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C. & G. SURVEY,
U.S. DEPARTMENT OF COMMERCE
MAY 14 1912

Diag. Chy. No. 1222-1

Department of Commerce and Labor
COAST AND GEODETIC SURVEY

Superintendent.

State: *Virginia*

DESCRIPTIVE REPORT.

Hyd. Sheet No. *3359*

LOCALITY:

*Eliz. River - Southern
Branch - Deep Creek -
Mouth to Hissinal Swamp
Canal*

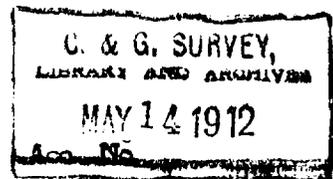
1902

CHIEF OF PARTY:

J. B. Boutelle

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Descriptive Report

to accompany

Hydrographic Sheet No.: 3359.

DEEP CREEK

from

South Branch of Elizabeth River to Entrance of Dismal Swamp Canal

1912

A triangulation was carried from the Elizabeth River to the locks of the Canal, and flags set at various places along the creek for hydrographic signals; these later were determined by the plane table survey. A list of their geographic positions scaled from the hydrographic sheet is attached to this report.

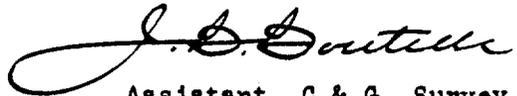
Deep Creek and the Dismal Swamp Canal is at present the route most generally used by vessels, tows and yachts, between Norfolk and Albermarle Sound and there is a very considerable traffic passing through here at all times. The canal is said to have a least depth of 9 feet. There is an average depth of 10 feet at M.L.W. through the creek, but this is largely affected by the wind which often increases the range of tide as much as 2 feet.

The sounding was done in a 4 oared gig and in spacing soundings on cross lines there must be taken into account the fact that at the

2.

starting of a line the boat was often aground and did not gather headway immediately. The channel line on "d" day was run as closely to the center of the channel as was possible to estimate its position.

Respectfully submitted,



Assistant, C. & G. Survey,

Commanding Str. "Endeavor".

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Statistics

	:Letter :	Vol.:	Pos. :	Sdgs. :	Miles:	Boat :
April 2	a	1	34	132		Gig
" 3	b	1	80	277		"
" 4	c	1	95	507		"
" 5	d	1	41	236		"
Totals			250	1152	10	

3359 GEOGRAPHIC POSITIONS

Locality **Deep Creek - Hydrographic Stations, determined by Planetable Datum.**
 11-86 *Virginia*

STATIONS.	LATITUDE.			Seconds in Meters.	LONGITUDE.			Seconds in Meters.
	°	'	"	1849.5	°	'	"	1488.4
A	36	44	+	1552	76	20	+	430
B		44		1738		20		275
C		45		53		20		282
D		45		299		19		1051
E		45		433		18		1160
F		45		451		19		907
G		45		646		19		876
H		45		725		19		950
I		45		820		19		748
J		45		617		19		653
K		45		780		19		159
L		45		746		19		533
M		45		759		18		1159
N		45		1150		18		1030
O		45		1134		18		868
P		45		1225		18		490
Q		45		1360		18		440
R		45		1154		18		263
S		45		930		18		116
T		45		793		18		160
U		45		118		19		1460
V		45		840		19		15
W	36	45	+	664	76	18	+	1425

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POSITIONS.

State

AZIMUTH.

BACK AZIMUTH.

TO STATIONS.

DISTANCE.

LOGARITHMS.

° / "

° / "

Meters.

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