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Form 504  
DEPARTMENT OF COMMERCE  
U. S. COAST AND GEODETIC SURVEY

State: Georgia

11-5613

DESCRIPTIVE REPORT.

Hydrographic Sheet No. 4462

LOCALITY:

Georgia Coast

St. Simon Sound and Vicinity

1924

CHIEF OF PARTY:

F. S. Borden

DESCRIPTIVE REPORT

TO ACCOMPANY

HYDROGRAPHIC SHEET

NO. ....

( FIELD LETTER "F" )

ST. SIMON SOUND

AND

APPROACHES

1924

STR. BACHE

F. S. Borden

Comd'g

### Extent -

This sheet comprises the hydrography of the entrance to St. Simon Sound and Inlets. It joins the St. Andrew Sound Sheet to the southward, the Altamaha Sound Sheet to the northward and the offshore sheet to the eastward. Work was carried up each inlet until a satisfactory junction had been made with the older surveys.

No development work was done in the dredged channel which is maintained by the U. S. Engineer Corps.

### Changes

The new survey reveals many changes in the area covered by the sheet. The majority of these however are in the shoal areas. It will be noted that the shoal north of the entrance channel is advancing to the southward which condition obtains in all the inlets on this section of the coast.

### Aids to Navigation -

The buoys in the entrance channel are not shown on the sheet as these are located by the U. S. Engineers when each new channel survey is made by them. The signal shown as  $\odot$  Range approximately two miles  $120^{\circ}$  from St. Simon Lighthouse and on the north side of the channel, consists of a pile projecting about 15 feet above low water. It was placed by the Engineers in connection with their survey work. It was located on the topographic sheet from shore cuts.

The stack shown on the chart at National Quarantine Station has been destroyed and should be removed from the chart.

Two new stacks have been erected along the highway east of Brunswick. These are prominent from the entrance and it is recommended that they be placed on the chart. Their positions are shown in the insert on the topographic sheet.

### Inside Passage -

In connection with the survey of this area the inside passage between St. Andrew and St. Simon Sounds was surveyed except for the portion that is maintained by the U. S. Engineers. At the time the survey was made dredges were operating in this maintained section and no soundings were made in that locality.

### Control -

No additional triangulation was necessary in this locality, *except at the north end of sheet* as a sufficient number of old stations were recovered to control the survey.

Tidal Reductions -

Tidal Observations were made at St. Simon Island Lighthouse for work on this sheet. No time correction was applied except when sounding in the vicinity of the bar where it was considered the time of the tide was fifteen minutes earlier than at St. Simon Lighthouse. Tidal Curves accompany the sheet showing the methods employed in applying the corrections.

Respectfully submitted

*Frank S. Borden*  
Frank S. Borden.

Statistics Sheet No:.....

(Field Sheet " F " )

Date	Letter	Volume	Positions	Soundings	Miles	Vessel
30:	A	1	110	621	31.7	Launch 2
31:	B	1	98	508	21.5	do
Nov. 3:	C	1	59	321	15.0	do
3:	C	2	74	378	17.0	do
4:	D	2	76	386	16.5	do
5:	E	2	106	564	28.5	do
5:	E	3	11	71	4.0	do
6:	F	3	135	701	36.5	do
7:	G	3	108	636	34.0	do
7:	G	4	24	142	9.0	do
10:	H	4	11	57	3.0	do
12:	J	4	65	316	13.5	do
13:	K	4	116	641	31.0	do
14:	L	4	36	169	7.5	do
14:	L	5	43	238	11.0	do
28:	M	5	37	170	7.25	do
Dec. 2:	N	6	86	371	16.25	do
3:	P	6	28	151	6.25	do
5:	Q	6	37	176	13.25	do
Oct. 27:	A	7	45	278	12.6	do # 1
Nov. 6:	B	7	71	307	14.0	do
13:	C	7	133	720	38.2	do
14:	D	8	63	281	17.0	Ship
Dec. 10:	E	8	72	412	18.8	do
15:	F	8	50	251	11.5	do
Oct. 16:	A	9	71	411	18.0	Elsie
17:	B	9	135	1222	31.0	do
Total:			1900	10499	483.8	



Hydrographic Sheet No. 4462.  
St. Simon Sound and Vicinity  
Georgia Coast.

This survey covers both inside and outside areas. The inside areas and Channel approach are well sounded and while open spots occasionally appear in the work it is considered sufficient for a good development.

The outside portion of the Survey is quite open and the shoals can only be developed in a general way yet appears sufficient and no additional work is required.

The plotting practically accurate.

Position numbers and letters only appear at beginning and ending of lines.

Plotting good

Records clear.

Oct 1, 1925

John D. Torrey.

DEPARTMENT OF COMMERCE  
U. S. COAST AND GEODETIC SURVEY

WASHINGTON November 30, 1925.

SECTION OF FIELD RECORDS

Report on Hydrographic Sheet No. 4462

St. Simon Sound, Georgia

Surveyed in 1924

Instructions dated May 8, 1924 and Jan. 10, 1925.

Chief of Party, F. S. Borden

Surveyed by F. S. Borden, W. D. Patterson, T. B. Reed and C. I.  
Aslakson.

Protracted by E. J. Burke and J. A. McCormick.

Soundings plotted by E. J. B.

Verified and inked by J. D. Torrey.

1. The records conform to the requirements of the General Instructions, except for the omission of bottom characteristics on many pages and frequent omissions of descriptions of beginnings and endings of sounding lines. There are several soundings apparently one fathom in error that should have been checked by a responsible officer of the party.
2. The plan and character of the survey conform to the requirements of the General Instructions except for the defects noted in paragraph 2 of the review of H. 4472.
3. The plan and extent of the survey satisfy the specific instructions.
4. The sounding line crossings are adequate.
5. The information appears to be sufficient for drawing the usual depth curves. However the lack of completeness of the survey due to the causes noted in paragraph 2 has probably resulted in some inaccuracies in the curves.

6. The usual field plotting was done by the field party and was found to be accurate. It had two defects - the position numbers and day letters were much too large, and in general only the beginnings and endings of sounding lines were numbered. There were frequent instances of 15 to 17 consecutive unnumbered positions.
7. The junctions with the adjoining surveys are satisfactory. ✓
8. No additional surveying is required. ✓
9. The character and scope of the surveying and field drafting are fair.
10. Reviewed by E. P. Ellis, November, 1925.

DEPARTMENT OF COMMERCE  
U. S. COAST AND GEODETIC SURVEY

REG. NO. 4462

HYDROGRAPHIC TITLE SHEET

The Hydrographic Sheet should be accompanied by this form, filled in as completely as possible, when the sheet is forwarded to the Office.

Field No. "F"

REGISTER NO. 4462

State GEORGIA

General locality Georgia Coast

Locality St. Simon Sound and Inlet <sup>Vicinity</sup>

Scale 1:20000 Date of survey October - December, 1924

Vessel BACHE

Chief of Party Frank S. Borden

Surveyed by F.S. Borden, W.D. Patterson, T.B. Reed, C.I. Aslakson

Protracted by E.J. Burke, J.A. McCormick

Soundings penciled by E.J. Burke

Soundings in ~~fathoms~~ feet

Plane of reference Mean Low Water

Subdivision of wire dragged areas by

Inked by J. D. Torrey

Verified by J. D. Torrey

Instructions dated May 13, 1924

Remarks: The following records accompany sheet: 9 Sounding books

Des. Report; 2 Tide books; 1 Tidal Reducers; 2 Boat sheets: