T-2286 and U. S. Geological Survey Quadrangles. Following is a table showing discrepancies which were noticed in the names taken from these sources. These discrepancies should be submitted to the Geographic Board for a decision as to the correct name:

<u>U. S. Coast and Geodetic Survey Chart</u>	<u>U. S. Coast and Geodetic Survey, Topographic Sheet No. T-2286</u>	<u>U. S. Geological Survey</u>
Wall Cove	Walls Cove	- - -
Boyd Pond	Boyd's Pond	Boyd Pond
Perry Cove	Perry's Cove	- - - -
Black Creek Point	Back Creek Point	- - - -
The Hamnock	The Runnock	- - - -
Jubb Cove	Jubbe Cove	- - - -
- - - -	- - - -	Hog Neck

Additional Names:

Following is a list of names which do not appear on U. S. Coast and Geodetic Survey Charts at present. These names should be added to the charts:

Paradise Beach
Hog Neck
Bay Side Beach
Finchurst
Venice on the Bay
Alpine Beach
Fort Smallwood

Report for T 5424 Supplemental

Corrections in red on T 5424 Supplemental
were taken entirely from # 6326 1935

Supplemental filed 8/10/39

R. J. Jones