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Treasury Department,  
U. S. COAST AND GEODETIC SURVEY.

*C. H. Sittmann*  
Superintendent.

State: *New York*

## DESCRIPTIVE REPORT.

*Hydrographic Sheet No. 2755*

LOCALITY:

*Hudson River*

*Cornwall Landing*

*to Chelsea*

1905

CHIEF OF PARTY:

*J. B. Miller, Aid*

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Department of Commerce and Labor

COAST AND GEODETIC SURVEY

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Report on

Hydrographic Sheet No. 7, Hudson River  
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1. This sheet extends from Cornwall Landing to a point one-half mile south of Chelsea, or Low Point, N.Y., including the town of Cornwall, and the cities of Fishkill-on-Hudson and Newburgh. The expansion of the river here is called Newburgh Bay; having a length north and south of 6 miles, and a mean width of 1.1 miles. Two small creeks empty into it, Moodna Creek near Cornwall; and Fishkill Creek, at Dunningo Point; both of which are too shallow for navigation and are closed by fixed railroad bridges.
2. The river channel follows the western shore, having a greatest depth of 86 feet; least depth of 39 feet; and mean depth for a width of 0.8 mile of 35 feet; the deep channel is at a mean distance of 0.25 mile from the western shore. Upon the eastern shore are flats averaging 0.3 mile wide, having 2 to 5 feet of water, thro which are numerous small scow channels leading to bick yards; having 9 to 12 feet at high water; Fishkill Creek flows into one of these. A blind channel having 7½ feet at low water, leads

from Breakneck Point to the dock on the northeastern point of Polypus Island. There is an extensive flat at the mouth of Moodna Creek, north of Cornwall, extending to the western edge of the main river channel.

3. The river bottom is generally muddy, and the shores low and sandy. There are no serious dangers to navigation, and vessels change course once only, - at Polypus Island, in traversing the sheet. Here the <sup>edge of the</sup> 4-foot channel is 0.2 mile distant from the island northwesterly, 0.15 mile distant southwesterly, and 0.1 mile directly west. An extensive shoal formerly shown southeast of the wharf at Cornwall Landing was not found to exist. There are no lights on the sheet and but one buoy, a red spar in 11½ feet of water, at the east edge of the channel, 2 miles north of Fishkill-on-Hudson.

4. Wharves at Newburgh have 19 feet of water; at Fishkill-on-Hudson, 12 feet; and at Cornwall, 20 feet. The steamer Mary Powell lands twice daily at Cornwall and Newburgh; the Central Hudson Steamboat Co. steamers twice daily at Fishkill-on-Hudson and Newburgh; the Day Line steamers twice daily at Newburgh; the People's Line and Citizen's line to Albany, and the Catskill line and Sangre's line steamers each pass twice daily without landing. Newburgh and Fishkill-on-Hudson are connected by a half hourly ferry service.

5. The range of tide is 3 feet, the flood and ebb currents being sensibly equal and averaging  $\frac{1}{2}$  miles per hour.

Jas. B. Miller,  
Aid, C. & G. Survey, Chief of Party.

3 sheets.

The ground is well covered with the exception of channels along docks. A line of soundings should have been run through them. Along the wharves at Newbury the 6 & 12 ft curves could not be drawn.

The line of soundings from 17 to 20 is through a new channel which when completed will be 12 ft deep and 100 ft wide.

The descriptive report states that the wharves at Newbury have 19 ft of water, at Freshhill 12 ft and at Cornwall 20 ft.

The records were kept in a satisfactory manner and the plotting was well done.

A. L. Simmons

Oct 28 1905