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1907

U. S. C. & G. SURV. 27,
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FEB 11 1907
Acc. No.

Department of Commerce and Labor
COAST AND GEODETIC SURVEY

O. T. S. Mann
Superintendent.

State: *Virginia*

DESCRIPTIVE REPORT.

Hyd C Sheet No. *2849*

LOCALITY:

*Hampton Roads
from Old Point Comfort
to Newport News
Bar*

1907

CHIEF OF PARTY:

N. H. Heck

2849

POST-OFFICE ADDRESS: Str. Hydrographer, Fortress Monroe, Va.

TELEGRAPH ADDRESS: do do

EXPRESS OFFICE: do do

U. S. C. & G. SURVEY,
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Department of Commerce and Labor
COAST AND GEODETIC SURVEY Str. Hydrographer,
Fortress Monroe, Va. Feb. 7, 1907.

To the Superintendent,
Coast and Geodetic Survey,
Washington, D.C.

Sir:-

I have the honor to report that in accordance with your original instructions of December 2, 1906, and supplemental instructions of January 1, 1907, I have completed the hydrography along Hampton Bar from Fortress Monroe, Va. to the westward, and on the eastern part of Newport News Middle Ground Shoal as outlined therein.

2. I find little change in the position of the four and five fathom curves from those shown by the previous survey, except that there seems a slight shifting inshore on the eastern end of bar next Fortress Monroe. No marked change of depth was observed different from that charted.

3. Two days comparative tide observations were taken between Fortress Monroe and Newport News Middle Ground Light House, which showed a foot or more greater range of tide on the Middle Ground than at Fortress Monroe Tide Station. The soundings, reduced according to the readings at Fortress Monroe, also indicated when plotted this difference of range of

tide. Lines run at approximately the same state of tide crossed within the allowable error, while those run at different stages of tide showed a corresponding discrepancy. The leadsmen were checked frequently and their work found satisfactory.

Respectfully yours,

N. H. Hecla,
aid, C. & G. Survey Com'd'g.