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1907-8

Department of Commerce and Labor
COAST AND GEODETIC SURVEY

C. & G. SURVEY,
LIBRARY AND ARCHIVES.
NOV 14 1908
Acc. No.

O. H. Tittmann

Superintendent

State: *Va*

DESCRIPTIVE REPORT.

Topographic Sheet No. *2870*

LOCALITY:

*Chesapeake bay, Rappahannock
river, from Cherry Pt. to
Rogues Pt.*

1907-8

CHIEF OF PARTY:

Stehman Torrey

2870

(I)

2870

Department of Commerce and Labor

Coast and Geodetic Survey

O. H. Tittmann Superintendent

Topographic Re-survey

C. & G. SURVEY,
LIBRARY AND ARCHIVES.
NOV 14 1908
Acc. No.

OF

Piankatank River and Tributaries

Virginia

From

Horse Point to Turk's Ferry

Rappahannock River and Tributaries

From

Whitestone Wharf to Rogue's Point

Scale 1/20,000

1907-08

Surveyed by the Party of

Herman Foote

Officers Attached to the Party	Assistant, C. & G. Survey
Lary S. Jackson (Aid) July 1st, 1907, to October 28th, 1907	
Alden Wells, (Aid) July 15th, 1907, to February 2nd, 1908	
John H. Petrs, (Aid) September 23d, 1907, to October 12th, 1907	
Minor E. McChristie, (Aid) November 11th, 1907 to Feb, 2nd 1908	
E. B. Collins, (Asst) April 18th, 1908, to June 23d, 1908	
Jean H. Hawley (Aid) August 1st, 1908, to October 31st 1908	

NOTE

Heights are expressed in feet, and show the altitudes above mean high water. The curves of equal elevations are given for every 20 feet difference of level, and are indicated on the chart by red lines. The broken red lines, show the auxiliary heights, around the tops of hills, and the ten feet curves near the shore line.

All dwellings, are shown in solid black, barns and other buildings, in open figures, Telephone lines, are shown same as telegraph lines, There is no telegraph service in the country covered by sheet N 2.

This sheet was inked almost to completion before the "General Instructions for the Field work of the Coast and Geodetic Survey", were received.

The spelling of the name, "Corotoman" on C. & G. Survey Chart No 392 Rappahannock River, Sheet No 1, is wrong, the name has but one (r) Some of the old records at Lancaster Court House Va, have the name spelled "Coroteman" it is also spelled this way in the records at Christ Church near Irvington Va, Robert (king) Carter of Corotoma is there spoken of as having furnished the material and money to build Christ Church in 1730.

S. F.

Department of Commerce and Labor

Descriptive Report

To Accompany

Topographic sheet N2

Scale 1/20,000

Re-survey of Piankatank River And Tributaries

Virginia

From

Herse Point to Turk's Ferry

Rappahannock River and Tributaries

From

Whitestene Wharf to Regue's Point

Cerotonan River and Tributaries

From

Tell's Point to Davis Creek

August-September-October-November 1907

January-February- March-May-June-August September 1908

Surveyed by the Party of

Stephanus Howard

Assistant C, & G, Survey

Appearance

(a) General of RIVER SHORE LINE.

The general appearance of the river shore line on the Piankatank and Rappahannock Rivers, and their tributaries is low bluffs, 10 to 20 feet above mean high water, backed by hills gradually rising to an elevation of 60 and 80 feet above M.H.W, on South side of Piankatank, and 80 to 90 feet on the North side of the Piankatank, and to 98 feet on the north side of the Rappahannock River.

The shores of the rivers and creeks are for the greater part, densely wooded, with large timber area's in the interior, also many clear spaces that are thickly inhabited and under cultivation, The entire sheet is covered with a net work of public and private roads.

(e) REFUGE,

Good shelter and safe anchorages, from all winds can be found any where on these rivers and their tributaries, for vessels drawing 16 feet, The above statement refers to the Piankatank above Horse Point, And the Rappahannock above Whitestone Wharf.

(g) ICE.

During the months of December-January-February and sometimes in March, The rivers and creeks are frozen over for short periods each month, and interfere with steamboat navigation for three or four days at a time, and very seldom longer than one week at a time, ~~wh~~ When the ice breaks up it generally piles up on South^h shores of the rivers and creeks, and frequently does considerable damage to the wharves.

(t) PORTS, COMMERCIAL IMPORTANCE.

Freeport, at the head of steamboat navigation, on the Piankatank River, is a good shipping point, large quantities of lumber-grain-and garden truck are shipped from this point. Stanfer's-Green's-and Conrad's wharves on the same river are good shipping points,

(t) PORTS.

from which grain-lumber and country products are shipped in large quantities, The steamers of the Maryland Delaware and Virginia Rail Way Company, ply between these wharves and Baltimore three times a week.

Mill Creek-Whitestone and Berham's wharves on the Rappahannock and Millenbeck-Moran's-Ottiman Merry Point wharves, on the Corotoman, are also good shipping points. Merry Point is the head of Steam-boat navigation on the Corotoman River,

Weems and Irvington on Carter's Creek are important shipping points. Large shipments of fish oysters and country produce are made from these points. Messick's Factory on the West Prong of Carter's Creek, is a large plant for the manufacturing of Fertilizer, which is made from fish called "Menhaden", these fish are found in large schools, on the Lower Potomac-Chesapeake Bay to the Capes, and on the Atlantic Coast from Sandy Hook to Cape Look Out, North Carolina, and are brought from these waters in large fishing steamers, to the different fertilizer plants on Chesapeake Bay and tributaries, FRESH WATER, can be obtained from wells at all of the above named wharves, Artesian water can be obtained at Messick's factory in Carter's Creek, free of charge. At Green's wharf on the Piankatank, Millenbeck-Ottiman and Merry Point wharves wharves on the Corotoman river, at Weems and Irvington on Carters Creek, Extensive canning plants are operated for the preserving of tomatoes and sweet potatoes, Thousands of gallons of shucked oysters are shipped to Northern points from these places, every season.

Irvington on Carter's Creek, is a thriving up to date town with about one thousand inhabitants, eight good stores-one bank-one weekly paper-post office-two churches-one town hall and one high school,

(t) One excellent summer and winter hotel, Irvington is the headquarters for the Virginia oystermobile boats, and the home of the Hon^o Mc Donald Lee, Chairman Board of Fisheries for the State of Virginia. At Francis Point there is located a large hotel building, but has been closed for the last two seasons, Christ Church built by Robert (KING)Carter in 1730, is an interesting relic of Colonial times, and is located about 2 miles north from the post office at Irvington. The town of Irvington covers an area of about 2.25 square miles, with the buildings much scattered

(u) CHANGE OF SHORE LINE.

At some of the points on the river and creek shores, on sheet N2, the ground has washed away, and at other places the beach has filled in, since the last survey was made.

(w) SURVEY METHODS.

The work on Sheet N2, represents the re-survey of the Rappahannock -Piankatank and Corotoman Rivers and tributaries, From Whitestone wharf to Regue's Point on the Rappahannock, From Toll's Point to Davis Creek on the Corotoman River, and from Horse Point to Turk's Ferry on the Piankatank River. Also the interior work, contouring -roads -creeks and other topographic detail, as far back from the streams to the high land overlooking the rivers and stream and taking in the main and branch roads running towards the county seats, of Mathews-Gleucester-Middlesex and Lancaster, including the towns of Irvington and Kilmarnock, the villages of Weems and Ottoman. The highest elevation on this sheet is 98 feet above M.H.W. The red contours are shown for every 20 feet difference of level. The heights are expressed in feet, and give the elevation above M.H.W. The roads were put in by plane table traverse lines brought up from P T triangulation stations, and checked at every possible

(w) point, Contours and other details were carried along with the traverse lines, Heights were brought up from M,H,W, on the river shores, by vertical angles taken with the vertical arc on the Alidade, Contours and other detail within the forest limits (where the timber was too dense to use the plane table) was put in with the sketching table, starting from plane table stations on the road traverse lines, and checked with the regular plane table work. This work was generally done on days that were too damp or stormy to expose P,T, sheet to the elements, The sketches were transferred to the original sheet immediately after they were made.

(x) PLANE TABLE TRIANGULATION.

In the absence of a regular system of triangulation, A plane table triangulation was continued up the rivers from the P.T, Ang sta's on topographic sheet M2. All of the signals at these stations were described, stations marked and the descriptions sent to the office September 19/08, There are 166 plane table stations on sheets M2 & N2 that are marked and described, Four of these stations Ava- Bank- Tell-and Up, on sheet N2 are marked with Terracotta pipe filled with cement (for centre marks) Kirk station, located in two feet of water, is marked with a piece of galvanised iron pipe filled with cement, In case it is intended to continue the work further up the Rappahannock River, well determined base lines can be recovered from which to start the plane table triangulation, 161 of these stations are marked with Pine centre and reference stubs, copper tacks and galvanised iron nails, this sheet was partly inked before the field work was completed.

Stehman Ferney

Assistant C, &, G? Survey

Chief of Party.

COPY.

Replying to your letter of the 11th instant, I have to state that there are no landmarks of any importance within the limits of topographic sheets M2 and N 2. (Letter of Asst. Stehman Forney of Nov. 16th, 1908.)

Department of Commerce and Labor

Descriptive Report

To Accompany

Topographic sheet N2

Scale 1/20,000

2870

Re-survey of Piankatank River And Tributaries

Virginia

From

Herce Point to Turk's Ferry

Rappahanneck River and Tributaries

From

Whitestone Wharf to Rogue's Point

Geretoman River and Tributaries

From

Tell's Point to Davis Creek

August-September-October-November 1907

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Assistant C. A. G. Survey

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Stephan Forney

Assistant C, & G? Survey

Chief of Party.

TOPOGRAPHIC SIGNALS ON PIANKATANK RIVER (SHEET No. N2.)

Pop. 2870

C. & G. SURVEY,
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SEP 29 1908
Acc. No.

Name	0.	Longitude	"In metres	0.	Latitude	"In metres
Blake	76	24	833	37	32	805
Mid	76	24	1020	37	32	85
Wilton	76	24	1280	37	31	598
Wilton2	76	24	1425	37	30	1825
Cinny	76	24	430	37	31	1494
Rock	76	24	674	37	31	1103
Iron	76	24	850	37	31	620
Cut	76	24	936	37	30	1320
Vista	76	25	620	37	30	1350

(2) continued

C. & G. SURVEY,
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SEP 28 1908
Acc. No.

Name	Longitude		Latitude	
	0	"in metres	0	"in metres
Green	76	25 285	37	30 838
Patch	76	25 700	37	30 1690
Holl	76	26 10	37	30 1410
Berk	76	26 92	37	31 740
Chy. Ho. on Berkley's I.	76	26 380	37	31 853
Doc	76	26 730	37	31 125
Ceder	76	26 1240	37	31 215
Ferry	76	27 350	37	31 100
Point	76	27 605	37	31 688

(5) continued

Longitude

Latitude

Name	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	metres
Bush	76	27	1205	37	31	618															
Lock	76	27	1275	37	31	972															
Cliff	76	27	1020	37	31	1582															
Wharf	76	28	280	37	31	1775															
PI	76	28	448	37	31	1020															
An	76	29	197	37	32	131															
Ka	76	29	310	37	32	660															
Tank	76	29	837	37	32	290															
Free	76	29	1240	37	32	290															
Port	76	29	1475	37	32	624															

C. & G. SURVEY,
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SEP 22 1908
Acc. No.

Name	SIGNALS IN STUTTS CREEK.				Dist. from WHITE Tri. Signal (metres)
	Longitude		Latitude		
	o	'	o	'	
Breeze	76	16	37	28	4510
Neck	76	16	37	27	4074
Clark	76	17	37	28	4760
Bill	76	17	37	27	4197
Drew	76	17	37	27	4666
Lev	76	17	37	27	4820
Dix	76	17	37	27	5205
Son	76	18	37	27	5240
Will	76	18	37	27	5670

C. & G. SURVEY,
LIBRARY AND ARCHIVES.

5205 SEP 22 1908

Acc. No.