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1905

Diag. Cht. No. 282

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

O. H. Tittmann

Superintendent.

State: *New York*

DESCRIPTIVE REPORT.

Hydrographic Sheet No. 2742

LOCALITY:

Hudson River —

Anthony's Nose to

Breakneck Point

1905

CHIEF OF PARTY:

J. B. MILLER.

U. S. C. & G. SURVEY,
LIBRARY AND ARCHIVES,

AUG 15 1905

Acc. No. 2742

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Coast and Geodetic Survey

Report
on
Sheet 6: Hudson River
1905

J. B. Miller, Aid,
Chief of Party

1. The sheet extends from Fort Montgomery to Cornwall Landing, New York, including the towns of Garrison, West Point, and Cold Spring. This portion of the river consists of three reaches; from Fort Montgomery to Conis Hook, Conis Hook to West Point, and Constitution Island to Cornwall. Steamers change course at the Highland Chemical Works, Conis Hook, West Point, Landing, West Point Light, Magazine, ^{Point,} and Cold Spring Wharf.
2. The shores are generally abrupt, and the bottom rocky. There is but one danger to navigation, a rock with 8 $\frac{3}{4}$ feet at low water, 0.3 mile south of Conis Hook, marked by black spar No. 1; a mid-stream course carries one well clear of it. There is a reef 0.4 mile south of Cold Spring, marked by red spar No. 4, but it is at the extreme east side of the channel. Except for narrow flats along the east shore from Constitution Island northward, and just north and south of West Point, the channel includes the entire width of the river; with a mean depth of 18 fathoms, least depth of 10 fathoms, and greatest depth of 32 fathoms; and a mean width of 0.3 mile with 4 fathoms or more. Mid-stream courses in all cases follow the channel. A light and bell are maintained at Conis Hook, and West Point.
3. ~~Several~~ lines of steamers navigate this portion of the river regularly; the Peoples line ^{and Steppes line} to Albany, daily each way, making no landings; the Day line, daily each way, landing at West Point; the Mary Powell Steamboat Co., daily each way, landing at West Point, and occasionally at Cold Spring; the Central-Hudson ^{and} the Newburg and Harrietstraw Steamboat Companies, daily each way, landing at Cold Spring and West Point, and occasionally at Garrison and Highland Falls; and the Catskill Steamboat Co., making no landings. A regular half-hour ferry service is maintained between Garrison Landing and West Point. A considerable scow and canal boat traffic passes up and down. At the landings mentioned there is a least depth of 14 feet.

(over)

4. The range of tide is about 3 feet; slack water occurs at high and low tides: the ebb and flood currents are equal in strength, averaging 2 miles per hour in deep water.

Geo. B. Miller,
Aid, C. & G. Survey.

Department of Commerce and Labor

Head Sheet #2742

The plotting was well done and the
records kept in a satisfactory manner.
All new shore line is inked in red.

H. L. Simons

Oct. 25 1905.