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1898-99

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Diag. Chart No. 1242-2

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U. S. COAST AND GEODETIC SURVEY.

Superintendent.

State: *Ga.*

DESCRIPTIVE REPORT.

Hydrographic Sheet No. *2396*

LOCALITY:

Brunswick Outer Bar

1898-99

CHIEF OF PARTY:

H. L. Marindin

2396

Hyd^e Chart Register No. 2396

All communications should be forwarded
under cover to the "Superintendent U. S.
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Office of the Coast and Geodetic Survey,

Washington, D. C., ~~1899~~ ¹⁹⁰⁰ January 18

Descriptive Report to accompany Sheet No 2396.

Survey of Brunswick Outer Bar
Georgia.

Made by direction of the Hon. Secy. of War
under the River & Harbor Act of June 3 1896.

By Party of H. L. Marquand, Asst. Coast & Geodetic Survey
November 30 - 1898 to April 17 - 1899.

Scale $\frac{1}{1250}$ or 104 feet to one inch.

The edg^s are expressed in feet and tenths and
show the stage at Mean High Water the plane of
reference.

The curves shown are the 22 foot, 23, 24
and 25 feet.

The mean rise and fall of tides = 6.56 feet.
Bar Bench Marks: 101 three nails driven in the S.E.
pile of the Outer observing station, on a level with
the 10 foot mark of staff, on which Mean High Water
reads 9.66 feet. The bench is therefore 0.34 feet above
the plane of reference.

Treasury Department,

OFFICE OF THE COAST AND GEODETIC SURVEY,

Washington, D. C., 189 .

SUBJECT:

N^o 2. The lower edge of N E stringer supporting the floor of the Outer observing Station is 7.63 feet above Mean High tide.

The Outer observing station is not the same station as in the preceding survey. It was destroyed by storms and a new station built somewhat further to the Eastward than that of 1897 and both by Lt Peck in 1896-97 and by myself in previous survey 1897-98-)

The redetermination of the Geog^l position of the new stations gave:

Inner station	Lat. 31 05 49.58	Long. 81 20 18.13
Outer station	" 31 05 21.56	" 81 19 37.56
St Simons Lt Hd.	31 08 02.32	" 81 23 29.58

Brunswick Outer Bar is situated about 4 1/2 miles off shore, opposite the Entrance into St Simon Sound between the Islands of Jekyll and St Simon. The Bar is traversed by strong tidal currents of Ebb or Flood whose direction varies materially on different parts of the bar. The channel is well marked by numerous buoys but being a shifting one it is advisable to take a pilot both in and out.

All of the shipping bound for Brunswick Harbor and vicinity passes over this bar.

In 1897-188 vessels ranging from 17 to 23 feet with a tonnage of 180,164 tons. passed over the bar.

The chart shows a channel 23 feet deep at average high tide with a minimum width of 175 feet and an average width of 401 feet.

Also a channel 24 feet deep which is however choked up by a bulkhead through which the width of channel is only 93 feet. This bulkhead lies at the seaward entrance to the bar.

The length of the bar defined by the 25 foot contour inside and outside of the bar is practically the same as in 1897 equal to 4800 feet, but it shows a shift of about 150 feet to seaward so that the seaward face of the bar is that much farther off shore than in previous survey.

Respectfully Submitted
Henry L. Loring
Assistant