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Department of Commerce and Labor
COAST AND GEODETIC SURVEY

O. Pittman
Superintendent.

State: *Virginia*

DESCRIPTIVE REPORT.

Hyds Sheet No. *3097*

LOCALITY:

*James River Mulberry
Pt. to Swan's Pt.*

190

CHIEF OF PARTY:

J. B. Boutelle

*For descriptions of hydrographic signals made in
connection with this sheet see accession No.*

63930 863 GA 1909 B. of FISHERIES Hydc. 3097

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SHA
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C. & G. SURVEY,
LIBRARY AND ARCHIVES

AUG 3 0 1916

Acc. No.

Department of Commerce and Labor
COAST AND GEODETIC SURVEY

O. W. Fittmann
Superintendent.

State: *Virginia*

DESCRIPTIVE REPORT.

X Sheet No. *3097*

LOCALITY:

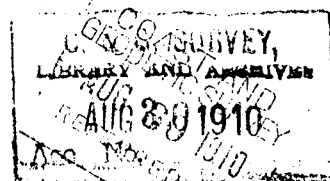
*Western shore of the
James River*

1910

CHIEF OF PARTY:

O. W. Fittmann

3097



DEPARTMENT OF COMMERCE AND LABOR.

COAST AND GEODETIC SURVEY.

O. H. TITTMAN, Superintendent.

Resurvey of Chesapeake Bay, Virginia.

Revision of the James River.

DESCRIPTIVE REPORT OF HYDROGRAPHIC SHEET

3097.

Comprising the Western Shore between

Latitude 37 06 00 to 37 15 00

Longitude 76 37 30 to 76 51 30

SCALE, 1 : 20000.

From July 25, 1910 to August 5, 1910.

SCHOONER "MATCHLESS"

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

OBSERVERS.

James E. Marsh, Mate; Charles A. Mourhess, Aid;

John W. Clift, C.W.

RECORDER.

H. W. Godsey, W. 2cl.

LEADSMAN.

A. C. Pinder Q.M.

George W. Murphy, Sea.

TIDE OBSERVERS.

Charles A. Mourhess, Aid.

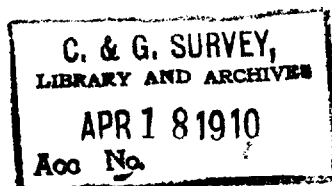
S. L. Jackson, Sea.

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Descriptive Report
to accompany

Boat-Sheet - steamer Endeavor
JAMES RIVER, Va.

March 5 to March 11
1910



The hydrographic work on this sheet consists of verification lines of soundings about one mile apart, across the river and soundings in several localities indicated by the Drawing Division as needing examination. It was intended that when plotted the soundings should be transferred to the tracings accompanying topographic sheets Nos. 1289 - 1290 for purposes of comparison with the old work. The projection on the boat-sheet corresponds to that on these topographic sheets.

The tide gauge at Jamestown wharf was used for nearly all of this work and a time reduction to that place will have to be made in reducing sounds. For a small portion of the work at the lower end of the sheet the tide gauge at Ferguson's Wharf was

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C. & G. SURVEY,
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APR 18 1910

Acc No.

used.

The work was left incomplete owing to the work being suspended and the party ordered elsewhere.

(The portion of the descriptive report for Hydc. 3097 appearing above has been copied, and is attached thereto)

Table of Statistics

Date	Letter	Vol	Pos	Sdgs.	Miles stat.	Sound
1910: March 5	A	1	39	269	6.5	Endeavor
7	B	1	42	338	7.0	"
8	C	1	75	212	4.5	"
8	a	2	95	417	10.0	Gig
9	b	2	50	267	5.0	"
10	c	2	29	212	3.0	"
11	d	2	41	443	5.0	"
Total			321	2158	41.0	

Respectfully submitted
J. D. Bontell
Assistant, C. & G. Survey
Chief of Party

Verified by H. L. Simmons

3097

used.

The work was left incomplete owing to the work being suspended and the party ordered elsewhere.

Respectfully submitted,

(Signed) J. B. Boutelle,

Assistant, C. & G. Survey,

Chief of Party.

(The portion of this descriptive report on this page was copied from the original, which contains the table of statistics - represented by the stars above - and which is attached to the sheet.)

Supplementary Soundings are shown on the tracing in black. The Soundings made by Captain J. B. Boutelle are copied on the same tracing and shown in green.

SHORES.

The shores incline to be flat, silting up slowly, and becoming more wooded. The cypress tree is taking root in many places along the river with other brush helping to make topographical work difficult.

There are no dangers in the stretch that require mentioning. The anchorage is good, especially opposite Jamestown Island towards Scotland.

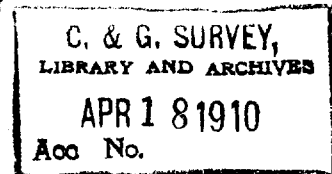
Sixteen feet can be carried over this sheet at low water.

James River, Virginia Mouth

3097

List of Positions of topographic stations
on old data to correspond to projection of Boat Sheet
and tracings accompanying Topog^e-sheets Nos. 1289-1290.

	φ	λ
Clay	37° 05' + 436 ^m	76 39 + 568 ^m
Green House, chy.	09 + 1638	36 + 106
Tribell 2 ^d U. S. E.	11 + 1506	37 + 160
Hinton 2 ^d U. S. E.	12 + 750	37 + 900
Town	12 + 136	43 + 1212
Goose U. S. E.	11 + 642	44 + 1010
Bunch	12 + 566	47 + 1130
Wharf house, capola. Jamestown	12 + 577	46 + 558
Bunn	12 + 575	45 + 1455
Knee U. S. E.	14 + 494	48 + 550
Black U. S. E.	37 14 + 898	76 49 + 810



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

HYDROGRAPHIC SHEET 3097.

*Added
11/18/12*

Mulberry Point to Chickahominy River, James River, Va.,
by Asst. J. B. Boutelle, in 1910.

TIDES	Jamestown I. ft.	Fergusson's Wharf ft.
Mean low water or plane of reference on staff	2.4	2.0
Lowest tide observed	0.8	1.6
Highest tide observed	5.3	5.1
Mean range of tide	2.0	2.4

Coast and Geodetic Survey
JAN 18 1912
TIDAL HYPHOCYCLE

Cd. Sheet No 3097

Oct 5 1910

The work on this sheet is a combination of two surveys made by Asst. Pontello & Asst. Tegusson and shows a fairly good development of this section of the river.

The soundings and curves were plotted & inked by the field party. It is suggested that Mr. Tegusson's attention be called to par. 285, page 68; par. 288, page 70 and par. 304, page 73 of the General Instructions for Field Work which state that in no case shall soundings be plotted in ink by the field party, ~~and~~ that curves are to be left in pencil and no fractions to be shown.

H. S. Simmons