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C. & G. SURVEY
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Department of Commerce and Labor
COAST AND GEODETIC SURVEY

Superintendent.

State: Virginia

DESCRIPTIVE REPORT.

Hyd^c Sheet No. 3311

LOCALITY:

York River - Clay Bank
to Potopotank Creek

1901

CHIEF OF PARTY:

O. H. Ferguson

3311

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C. & G. SURVEY.
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DEPARTMENT OF COMMERCE AND LABOR.

COAST AND GEODETIC SURVEY.

O.H. TITTMANN, SUPERINTENDENT.

Resurvey of the Chesapeake Bay, Virginia.

Revision of the York River.

TITLE SHEET.

HYDROGRAPHIC SHEET NO. ~~8~~ 8311 Original. 686

Between.

Latitude 37° 20' 00" to 37° 28' 00" N.

Longitude 76° 36' 00" to 76° 44' 00" W.

SCALE 1:20000.

From September 2nd. to September 29th, 1911.

SCHOONER "MATCHLESS".

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

OBSERVERS.

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

And F.F. Harbour, Aid.

Recorder.

H. W. Godsey, Writer 2nd, class.

Leadsmen.

F. Hesper, S.M.M. H. C. Tong, S.M.M.

Coxswain.

H.C. Tong.

TIDE OBSERVERS.

M. L. Tabor, C. Boatswains Mate, L. Wells, M.L. Walker, Sea.

(I) 3311

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DEPARTMENT OF COMMERCE AND LABOR.

COAST AND GEODETIC SURVEY.

O. H. TITTMANN, SUPERINTENDENT.

Resurvey of the Chesapeake Bay, Virginia.

Revision of the York River.

Descriptive Report.

Hydrographic Sheet No ~~X~~ 3311 = O.S. 686

Between.

Latitude 37° 20' 00" to 37° 28' 00" N.

Longitude 37° 36' 00" to 76° 44' 00" W.

76

SCALE I:20000.

From September 2nd. to 29th, 1911.

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OBSERVERS.

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

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Coxswain.

H: C. Tong.

Tide Observers.

M. L. Tabor, C. Boatswains Mate, L.Wells, M.L.Walker.

Sea.

Desc. Rept.Hydrog. Sheet B, O.S.(686) York River, Va. O.W.F.

Control.

The control of this Hydrography is ample, being by a newly executed scheme of Triangulation, and Tertiary points Computed and plotted.

Methods.

By taking advantage of the high tide over the low shores a good developement was made from the launch.

The Poropotank Creek, the hydrography of which was carried 5-I/2 miles from its mouth, was done in whaleboat.

Shores.

The shores are low and muddy with marsh flats often impracticable to land at low tide.

Currents.

The currents are strong measured as high as I.9 knots.

Landings.

The landings are Claybank and Allmonds, small places where however a good deal of shipping is handled. Cappahosic is of more importance as a trade center; has good anchorage and is to soon have a wharf.

Creeks.

The Creeks are Jones, Sand, Foxes, Bland, Pierce, Purton, Adams and PoropotankCreeks on the North side; with Carters, Skimming, and Tashanask on the South side; All small and and used for oyster planting, excepting, Poropotank Creek which is large and quite important, furnishing 4 feet as controlling depths at low water at the bulkhead about I.I/2 miles and Above the mouth, about 7 feet at other places throughout.

Desc. Rept. Hydrog. Sheet B. O.S. (686) York River, Va. O.W.F

Water.

Artesian water in sufficient quantities is found on this sheet.

Craft and Commerce.

Up or down this strech every day goes a Commodious Steamer plying between Baltimore and West Point; Also a small Steamer running to Old Point, Norfolk, and Newport News, put on this season to be continued. Other craft are Schooners, Barges, small freighters and oysterboats.

Produce.

The produce shipped is grain, garden truck, poultry, and some cattle, Tobacco, Fish and Oysters, Lumber, wood, ties, mine props, and telegraph poles.

Channel.

The depts are good and Channel is well marked but narrow, affording depts of from 32 to 20 feet.

Navigation.

Follow day marks and lights at night, keeping close to buoys and lighthouses; The lights are Page Rock, light at Allmonds and Red Beacons No. 4 and 6.

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

LIST OF OBJECTS LOCATED ON HYDROGRAPHIC SHEET No. B.O.S 686

YORK RIVER, VIRGINIA.

NAMES	LATITUDE D.M.			LONGITUDE D.P.		
Page Rock L.H.(Page)	37	I8	I2II.2	76	35	308.5
Waller 2 (Wall)	37	I8	892.2	76	37	I84.0
Rosewell 2 (Rose)	37	I9	II94.9	76	35	622.6
Biglers 2 (Big)	37	20	486.7	76	38	9I8.7
Claybank 2 (Clay	37	2I	283.3	76	36	II78.7
Ferry Point 2(Ferry)	37	22	57.6	76	37	994.8
High Old Chimney	37	22	4I	76	37	6I2
Cappahosic (Cap)	37	22	704.5	76	37	I2I8.6
Old Barn above Ferry --Hydro "Barn"	37	22	209	76	40	I09
Post Light Allmonds	37	23	804	76	39	680
Allmond (All)	37	23	932.6	76	39	57.0
Scim (Skim)	37	23	836.	76	4I	222.6
Watch house above all - - Hydro. (Wat)	37	23	I750	76	39	779
Moody 2	37	24	506.5	76	4I	II98.5
Watch box near Moody Hydro. (Bee)	37	24	I009	76	42	I4
Watch box Purton Id. Hydro. (How)	37	24	II95	76	40	426
Purton 2 (Pur)	37	25	472.7	76	4I	520.5
Red Beacon #4(Con)	37	25	37I	76	4I	632
Chimney red roof H. Below Richardson 2	37	25	204	76	43	09
Richardson 2 (Rich)	37	25	990.5	76	43	6I3.0
Holt 2	37	26	I9.4	76	4I	I406.9
Yellow House near Holt	37	26	428.3	76	4I	I474

Continued.

C3
C3
T1
T1

LIST OF OBJECTS LOCATED ON HYDROGRAPHIC SHEET No. (686) B.

YORK RIVER; VIRGINIA.

NAMES	LATITUDE D.M.			LONGITUDE D.P.		
Mt. Folly 2 (Mount)	37	26	327.6	76	44	401.8
Roane I	37	27	212.4	76	43	154.8
Red Beacon #6(Beak)	37	26	1168	76	43	176

LIST OF OBJECTS LOCATED ON HYDROGRAPHIC SHEET No.( ) B.

USED IN SURVEY OF POROPOTANK. CREEK.

NAMES	LATITUDE D.M.			LONGITUDE D.P.		
(Did) - Yellow House above Holt 2	37	26	428	76	41	1474
(Dead)-dead pine	37	27	286	76	42	283
(Hill)-old house on hill	37	26	1330	76	41	1139
(Flag)-Topog. flag	37	26	1251	76	41	896
(Den)-House in Morris Bay	37	26	1201	76	41	584
(Mast)-foremast of sunken Buckeye	37	26	1300	76	41	301
(Oar)-Topog. flag	37	26	1472	76	41	133
(Red)-N.Chimney ruins brick house	37	26	1809	76	40	1104
(Lost)-Topog. flag	37	27	324	76	41	129
(Top)-Topog. flag	37	27	549	76	40	1364
(Peg)-Topog. flag	37	27	409	76	40	1210

O. W. F.

3311

STATISTICS SHEET No. (686) B. (old)

DATE	Vol	Letter	Soundings	positions	STATUTE Miles	Vessel
Sept. 2	I	a	92	II	2.50	Launch
I4	I	b	209	25	5.85	
I5	I	c	528	68	I4.30	
I6	I	d	636	78	I7.30	
I8	I	e	898	I25	23.8I	
I9	2	f	I005	I39	32.I0	
20	2	g	42I	62	I3.00	
25	3	h	I045	I34	32.05	
27	3	i	6I3	97	I8.25	
28	I	a	3I	04	0.38	Whaleboat
Sept. 29	I	k	220	26	4.00	
Dec. 5	3	k	07	03	0.02	Launch
		12	5705	772	I63.56	

O. W. F.

VEC
Jan. 26, 1912.

D & E div
ORB
1/27/12

HYDROGRAPHIC SHEET 3311.

Claybank to Poropotank Creek, York River, Virginia, by Asst. O. W. Ferguson in 1911.

TIDES.

	Gloucester Point ft.	Claybank ft.	Allmonds Wharf ft.
Mean low water, or plane of reference on staff	2.7	1.7	2.9
Lowest tide observed " "	1.9	1.5	2.1
Highest " " " "	6.9	5.3	6.8
Mean range of tide	2.4	2.8	2.9

Coast and Geodetic Survey
JAN 27 1912
TIDAL DIVISION.

Hyd. Sheet # 3311

The positions on this sheet were plotted by the Field Party and have been accepted as correct although checked in many cases where errors were thought possible.

The soundings were plotted by the "Field Party" but were not accepted as correct as it was found that in many instances that more soundings were plotted between positions then called for in sounding books. That the time spacings were bad and in nearly all cases decimals of .5 and over were plotted as the next larger foot: therefore all soundings have been replotted.

The work is generally good and the crossings very close.

John D Tomay
April 27. 1912