## 2549

Diag. Cht. No. 281-1 - & - 282

DEPARTMENT OF COMMERCE
U.S. COAST AND GEODETIC SURVEY
R. S. PATTON, DIRECTOR

## **DESCRIPTIVE REPORT**

Topographic | Sheet No. 254 9

State ......// 1980 /

U.S. GOVERNMENT PRINTING OFFICE: 1934

CHIEF OF PARTY



U. S. COAST AND GEODETIC SURVEY. O. H. Tittmann, Superintendent. State: n.Y. DESCRIPTIVE REPORT. Hydrographic Sheet No. 2549 LOCALITY: udson Giver, Hook Mi Ill communications should be forwarded.

Winder cover to the "Superintendent U.S.
Coast and Geodetic Survey, Washington, D.C."

Office of the Coast and Geodetic Survey,

Washington, J. C.,

January 13, 1902.

Mr. Andrew Braid,

Assistant in charge of the Office.

Sir:

In connection with the verification of Hydrographic Sheet No. 2549, "Hudson River", by Assistant Boutelle during the past season, I send you herewith comments made by Mr. Watkins, draftsman who verified the sheet, which should, I think, be of interest to Mr. Ogden and to the Office.

In connection with verification of Hydrographic Sheet No. 2549,-

Series of soundings shown on sheet not found in sounding record.

Bottom abbreviations not according to established rule and should be entered more frequently.

Characteristic soundings not selected and more soundings should be plotted.

Shoals, indications and doubtful soundings commented upon by person plotting, merely, no evidence of their development or investigation.

Soundings above plane of reference should have distinguishing signs.

Names of signals in records should be uniform with those on sheets.

Figures are not satisfactory.

Nearly all errors in soundings are attributable to attempt to determine and record depths in fathoms, feet and tenths. Record should be even fathoms and feet, or feet and tenths.

The character of work and methods adopted alike indicated determinations of depth to nearest foot as limit of precision generally.

The sounding lines are not well distributed, work being closer on comparatively unimportant flats than in fair-ways.

Mid-channel bar and shoals along west side of channel should have been developed.

Respectfully yours,

Assistant and Chief, Drawing and Engraving Division.

In protracting A Bewlines, What was mistaken for A Peck throughour work

2549

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Descriptive Report

te Grassy Frint - aug. + Sept. 1901.

Occurry of the Hudson Brier, no detailed report of this locality necessary. Station points determined by triongulation of 1900 and 1901 and by plane table, 1901.

Assistant, C. ols. S. Chief of Party