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S.H.A.  
1911  
B

1873<sup>a</sup>

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

*O. H. Tittmann*  
Superintendent.

State: *Virginia*

DESCRIPTIVE REPORT.

*Hyd.* Sheet No. *1873<sup>a</sup>*

LOCALITY:

*Chesapeake Bay Entrance -  
North Channel.*

1901

CHIEF OF PARTY:

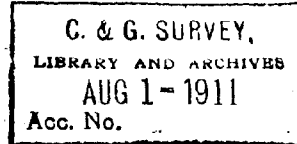
*J. B. Boutelle.*

See 1842 also Bound Volume 2, S. H. A.

# 1873<sup>a</sup>

Descriptive Report

to



accompany Hydrographic Sheet No. 1873<sup>a</sup>

Entrance to Chesapeake Bay - North Channel

Virginia.

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Coast and Geodetic Survey Steamer "Endeavor", July 25, 1911.

This survey was for an examination of a reported shoal in the Channel as shown by Chart No. 131, the C. & G. S. Str. "Bache" having touched bottom at this place on December 22nd., 1910.

The re-survey extends from the vicinity of Red Nun Buoy No. 4 to and a little beyond the Wreck Buoy about 4 miles to the eastward. Nautilus Shoal was found to have extended a long point to the south and west between buoys Nos. 2 and 4 and eastward of buoy No. 2 the three (3) fathom curve has moved about a mile to the north.

The seventeen (17) foot spot shown on Chart 131 about one mile south-east of buoy No. 2 has apparently washed away. There is now thirty-five (35) feet at this place.

Buoy No. 2 is now  $\frac{1}{2}$  mile S.E. of its position on Chart 131.

"	"	4	"	$\frac{1}{4}$	"	S.W.	"	"	"
Wreck buoy	"	$\frac{3}{8}$	"	S.W.	"	"	"	"	

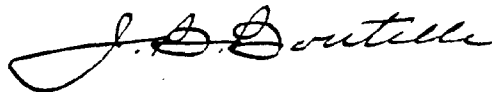
A tide gauge was established at the Quarantine Wharf, Fisherman's Island and observations made while sounding.

2. 1873<sup>a</sup>

The records and statistics are as follows:

1911.	Vol.	Let.	Pos.	Sdgs	Statute Miles	Area. Sq.stat. miles
July 18	1	A	145	1126	28.3	
" 19		B	169	1140	32.5	
" 19	2	B	27	225	10.0	
" 20		C	85	660	15.0	
" 22		D	39	221	4.0	
			465	3372	89.8	9

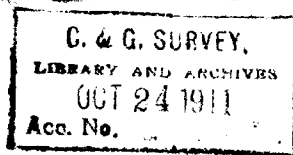
Respectfully submitted,



Assistant, C. & G. Survey,

Chief of Party.

# 1873<sup>a</sup>



Hyd Sheet No 1873<sup>a</sup>

Aug. 25, 1901.

This work is well done and shows a good development of the area covered. The survey, however, should have been extended south to the 30 foot depth, in order to complete the development of the bar.

The records were kept in a satisfactory manner.  
H. L. Simpson

Verified;

Sept. 11<sup>th</sup>, 1911.

The soundings and curves from Hyd. 1873, surveyed in 1888, covering this area, were reduced to this scale and carefully compared with this work. The comparison shows a general shift to the southward and a slight shoaling. It is impossible to draw the curves at the edge of the work on Hyd. 1873<sup>a</sup>, so that they will join up with the the curves on Hyd 1873, on account of the changed conditions.

The old survey does not show the present conditions.

R. L. Johnston