

2701



Treasury Department,
U. S. COAST AND GEODETIC SURVEY.

O. H. Jeffmann
Superintendent.

State: *Ind. & Va.*

U. S. C. & G. SURVEY,
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DESCRIPTIVE REPORT.

Top. Sheet No. *2701*

LOCALITY:

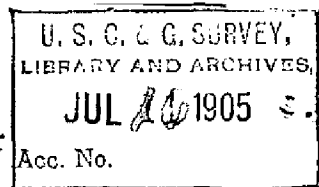
Potomac River
Mattawoman Creek
& Freestone Pt.

1905

CHIEF OF PARTY:

"S. Forney, Asst."

2701



Department of Commerce and Labor

U. S. Coast and Geodetic Survey,
O. H. Littmann Superintendent,
Descriptive Report
Topographical Sheet—
Partly Inland.

Resurvey of the Potomac River
Chickomuxen Creek, to Indian Head ^{Ms.}
Free Stone Point, between Leesville and
Ponell's Creek Virginia
1905
Scale 1/20,000

This sheet represents the re-survey of the
Potomac River. Shore Line and in-
terior Country Roads and other Topograph-
ical details.

The Shore Line of the river has not
changed materially except at prominent
points and in some of the larger creeks,
tributary to the river. The Shore Line of Metchum
Creek determined with the sextant by Asst. U.
Young was found correct except in the vicinity

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of Deep Point. There the shore line was cut about 15 meters. The bluff line from where I joined Mr. John W. Ferrus back to Deep Point - was changed by erosion and covering fifty and fifty feet. The shore line at the entrance to Chickomuten Creek was changed slightly since the last survey was made.

The contours are shown for every 20 feet difference of level from mean high water the plane of reference. The auxiliary curves are indicated by broken red lines. The heights are given in feet and show the elevations above the plane of reference.

The interior topography was carried back from the shore line to the high land on both shores of the river, overlooking the river. The roads running through the timber were run with plane table traverses from triangulation stations and well determined plane table points on the river shore. The heights were carried along by vertical angles from the plane of reference. Heights and station lines were checked at every opportunity on triangulation signals and well determined plane table signals. In the dense timber

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Where it was impracticable to run Plane Table Triangles, the Contours were sketched from Plane Table Stations on the rocks. Flaps in trees at the summits of the hills were determined from Stations on the shore their heights were also determined above the Plane of reference, also the heights of the flaps in the trees ~~above~~ the ground, were measured with a steel tape when they were put up in the trees. The bases of the hills were also determined in height and position, and the Contours sketched in.

The interior Country from where I found with the bank of Mr John W. Fern to Deep Point is covered with timber with here and there small tracts of cleared ground under cultivation. The interior Country at Forest Point No. 4 is mostly cleared and cultivated. There is located the residence and farm of Col. Fairfax. The gentleman who asked to have a triangulation signal on his fishing beach.

Colten M. S.
July 6th 1915.

Respectfully Submitted
Herman Ferry,
Asst. to S. S. Ferry,

Approximate Geographical Positions
 Scaled from Original Plane Table
 Sheet, Chickamaw Creek to
 Indian Head Md.

Station	Longitude	Notes	Latitude	Meters
Black Spit Bay	77.12	258	38.35	1126
" " "	77.13	420	38.34	853
" " "	77.14	86	38.33	1364
Waterman	77.14	262	38.33	283
Sandy Point	77.12	1418	38.38	457
Deep Point	77.12	786	38.34	478
Waterman Ferry, Ant. C. H. Bay, Better Md., July 6 th 1915				