



3371

C. & G. SURVEY,
BRADY AND COMPANY
JUL 5 1912
19.

Diag. Cht. No. 1341-1

Department of Commerce and Labor
COAST AND GEODETIC SURVEY

Superintendent.

State: *Georgia*

DESCRIPTIVE REPORT.

Hyd. Sheet No. **3371**

LOCALITY:

*Approach to
Osby Sound*

1912

CHIEF OF PARTY:

A. C. Holzner

11-4045

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Superintendent.

DEPARTMENT OF COMMERCE AND LABOR.

COAST AND GEODETIC SURVEY.

O. H. TITTMANN, SUPERINTENDENT.

Hyd. 3371

Hydrography - Georgia.

Resurvey of Approaches to Doboy Sound.

C. & G. S. S. BACHE.

W. C. HODGKINS, Chief of Party.

Begun May 14, 1912.

Ended June 29, 1912.

Scale 1:20000

Positions platted by S. D. Sarason.

DESCRIPTIVE REPORT

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to accompany Hydrographic Sheet No.

U. S. & G. SURVEY
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JUL 5 1912

Approaches to Doboy Sound, Georgia. No. No

Scale 1:20000.

Surveyed in May and June 1912,

by the party on the Steamer BACHE

under the command of Assistant W. C. HODGKINS.

This survey was made in pursuance of orders dated May 8, 1912, but not received until May 20.

Work under those orders was begun on May 23 and ended on June 1, but after the positions were platted and some of the reduced soundings put upon a tracing, it was found desirable to add a little more work on the bar and on June 28, the first fairly smooth day, this was done.

Work with the ship, outside of the bar, was also done on June 20 and 22 and on June 29 three lines were run across the bar to test the depth which could be carried in or out on a single course.

The positions of all of the buoys were fixed by angles from three shore stations.

It seems desirable that several, if not all, of the buoys should be moved to new positions which will better define the channel.

The survey shows that the north channel has nearly the same depth of water as the south channel, now marked by buoys, and is besides considerably straighter and more convenient for vessels from northern ports.

I therefore suggest that that channel should also be marked by buoys. This could readily be done without causing any confusion with the aids in the south channel.

DESCRIPTIVE REPORT NO. 2.

The survey shows that the limit of draft for this bar, with a smooth sea, is about nine feet at mean low water and fifteen or sixteen at high water, according to the tide.

In the day time, this entrance can readily be recognized by the two towers on the southern end of Sapelo Island and by the low bare shore of Wolf Island, with a large frame building, a clubhouse, near its southeastern point and an abandoned lighthouse and a range beacon, both also frame structures, about midway between the clubhouse and Sapelo Light. There is also a range beacon on Sapelo Island but it is not conspicuous from the offing.

The unused tower on Sapelo Island is a conical brick structure, painted in horizontal bands, alternately red and white, and is sometimes more easily distinguished in hazy weather than the new tower, which is a skeleton iron structure with a central cylinder to the lantern. The lantern is black and all below it white.

There is good anchorage ground in Doboy Sound, westward of the lighthouse.

Respectfully submitted,

W. C. Hodgkins

Chief of Party.

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

July 3, 1912.

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JUL 5 1912
Acc. No

STATISTIC SHEET

Date 1912	Letter	Vol.	Miles	Soundings	Angles	Boat.
May 14	A	1	7.25	199	77	BACHE.
" 25	B	1	3.00	35	79	"
" 27	C	1	5.75	114	52	"
" 28	D	1	38.60	1273	324	"
" 29	E	1	7.00	215	54	"
	E	2	47.21	1396	346	"
June 1	F	2	18.00	565	186	"
" 20	G	3	24.00	446	180	"
" 22	H	3	18.50	402	156	"
" 28	I	3	33.00	835	292	"
" 29	K	3	6.33	215	64	"
	K	4	29.00	764	244	"
TOTAL	10	4	237.64	6459	2054	"
May 23	a	1	1.75	90	36	LAUNCH 32.
" 24	b	1	31.00	1123	422	"
" 25	c	1	12.27	627	218	"
	c	2	7.48	322	110	"
" 28	d	2	21.00	1034	358	"
" 30	e	2	11.90	679	182	"
	e	3	16.63	977	242	"
" 31	f	3	18.40	907	308	"
	f	4	15.00	771	242	"
June 1	g	4	13.80	465	290	"
" 28	h	4	10.36	457	176	"
	h	5	13.82	468	200	"
TOTAL	8	5	172.51	7920	2784	"
STEAMER "BACHE"		4	237.64	6459	2054	
LAUNCH No. 32		5	172.51	7920	2776	
GRAND TOTAL		9	410.15	14379	4830	

VEC
Aug. 22, 1912.

HYDROGRAPHIC SHEET 3371.

Doboy Entrance, Georgia, by Asst. W. C. Hodgkins
in 1912.

TIDES.

	St. Simon Lt. ft.	Sapelo Light ^{Dr.} ft.
Mean low water, or plane of reference on staff	0.8	0.7
Lowest tide observed " "	-1.2	-1.3
Highest " " " "	9.6	10.4
Mean range of tide	6.8	7.2

Coast and Geodetic Survey
AUG 22 1912
TIDAL DIVISION

Hyd Sheet No 3371

Sept 13, 1912

The depth which can be carried across the bar through the buoyed channel and also at the northern entrance is shown to be about 8 feet. There are several shoaler spots on the bar and a 7 ft sounding is shown on the edge of the channel directly on a line between the two red buoys. A few additional lines, at this point and at the other entrance, should have been run.

H. L. Simons

Verified by J. D. Torrey Sept 17/12