

2573

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S.H.A.  
2573  
1902

U. S. C. & G. SURVEY  
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Treasury Department,  
U. S. COAST AND GEODETIC SURVEY.

*O. H. Tittmann*  
Superintendent.

State: *Ga*

DESCRIPTIVE REPORT.

*Hydrographic Sheet No. 2573*

LOCALITY:

*Sapelo Sound, from  
Entrance to Dog Hammock*

1902

CHIEF OF PARTY:

*F. J. Weld*

2573

MAY 8 1902

Acc. No.

INSIDE SHEET. - *Sapelo Sound*Scale  $\frac{1}{20000}$ 

March 4th to April 11th, 1902.

This consists principally of a development of the anchorage at the National Quarantine Station and of the sound as far as Dog Hammock, with a few additional lines for the sake of affording comparison with the old survey.

A survey was also made of Front River, as many vessels load lumber at Sapelo Post Office. The wharves and buildings at points where lumber was loaded were also determined by means of the Plane Table as were the National Quarantine Pier and Hospital.

This work was executed at such times as work outside was made impossible by weather conditions and was considered secondary to it.

As noted in the report on the outside work, the sand points at the entrance have been greatly eroded. Some of this sand from the North Point has been carried into the sound and formed a bar just West of the point, with a least depth of 5ft. at mean low water. The red buoy at the entrance marks the Eastern end of this shoal.

Owing to the limited time put upon this work the contours were not determined as closely as was desired about the mouths of the various inlets.

The tides were observed at the National Quarantine Station

The hydrography was done under the immediate supervision of Mr. F. H. Ainsworth, 1st Watch Officer.

The smooth sheet was plotted and inked by F. F. Weld.

There were 982 angles and 4661 soundings taken in resurveying.

(2)

a total of 81.3 miles of sounding lines.

The topography was also done on this sheet, <sup>and</sup> consists of a total of 11.5 miles and is indicated by the detail shown. The other shore line shown was transferred from the original topographic chart (No. 721) of the region. There seem to be but few if any changes in the topographic features.

*Respectfully submitted,*  
*F. F. Weld,*

Assistant U. S. C. - U. S.  
Commanding,

*Str. Hydrographer*

*Officers not now in the Service*  
*(2573)*

*H.P.O.*  
*July 23. 03*

REPORT  
on  
HYDROGRAPHIC SHEET NO. 2573.

Sapelo Sound,  
Entrance to Dog Hammock,  
Ga.  
Assistant Weld,  
1902.

This sheet is supplementary to Hyd. Sheet No. 2572, and in its execution was made secondary to that sheet.

With one exception, all the members of the party were inexperienced in hydrographic work, as the results show.

The use of smooth hydrographic projection for plane-table work is neither necessary nor desirable.

The distribution of sounding lines is not the most advantageous; they have the appearance of having been run without the aid of a boat sheet. The plotted soundings were not well selected and those at positions were generally omitted.

Position numbers and circles are too large and obstruct sounding lines.

Zigzag work in Front River was entirely re<sup>pl</sup>oyed.

J.T.W. (Signed).