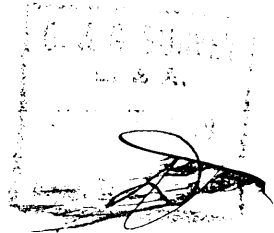


4018



Form 504
DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

State: *Virginia*

11-5613

DESCRIPTIVE REPORT.

Hyd. Sheet No. *4018*

LOCALITY:

*York and
Mattaponi Rivers*

1918

CHIEF OF PARTY:

E. B. Latham.

8117

Descriptive Report

York and Mattiponi Rivers

Virginia
May 1918

This survey, directed in supplemental instructions dated, April 18th. 1918, and made at the request of the York River Ship building Corporation of West Point, Virginia, was made in May 1918.

The soundings made cover the bar at the junction of the Mattiponi and York Rivers.

No especial features were encountered.

The channel in use, is that below the H.S. buoy, and is more closely developed than is any other area. The channel below buoy 10, is developed sufficiently to indicate where dredging will have to be done to increase the present available depths.

Control is by the triangulation of 1912, supplemented by additional intersection points, determined by triangulation in 1918.

Tides were observed at the wharf of the Texas Oil Company's Wharf at the foot of 7th. street, West Point, Virginia.

From the limited observations the plane of Mean Low Water, taken from the Bench Marks, at West Point, appears too high a reducer of (1.0) one foot was found. The stage of the river may have caused this.

The examination extends from the deep water below the bar, to the deep water above it, and by field sheet B, to the plant of the York River Ship-building Corporation, on the Mattiponi River.

Survey made by Mr. O.M. Straube, Mate, U.S.C. & G. Survey.

List of objects to be placed on chart 495 is submitted herewith.

E. S. Nathan
Chief of Party, C. & G. Survey

West Point Va.
May 25-1918

Statistics Sheet A **4018**
 York and Mattiponi Rivers.

Volum	Date	Day	Miles	Soundings	angles.
Volum 1	May 8	a	4.3	112	98
	May 10	c	13.0	749	186
	May 15	d	15.6	718	206
Total			32.9	1579	490
Volum 2	May 9	b	2.4	262	23
	May 16	e	20.0	1762	263
Total			22.4	2024	286
Volum 3	May 17	f	8.0	429	106
	May 22	g	8.0	612	160
Total			16.0	1041	266
Volum 1			32.9	1579	490
Volum 2			22.4	2024	286
Volum 3			16.0	1041	266
Total for Sheet			83.3	4644	1032

Hyd. Sheet No. 4018

On this sheet the ground has been closely covered and the soundings cross very well.

The line from pos. 1a to pos 8a was rejected as it was questioned by the field party and the ground is covered by other lines.

A careful comparison with the last survey of 1911 shows that there has been very little change except that the twelve foot curve leading into the Mattiponi River has closed up, where it was formerly open.

R. L. Johnston

xu.c.

ADDRESS
U. S. COAST AND GEODETIC SURVEY
WASHINGTON, D. C.

CHARTS (H) ←

REFER TO No. 5-EMK

DEPARTMENT OF COMMERCE LIBRARY
U. S. COAST AND GEODETIC SURVEY
WASHINGTON

Place with descriptive report
of hydrographic sheet No. 4018
December 13, 1918.

Drawing Section. *A*

Division of Hydrography and Topography: *Her*

Division of Charts: ✓

Tidal reductions have been approved in
3 volumes of sounding records for

HYDROGRAPHIC SHEET 4018

York and Mattaponi Rivers, West Point, Va.
E. B. Latham in 1918.

Plane of reference is
Mean low water, reading

3.0 ft. on tide staff at West Point.

Paul Schurman

Acting Chief, Section of
Tides and Currents.

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

HYDROGRAPHIC TITLE SHEET

The finished Hydrographic Sheet is to be accompanied by the following title sheet, filled in as completely as possible, when the sheet is forwarded to the Office.

U. S. Coast and Geodetic Survey.

Register No. **4018**

State **Virginia**

General locality **York and Mattaponi Rivers**

Locality **Junction at York Westpoint Va.**

Chief of party **E B Latham**

Surveyed by **O M Straube, E.B.Latham**

Date of survey **May 8th. to 17th. 1918**

Scale **1. to 10,000**

Soundings in **feet**

Plane of reference **Mean Low Water**

Protracted by **MJT** Soundings in pencil by **MJT**

Inked by Verified by

Records accompanying sheet (check those forwarded):

Des. report, Tide books, Marigrams, Boat sheets,

Sounding books, Wire-drag books, Photographs.

Data from other sources affecting sheet *Sketch water front -
Mattaponi Va*

Remarks: