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Diag. Chart No. 1242-2

Department of Commerce and Labor
 COAST AND GEODETIC SURVEY

Superintendent.

State: *South Carolina, Georgia
and Florida*

DESCRIPTIVE REPORT.

Sheet No. *A-3549*

LOCALITY:

Charleston, S.C.

to

New Smyrna Florida

(Rec)

1910-13

CHIEF OF PARTY:

W. C. Hodgkins

11-4845

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DEPARTMENT OF COMMERCE

COAST AND GEODETIC SURVEY

O. H. TITTMANN, SUPERINTENDENT

HYDROGRAPHIC RECONNAISSANCE

SOUTH ATLANTIC COAST

C. & G. S. Steamer BACHE

W. C. Hodgkins, Chief of Party

1910 - 1913

Platted by Leon A. Potter

DESCRIPTIVE REPORT

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The work shown on Chart No.12, herewith, includes the following:-

- 1) A line of soundings running eastward from Fernandina, Florida, to deep water in the Gulf Stream and return, March 16 to 19, 1910;
- 2) A line of soundings between Fernandina, Florida, and Charleston, S. C., May 13 and 14, 1910;
- 3) Part of a line of soundings between Hetzel Shoal, Florida, and Tybee Bar, Georgia, April 3, 1913. The southern part of this last line is shown on a copy of Chart No.13 and the whole of the line on a copy of Chart No.1001, both herewith.

The following remarks give further details in regard to the pieces of work listed above:-

- 1) This work, at the beginning of the season, was intended as a trial trip, to make sure that the sounding apparatus was in good working order and to get a preliminary idea of the character of the sea bottom in that region; also to cross the locality of a supposed shoal reported in 1906 by the master of the British S.S. WILLOW BRANCH.

The weather, unfortunately, became misty soon after beginning the line and finally settled into a fog, so that the astronomical observations intended to fix the ship's position at intervals during the run proved unreliable and it was found necessary to plat the run by dead reckoning.

Descriptive Report (continued)

2) This work was done in May, 1910, while making passage from Fernandina to Charleston. The ship's course was so laid as to take her again across the general locality of the shoal reported by the WILLOW BRANCH.

3) This work was done in April, 1913, while making passage from Jupiter Inlet to Savannah and in this instance again the ship passed in the immediate vicinity of the reported shoal referred to above.

Tides were not observed in connection with these lines; but the record of the automatic gauge at Fernandina should be available if desired.

Respectfully submitted,



Chief of Party

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

December 1, 1913.