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C. & G. SURVEY,
LIBRARY AND ARCHIVES
OCT 21 1909
Acc No.

Diag. Cht. No.
78-2

Department of Commerce and Labor
COAST AND GEODETIC SURVEY

O. H. Tittmann
Superintendent.

State: *Va.*

DESCRIPTIVE REPORT.

Sheet No. _____

LOCALITY:

*Rappahannock River, Juncos
Pt. to Mares Wharf*

1909

CHIEF OF PARTY:

O. W. Ferguson

3009a
3009b

GEODETTIC SURVEY OCT 20 1909

COAST AND
GEODETTIC SURVEY

OCT 20 1909

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DEPARTMENT OF COMMERCE AND LABOR.

COAST AND GEODETTIC SURVEY.

O. H. TITTMANN, Superintendent.

Resurvey of the Chesapeake Bay, Virginia.

Revision of the Rappahannock River.

TITLE SHEET.

Descriptive Report of ~~Topographic &~~ Hydrographic

~~Sheet 519~~ Register No. 3009

Western Shore Chesapeake Bay, between

Latitude 37° 47' to 37° 53' N.

Longitude 76° 40' to 76° 47' W.

SCALE 1:10000.

From August 25th., 1909 to October 7th., 1909.

SCHOONER "MATCHLESS".

O. W. Ferguson, Assistant, C. & G. S. In Command.

OBSERVERS.

O. W. Ferguson, Assistant; James E. Marsh, Mate; E. E.

Smith, Aid; John W. Clift, C. W.; C. P. Holland, C. B. M.

RECORDERS.

H. W. Godsey, Writer 2cl.

LEADSMEN.

A. M. Pinder, Seaman.

TIDE OBSERVERS.

W. W. Holland, A. M. 3cl.

C. & G. SURVEY,
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OCT 21 1909
Acc. No.

REFERRED TO:

ON ORIGINAL DOCUMENT

POST-OFFICE ADDRESS:

TELEGRAPH ADDRESS:

EXPRESS OFFICE:

3009

Department of Commerce and Labor
COAST AND GEODETIC SURVEY

C. & G. SURVEY,
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OCT 21 1909
Acc No.

SCHOONER "MATCHLESS",
TAPPAHANNOCK, VA.,

OCTOBER 7TH., 1909.

DESCRIPTIVE REPORT OF THE ~~TOPOGRAPHIC AND~~ HYDROGRAPHIC
³⁰⁰⁹
~~SHEET 519~~ REGISTER NUMBER.

CONTROL.

No old stations were definitely recovered on this portion of the river but sufficient Old buildings and topographic features identified to make locations by. Thus

The Old Dickerson Residence,

The Wilner House on E. side of Farnham Creek,

The DR. Martley House on W. side of Farnham Creek,

Middelton Hall near where Shaprs is now located,

The approximate position of Stations Barber,

The House above Circus Point,

The ruins of Oscar Neales residence 1 1/2 miles above

Circus Point on the north bank were identified.

On the west bank were located
The Old Residence of Callee Bowler,

The House which we call Chim,

The Old Residence at Ewbank and

The Old Residence at N. Ware.

By setting up the table near one of these houses by the magnetic Meridian and locating a point and then orienting on some of these distant objects, pretty good azimuth was obtained; and then, some needed topography was run and other objects, flags, watch houses and buoys cut in for hydrographic signals.

All wharves and all houses near the shore are located and objects shown on the original sheet not now found on the ground are left off the tracing which shows the hydrography and topography as at present.

A list of all stations used in the hydrography is furnished with this report.

More than the usual amount of hydrography was found advisable on this sheet to develop off from Sharps Wharf, the long Middle Bar on which Bowlers Light House is located and to examine the ground ESE. from Wares Wharf.

The lines run across the river are a half mile apart and lines for examining bars and shoals about 100m. apart. 775 meters ESE. $1/2$ E. from Wares Wharf we struck a $7 \frac{1}{2}$ foot spot surrounded by depths of 13, 18, 28 feet, further and careful examination of this spot on October 7th. showed nothing less than 10 feet. At the time the $7 \frac{1}{2}$ foot spot was found, several days before the examination, the Leadsman was sure that 1 fth. $1 \frac{1}{2}$ feet was correct. This vicinity is lumpy and is called an Oyster rock, the old chart shows nearly as small depths $8 \frac{1}{2}$ feet a little farther down. The depths WSW. from here towards shore are much greater than when data on original charts were taken.

This sheet shows a large river, being from 1 3/4 to 3 1/4 miles wide.

The wharf and village of Sharps did not exist until about 20 years ago. It is one of the largest shipping points on the river and some industry in fishing. ^{is carried on} Is a village of probably 300 has a large Oyster packing business, a canning factory, several stores and a bank. Bowlers wharf on opposite bank and a couple of miles above is a small place but ships a good deal of produce and has a large canning plant. Wares and Wellfords wharves on the upper confines of this sheet are also shipping points where all of the regular boats stop.

SURFACE.

The surface is quite varigated, near the river averages quite level rising to heights of about 30 feet, but swampy places are very much in evidence with pieces of forest, and always trees along the sloughs though the timber has mostly been cut off.

SOIL.

The soil is free from stones and ground is formed of silt and clay in varying proportions making some areas of soil quite light, others where clay predominates more heavy.

The soil is productive and the climate suitable to corn, and the land is held in tracts of from 200 to 7000 acres.

PRODUCTS.

Corn and tomatoes are produced extensively, Wheat and oats are also raised. There is a general interest in poultry

4. Desc. Rpt. O. W. F. ~~T. & H. Sheet 519~~³⁰⁰⁹, 10/7/1909.

and eggs, also sheep and some cattle.

Lumber is cut a few miles from the river and many a ship load goes out of the river.

The vicinity of Sharps is the last point up this river where Oysters are found.

SAILING DIRECTIONS.

Pass the black spar buoy off 1 1/2 miles South from Sharps with 18 feet then the red spar a mile NW. from this with 20 feet, then steer to pass the Bowler light 1 1/2 miles above 150 metres on port hand, thence 2 1/2 miles NNW. 3/4 W. past the black spar buoy, thence NW. X N. one mile until Wares wharf bears NW. 1/2 W. distant 1400 metres, thence NXW 1/2 W. and pass off the sheet.

The steamers landing at these wharves draw, when loaded, not over 9 feet and at that they encounter soft mud frequently.

Respectfully yours,

O. W. Ferguson.

Assistant, C. & G. Survey,

Commanding.

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3009^a

3009^a

$\phi = 37^{\circ} 49' 26''$
 $\lambda = 76^{\circ} 40' 28''$

Examination of Creek, Rappahannock River, Va.

February and March, 1910.

Descriptive Report of Garnham Creek.

This creek enters the Rappahannock about one mile east of Sharpe Wharf, Va.

It is only 42 meters wide at the mouth and about 200 inside. Right after the entrance it forks one branch extending $3/4$ of a mile in a northwesterly direction; the other, and main branch, extends northeasterly $3/4$ mile, where it is canal like and only 12 to 15 meters wide.

The ground adjacent to this creek is mostly marshy though variegated with spaces and points of dry shore, nearly all fringed with woods.

The land near the river for the first mile is ^{elevation} ten feet more and less, 2^d mile 20 feet more and less, 3^d mile 30 feet more and less.

The country a little way from the creek is generally cultivated especially on the east side.

There seems to be a large area of timber on the upper western side and a saw mill in operation a mile above the limits of topography. A general depth of three feet can be carried over the bar and throughout at low water. Hydrog was stopped at highway bridge when logs blocked the way, but the depth is from 4 to 5 feet on for over a mile any way, at the limits of topography. Sours are no for freighting.

C. W. Hayward

12
3009^b
U. S. Geol. Survey

3109 $\frac{1}{2}$

$\phi = 37^{\circ} 52' -$
 $\lambda = 76^{\circ} 44' -$

Examination of Creeks, Rappahannock River, Va.

March, 1910

Descriptive Report of Carbins Creek.

It is 1.8 miles below Accocheek Point.

It enters a small bay of the river shore and at this place is only 38 meters wide. It is very angular and irregular and varies in width from 260 to 15 meters.

The shores are marshy and wooded but the land a short distance away on both sides is cultivated.

At the entrance the depth is 4 feet and inside controlling depths of 2 and 3 feet with holes ten feet deep. Land either near the creek or back of marsh rises to ten feet.

There are fish traps at its mouth.

Lumber and filigree are taken out of this creek on scows.

O. M. Ferguson.

$$\begin{aligned} \phi &= 37^{\circ} 52' 23'' \\ \lambda &= 76^{\circ} 44' 33'' \end{aligned}$$

D. S. Sahr, Malabar, Fla.

Examination of Creeks, Rappahannock River, Va
Totuskey Creek.

This is said to be quite a large creek, navigable for ten miles, and bear some commerce.

But I did not examine it - as your letter of January 17th, 1910 stated that it would not be necessary owing to receipt by you of a blueprint showing survey by the Corps of Engs.

O. W. Ferguson.

Hyd. Sheet 3009 + 3009^a + ^b

The original work done on this sheet is very good.

The crossings are generally excellent and the ground is systematically covered and well developed.

On the old survey, Hyd. Sheet. 605, another shoal ridge is shown on the shoal between Hares Kharf and Accaceek Pt. at the north end of sheet. Indications of this are found on this work, so the shoalest soundings from the old survey were plotted on this sheet in green.

A red spar buoy is noted in the records, near Bowler's Lt. Ho, but ^{as} the location was so indefinite, it was left in pencil.

The supplemental work in Farnham and Corbin's Creeks, shown on Hyd 3009^a + Hyd 3009^b, is not so reliable as only a few positions were determined by sextant angles and the control is poor.

R. L. Johnston

Draftsman

7/30/10.

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OCT 21 1909

STATISTICS Sheet No. 519. 3009 Acc No.

DATE 1909.	Letter	Positions	Soundings	Miles	
				Statute	Vessels.
September 8	a	51	414	11.2	Steam Launch
9	b	100	746	21.1	
11	c	103	666	20.6	
13	d	86	689	21.1	
14	e	32	219	6.0	
October 4	f	54	397	11.2	
7	g	37	224	3.7	
Total	7	463	3355	94.9	

Statistics for Hyd. Sheet 3009^a

Date	Letter	Positions	Soundings	Statute Miles	Vessel
March 4, 1910.	f	18	125	1.7	Whaleboat
" 5, "	g	41	287	5.2	"
Totals	2	59	412	6.9	Totals

Statistics for Hyd. Sheet 3009^b

Date	Letter	Positions	Soundings	Statute Miles	Vessel
March 4, 1910	f	38	191	3.3	Whaleboat
Totals	1	38	191	3.3	Totals

Soundings plotted in feet.

Protracted by Field Party.
Plotted and inked by R. L. Johnston.

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LIST OF NAMES OF SIGNALS USED ON HYDROGRAPHIC SHEET

³⁰⁰⁹~~519~~, REGISTER NUMBER.

SOUTH BANK

WATCH

JONES

SPY

OUT

BOX

PACK

HUT

CHIM

ROOF

GRAIN

BOWL

ROCK

BLUE

MUD

EWE

HAF

DARK

WARE

NORTH BANK

WELL

FOUR

WASH

NEAL

OSCAR

TOP

ALL

HED

SHARP

OLD

FAR

RED

GRAY

FLAG

M.D.H.
Jan. 18, 1912.

Handwritten:
J.D.H.
AR
1/18/12

HYDROGRAPHIC SHEET 3009, 3009-a, and 3009-b.

Rappahannock River, Virginia,

Lat. 37° 47' to Lat. 37° 55'
Long. 76° 39' to Long. 76° 48'

by Asst. O. W. Ferguson in 1909-10.

T I D E S.

Whealton
ft.

Mean low water or plane of reference on staff	3.2
Lowest tide observed	2.3
Highest " "	5.9
Mean range of tide	1.8

~~Coast and Geodetic Survey~~ ← COAST AND GEODETIC SURVEY
JAN 18 1912 ← JAN 18 1912
TIDAL DIVISION
↑
TIDAL DIVISION

3009^t

STATISTICS

Date 1910.	Letter	Vols.	Positions	Soundings	Miles		Vessel.
						Statute	
February 25	a	1	81	626	11.0		Whaleboat
26	b	1	39	417	7.5		
28	c	1	84	571	11.5		
March 1	d	1 1	41	262	5.9		
2	e	1	36	234	4.2		
4	f	2	36 ⁵⁶	316	5.0		
5	g	2	41	287	5.2		
<hr/>							
Total	7	2	378	2713	50.3		

C R E E K S

a Deep Creek,	Sheet 3003d
Mulberry Creek	" 3003e
b Moradica "	" 3003e
c Lancaster Creek,	" 3003e
d Parrotts & Mad Creeks	" 3003c
e Weeks & Harry George Crks.	" 3003c
f Corbins & Farnham Creeks	" 3009a & 3009b
g Farnham Creek,	3009 a.

3009^a

STATISTICS

Date 1910.	Letter	Vols.	Positions	Soundings	Miles Statute	Vessel.
February 25	a	1	81	626	11.0	Whaleboat
26	b	1	39	417	7.5	
28	c	1	84	571	11.5	
March 1	d	1 1	41	262	5.9	
2	e	1	36	234	4.2	
4	f	2	36	316	5.0	
5	g	2	41	287	5.2	
Total		7 2	378	2715	50.3	

C R E E K S

a Deep Creek,	Sheet 3003d
Mulberry Creek	" 3003e
b Moradica "	" 3003e
c Lancaster Creek,	" 3003e
d Parrotts & Mud Creeks	" 3003e
e Weeks & Harry George Crks.	" 3003e
f Corbins & Farnham Creeks	" 3009a & 3009b
g Farnham Creek,	3009 a.