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C. & G. SURVEY,
LIBRARY AND ARCHIVES
NOV 9 - 1909
Acc No.

Department of Commerce and Labor
COAST AND GEODETIC SURVEY

O. H. Pittman
Superintendent.

State: *Virginia*

DESCRIPTIVE REPORT.

Sheet No. *235*

LOCALITY:

*Smith Point to
Harvey's Creep*

1908-9

CHIEF OF PARTY:

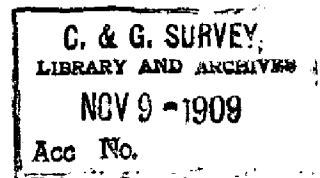
Stelman Torney

2956

For descriptions of topographic stations
on this sheet see Acc No. ~~63401~~ ~~863 SF X~~
62728 863 GA 1908-9 F

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Original



Descriptive Report

to accompany

Topographic Sheet L2

Scale 1/20,000

Resurvey of Chesapeake Bay

from

Dammeron's Marshes

to

Smith's Point

Virginia

December 1908

to

September 1909

Stetman, Henry

Chief of Party.

(a) General appearance of the Bay Shore.

The general appearance of the shore line is low, with sand beaches, backed with bluffs from two to five feet high, skirted with pine and oak timber with open spaces here and there that are under cultivation.

(a) General appearance of River and Creek Shore.

Shore line on the Great Wicomico River in general, - steep bluff ranging from 5-10 and 20 feet above high water mark thickly wooded in places with open places that are cultivated, and where are located comfortable dwellings and outbuildings, some of them more than one hundred years old. The shores are interspersed with creeks that run up into the land and generally have a good draught of water in them.

Shore line on the Little Wicomico River is low with bluffs five and ten feet high with occasional patches of heavy timber to the water's edge and in other places fine cultivated farms down to the river banks, with good comfortable farm buildings and the ground under a fine state of cultivation.

From the head of Bridge Creek (one of the branches of the Little Wicomico River) to the head of Cockrell's Creek is 1100 Metres. As there is only about 4 feet of water in the mouth of the Little Wicomico River at ordinary high water and about 8 feet inside the bar to the head of Bridge Creek, and

(2)

also to the head of Cockrell's Creek, a canal 1100 Metres in length across this neck between the two would connect the two with Reedville and be tributary to a large and productive farming country as well as to the oyster beds and fishing grounds of the mouth and inside of Little River.

(e) Refuge. Fleet's Harbor is a good shelter and safe anchorage for vessels drawing 14 feet. It is sheltered from all winds. During south and south-west winds there is somewhat of a swell rolls in over the shoal water at the eastern end of Dammeron's Marshes. Between Sandy Point and Haynie's Point on the Great Wicomico River there is a good harbor from all winds and swells. On Cockrell's Creek all the way to Reedville there is good anchorage but the anchoring ground is contracted, with very little room outside the main channel and alongside the wharves. Wharves on the Great Wicomico are "Mila", Blundon & Hinton's Factory, "Blackwell's", "Tiper's" and "Sampson's."

Wharves on Cockrell's Creek are "Fleeton", Davis Packing Co.'s, "John A. Haynie's" fish Factory, "Mc Neal Edwards" fish Factory, "Morris-Fisher Co.'s" Fish Factory, "Timb's" and "Reedville".

The Baltimore Steamboats make regular landings at "Mila", "Blackwell's", "Tiper's", and "Sampson's" Wharves on the Great Wicomico River and at "Fleeton", "Timb's", and "Reedville" wharves on Cockrell's Creek.

(o) Landing Places.

Landings can be made at many points along the Bay shore on the western shore of Chesapeake Bay from Windmill Point to Smith's Point at half tide. Throughout the year during ordinary weather at Windmill and Bluff Points, Dammeron's Marshes Fleet's and Smith's Points the shoal water makes out into the Bay a long distance and at low water you can not get within three-fourths or one half mile of the beach in a keel row boat.

(g) Ice. See descriptive report Hydrographic Sheet No. 3012, West Shore Chesapeake Bay, Great Wicomico River and Entrance.

(c) Change of Bay and River Shore line.

The shore line from Fleet's Point, including the mouth of Taskmaker's Creek, to Smith's Point, including the mouth of the Little Wicomico River, has changed materially since the last survey was made. (As I have not the old sheets to make comparisons can not give the precise figures) In places the shores have made out and in others they have eroded. The shores on Great and Little Wicomico River, Cockrell's Creek and other creeks have changed but very little since the last survey was made. The shore line and shape of Dammeron's Marshes have changed materially.

(w) Survey Methods.

(4)

Survey Methods. The work on sheet L 2 represents the resurvey of the shoreline on Chesapeake Bay from Harvey's Creek to the mouth of the Little Wicomico River, Virginia, also the interior work, contouring, roads, creeks and other topographic detail as far back from the water to the high land overlooking Chesapeake Bay, Great Wicomico, and Little Wicomico Rivers and taking in the main and branch wagon roads leading towards the county seats and principal towns of Lancaster and Northumberland Counties, Lancaster Court House, Heathesville Court House, and the villages of Kilmarnock, Wicomico Church, Brown's Store, Burgess Store, Avalon, Lillian, Fairport, Sunny Bank, Reedville and Fleeton.

The highest elevation on this sheet is 121 feet above mean high water mark on Chesapeake Bay at "Surprise Hill", North west of Reedville, on the road leading to Burgess Store and Heathesville.

According to local history this hill was a strategic point during the war of 1812. As the story is related by old residents, handed down to them by their ancestors, the British landed sailors and troops at or near Fleet's Point with the intention of marching inland. At this hill they were met by the American troops, surprised and driven back to their ships. From this event came the name "Surprise Hill". On a clear night seven light houses on Chesapeake Bay can be seen from this hill. The roads were run by plane table traverse lines, brought up from regular and plane table triangula-

tion stations on the Bay and rivers and checked at every possible point. C

Contours and other details were carried along with the traverse lines.

Heights were brought up from mean high water on the Bay, river and creek shore

lines by vertical angles taken with the vertical arc on the alidade. Con-

tours and other detail within the forest limits, where the timber was too dense

to use the plane table, was put in by sketching starting from plane table stat-

ions on the road traverse lines.

Up to May 20th all of the fences were put on the sheet. On that date

Capt. J. J. Gilbert, Inspector of topography and hydrography, visited my party

and while passing over the ground surveyed by my party told me not to put in

any but line fences between different properties in the future. From that

date no fences were put on the sheet except when it was practicable to disting-

uish the line fences, when they were put on the sheet. Many times it

would have consumed too much time to find out where the line fences were

located, owners of farms in many instances living a long distance from the road,

consequently some of the line fences may have been omitted.

(x) Plane table Triangulation.

In the absence of a regular system of triangulation a plane table trian-

gulation was carried along the Bay shore from Windmill Point to Smith's Point

(6)

and up Dimer's, Indian, Dividing, Mill and Cockrell's Creeks and in Fleet's and Ingram's Bays and the Great Wicomico River based on the old triangulation stations Windmill Point, Great Wicomico and Smith's Point Light houses and the old triangulations ^{Wa} Hugh and Ball (1909). Well determined plane table stations in the Bay, rivers and creeks were developed by this method, stations ^{Wna} marked and descriptions sent to the office March 22nd, 1909. The description of topographic stations on Cockrell's Creek are still in my custody and will be forwarded to the office in a few days from now. (November 6th, 1909.)

The topographic detail on this sheet, black and red, was put on the sheet before the field work was completed. "Chin Chin" waterproof liquid pearl India ink and "Higgin's" American liquid waterproof India ink and "Higgin's" liquid waterproof Carmine ink was used.

I call attention to the above facts to demonstrate that Topographic sheets can be inked before the field work is completed and with care the work can be preserved, and the sheets used in the field, under all conditions except in rain, mist or dense fog.

Respectfully Submitted,

Stephan J. Torrey

Asst. C. & G. Survey.

POSITIONS.

State

VIRGINIA,

(4)

C. & G. SURVEY,
LIBRARY AND ARCHIVES
NOV 20 1909
Acc No.

AZIMUTH.	BACK AZIMUTH.	TO STATIONS.	DISTANCE. Meters.	LOGARITHMS.
		Low,	796,00	✓
		Odd, P.	356,00	✓
		Craig,	414,00	✓
		Odd,	572,00	✓
		Craig,	542,00	✓
		Tie,	430,00	✓
		Sam,	670,00	✓
		Tie,	672,00	✓
		Isle,	506,00	✓
		Tie,	1094,00	✓
		Isle,	414,00	✓
		LeO,	680,00	✓
		Isle,	780,00	✓
		Leo,	654,00	✓
		Isle,	894,00	✓
		Cedar,	378,00	✓
		Beb,	714,00	✓
		Cedar,	794,00	✓
		Road,	296,00	✓
		Cedar,	940,00	✓
		Road,	328,00	✓
		Post,	258,00	✓

Stehman Forney,

Assistant, C. & G. Survey,

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GEOGRAPHIC

Locality scaled from Original P, T, Sheet L 2, Office number, 2956,

Datum.

11-676

STATIONS.	LATITUDE.		Seconds in Meters.	LONGITUDE.		Seconds in Meters.
	°	' "		°	' "	
Shell,	✓ 37,	50,	1356,00	76,	20,	594,00
"						
Horn,	✓ 37,	51,	68,00	76,	20,	1166,00
"						
Barrett,	✓ 37,	50,	1320,00	76,	20,	1354,00
"						
No-good,	✓ 37,	51,	2,00	76,	21,	0000,00
"						
Ferry,	✓ 37,	51,	158,00	76,	21,	462,00
"						
Tip,	✓ 37,	50,	1496,00	76,	21,	714,00
"						
Cab	✓ 37,	50,	1474,00	76,	21,	1038,00
"						
Glebe,	✓ 37,	51,	160,00	76,	22,	20,00
"						
Sphere,	✓ 37,	50,	1624,00	76,	22,	636,00
"						
Eagle,	✓ 37,	51,	274,00	76,	22,	438,00
"						
Fence,	✓ 37,	51,	912,00	76,	22,	298,00
"						
Nig,	✓ 37,	51,	974,00	76,	22,	638,00
"						
Moore,	✓ 37,	51,	1652,00	76,	22,	660,00
"						
Low,	✓ 37,	51,	1432,00	76,	22,	1156,00
"						
Scrap,	✓ 37,	52,	100,00	76,	22,	1230,00
"						
Odd,	✓ 37,	51,	1786,00	76,	23,	160,00
"						

Do not write in this margin.

(2)

POSITIONS.

State

VIRGINIA,

AZIMUTH.	BACK AZIMUTH.	TO STATIONS.	DISTANCE.	LOGARITHMS.
			Meters.	
		Red Beacon,	1152,00	✓
		Fleet,	900,00	✓
		Red, Beacon,	1396,00	✓
		Fleet/	1278,00	✓
		Red, Beacon,	1236,00	✓
		Dob,	686,00	✓
		Great Wicomico Light,	3414,00	✓
		Fleet,	2520,00	✓
		Great Wicomico Light,	3938,00	✓
		Fleet,	2254,00	✓
		Red Beacon,	2760,00	✓
		Sand,	1202,00	✓
		Great Wicomico Light,	5146,00	✓
		Sand,	1240,00	✓
		Great Wicomico Light,	1212,00	✓
		Task,	2614,00	✓
		Cockrell,	2540,00	✓
		Sand,	1440,00	✓
		Lewis,	1372,00	✓
		L		
		Sand,	2276,00	✓
		Sand,	2108,00	✓
		H		
		Haynie,	876,00	✓
		Hudnell,	1560,00	✓
		Haynie,	2246,00	✓
		Blundon, Hinton, Stack,	1128,00	✓
		Collins,	758,00	✓
		Hudnell,	2458,00	✓
		Haynie,	3200,00	✓
		Blundon, Hinton, Stack,	1680,00	✓
		Felly,	1000,00	✓
		Blundon, Hinton, Stack,	2294,00	✓
		Felly,	928,00	✓

Do not write in this margin.

(1)

GEOGRAPHIC

Approximate Geographic positions scaled

Locality from Original P, T, Sheet L 2, Office number, 2956,

Datum.

11-676

STATIONS.	LATITUDE.		Seconds in Meters.	LONGITUDE.		Seconds in Meters.
	°	' "		°	' "	
Holly,	37,	50,	25, 00	76,	14,	1456, 00
Stump,	37,	49,	1560, 00	76,	15,	76, 00
Maker,	37,	49,	1292, 00	76,	15,	220, 00
Task,	37,	49,	338, 00	76,	15,	1100, 00
Beach,	37,	48,	1838, 00	76,	15,	1416, 00
Ruby,	37,	48,	1674, 00	76,	16,	132, 00
Blanch,	37,	48,	1540, 00	76,	16,	352, 00
Barnett,	37,	48,	1448, 00	76,	16,	580, 00
Fleet,	37,	48,	1492, 00	76,	16,	1462, 00
Red, Beacon,	37,	48,	1132, 00	76,	17,	320, 00
Red, Nun, Buoy,	37,	48,	866, 00	76,	17,	498, 00
Horn,	37,	49,	698, 00	76,	16,	1008, 00
Barn,	37,	49,	1100, 00	76,	16,	918, 00
Morris, Fisher, Stack,	37,	49,	1772, 00	76,	16,	1364, 00
Davis,	37,	49,	1088, 00	76,	17,	24, 00
Davis, Stack,	37,	49,	656, 00	76,	17,	52, 00

Do not write in this margin.

(1)

POSITIONS.

State

Virginia,

AZIMUTH.	BACK AZIMUTH.	TO STATIONS.	DISTANCE. Meters.	LOGARITHMS.
		Great, Wicomico, Lt"	3616,00	✓
		Smith's Point, Light,	7756, 00	✓
		Great, Wicomico, Lt"	3298,00	✓
		Smith's, Point, Light,	8040,00	✓
		Great, Wicomico Lt"	2992,00	✓
		Smith's, Point, Light,	8324,00	✓
		Great, Wicomico Light,	1784,00	✓
		Smith's, Point, Light,	9620,00	✓
		Great, Wicomico, Light,	1370,00	✓
		Smith's, Point, Light,	10094,00	✓
		Great, Wicomico, Light,	1198,00	✓
		Smith's, P int, Light,	10340,00	✓
		Great, Wicomico, Light,	1084,00	✓
		Smith's, Point, Light,	10596,00	✓
		Great, Wicomico, Light,	11080,00	✓
		Smith's, Point, Light,	10816,00	✓
		Great, Wicomico, Light,	1692,00	✓
		Smith's, Point, Light,	11448,00	✓
		Great, Wicomico, Light,	1814,00	✓
		Smith's, Point, Light,	11936,00	✓
		Great, Wicomico, Light,	1904,00	✓
		Smith's, Point, Light,	12252,00	✓
		Great, Wicomico, Light,	2260,00	✓
		Smith's, Point, Light,	10432,00	✓
		Davis, Stack,	750,00	✓
		Morris, Fisher, Stack,	810,00	✓
		Davis, Stack,	1128,00	✓
		Great, Wicomico, Light,	3392,00	✓
		Davis, Stack,	434,00	✓
		Morris, Fisher, Stack,	698,00	✓
		Great, Wicomico, Light,	2480,00	✓
		Fleet,	1024,00	✓

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(2)

Approximate Geographic

GEOGRAPHIC

Locality

positions scaled from Original P, T, Sheet L 2, Office No, 2956,

Datum.

11-676

STATIONS.	LATITUDE.		Seconds in Meters.	LONGITUDE.		Seconds in Meters.
	°	' "		°	' "	
Deb,	✓ 37,	49,	424,00	76,	17,	424,00
"						
Cockrell,	✓ 37,	49,	568,00	76,	17,	856,00
"						
Red Spar, Buoy,	✓ 37,	49,	244,00	76,	17,	1082,00
"						
Mill,	✓ 37,	47,	1842,00	76,	18,	544,00
"						
Sand,	✓ 37,	49,	714,00	76,	18,	500,00
"						
<i>Reason</i> Red, Beacon,	✓ 37,	49,	1796,00	76,	17,	1450,00
"						
Haynie,	✓ 37,	49,	1608,00	76,	18,	1360,00
"						
Inner, Blk ⁿ Spar, Buoy,	✓ 37,	47,	1458,00	76,	15,	730,00
"						
Lewis,	✓ 37,	49,	1282,00	76,	19,	352,00
"						
Blundon, & Hinton Stack,	37,	50,	796,00	76,	19,	218,00
"						
Hudnell,	✓ 37,	50,	254,00	76,	19,	608,00
"						
Collins,	✓ 37,	50,	1804,00	76,	19,	778,00
"						
Mila,	✓ 37,	50,	1226,00	76,	19,	1260,00
"						
Folly,	✓ 37,	51,	732,00	76,	19,	1374,00
"						
Rogue,	✓ 37,	50,	1636,00	76,	30,	202,00
"						
Hack,	✓ 37,	51,	204,00	76,	20,	660,00
"						

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(3)

POSITIONS.

State

VIRGINIA,

AZIMUTH. " "	BACK AZIMUTH. " "	TO STATIONS.	DISTANCE. Meters.	LOGARITHMS.
		Rogue,	480,00	
		Folly,	1416,00	
		Rogue,	1004,00	
		Collins,	1860,00	
		Rogue,	1194,00	
		Folly,	1932,00	
		Rogue,	1290,00	
		Barrett,	554,00	
		No-good,	^{484.00} 1290,00	
		Barrett,	910,00	
		Rogue,	1992,00	
		Hack,	1626,00	
		Rogue,	2310,00	
		Ferry,	792,00	
		Rogue,	2782,00	
		Ferry,	1028,00	
		Rogue,	3374,00	
		Glebe,	728,00	
		Cab,	1094,00	
		Glebe,	434,00	
		Glebe,	804,00	
		Eagle,	658,00	
		Glebe,	1020,00	
		Fence,	348,00	
		Glebe,	1620,00	
		Nig,	680,00	
		Moore,	546,00	
		Nig,	692,00	
		Moore,	644,00	
		Nig,	1146,00	
		Lew,	592,00	
		Scrap,	438,00	

Do not write in this margin.

(4)
 Approximate Geographic positions, **GEOGRAPHIC**

Locality scaled from Original topographic sheet L 2, Office number 2956, Datum.

11-676

STATIONS.	LATITUDE.		Seconds in Meters.	LONGITUDE.		Seconds in Meters.
	°	' "		°	' "	
Craig,	✓ 37,	51,	1604,00	76,	23,	462,00
"						
Tie,	✓ 37,	52,	82,00	76,	23,	706,00
"						
Sam,	✓ 37,	51,	1622,00	76,	23,	1010,00
"						
Isle,	✓ 37,	52,	362,00	76,	23,	1322,00
"						
Lee,	✓ 37,	52,	836,00	76,	24,	20,00
"						
Pond,	✓ 37,	52,	190,00	76,	24,	222,00
"						
Cedar,	✓ 37,	52,	560,00	76,	24,	408,00 720,00
"						
Bob,	✓ 37,	52,	194,00	76,	24,	732,00
"						
Road,	✓ 37,	52,	462,00	76,	24,	1396,00
"						
Post,	✓ 37,	52,	720,00	76,	25,	64,00
"						
Bar,	✓ 37,	52,	536,00	76,	25,	244,00
"						

59 Stations
 P.J.

Do not write in this margin.

Department of Commerce and Labor

Coast and Geodetic Survey

O.H. Tittmann, Superintendent

Topographic Re-Survey

of

Chesapeake Bay

from

Dammeron's Marshes to Smith's Point

Virginia.

Surveyed by the party

of

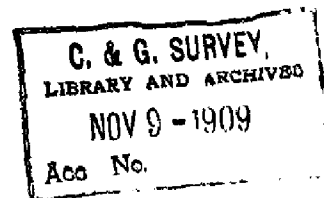
Stehman Forney

from

December 1908 to

September 1909.

Scale 1/20,000.



*West Shore of Chesapeake Bay
Little Macombs Riv. to Ingrams Riv.*

NOTE.

The heights are given in feet and show the elevations above mean high water on Chesapeake Bay. The curves of equal altitudes are expressed by unbroken red lines and show the heights for every twenty feet difference of elevation. The broken red lines show the auxiliary or ten foot curves around the tops of hills.

Buildings shown thus: ■ represent Colonial homes constructed of stone, brick and wood and prominent modern dwellings or public buildings. Buildings shown thus: □ represent smaller modern dwellings and outbuildings.

2958

L2.

C. & G. SURVEY,
LIBRARY AND ARCHIVES
NOV 9 - 1909
Acc No.

Little River.

From the second to the third points on the north side of the Little Wicomico River there was a discrepancy of 100 Metres found. Mr. Hand, Aid, must have underread the rod 100 Metres when he ran the shore line in 1907, while attached to the party of Assistant Forney.

While running the shore line on the south side of this river in 1909 this mistake was discovered and the shore line on the north side of the river was adjusted from the mouth to the head and made correct.

William Forney

Chief of Party.

Officers attached to the Party.

Jean H. Hawley, Aid, from August 1st, 1908 to December 11th, 1908.

Alden Wells, Aid, from December 10, 1908 to March 25th, 1909.

S. H. Schapiro, Asst., from June 3rd, 1909 to September 1909.