



49
3546

C. & G. SURVEY,
LIBRARY AND ARCHIVES
NOV 26 1913
Acc. No. _____

Diag. Chart No.

79°-80°

32°-33°

Department of Commerce and Labor
COAST AND GEODETIC SURVEY

Superintendent

State: *South Carolina*

DESCRIPTIVE REPORT

Hyd Sheet No. *3546*

LOCALITY

*Bull Bay to
Pelena Sound*

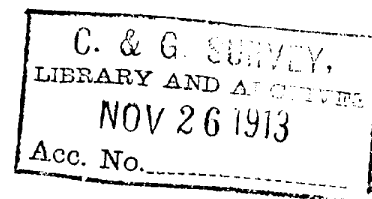
191

CHIEF OF PARTY

W. D. Hodgkins

3546

3546



DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY
O. H. TITTMANN, SUPERINTENDENT

HYDROGRAPHY
SOUTH CAROLINA
BULL BAY TO HUNTING ISLAND

C. & G. S. Steamer BACHE
W. C. Hodgkins, Chief of Party

Begun August 7, 1912

Ended June 5, 1913

Scale 1:100,000

Platted by Leon A. Potter

3546

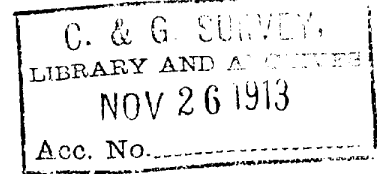
DESCRIPTIVE REPORT

to accompany Hydrographic Sheet No.

Scale 1:100,000

Coast of South Carolina

1913



The work on this sheet is the development of the offshore hydrography in certain specified localities off the coast of South Carolina indicated on an index chart which was furnished with the instructions. In addition to the work in the specified areas, some other lines were run in making passages to or from port.

All of the soundings were taken with the hand lead unless otherwise stated in the record.

Tides were read at Fort Screven wharf, Savannah River entrance, and for some of the work off Charleston the tide curve from the automatic gauge at Fort Sumter was obtained from the District Engineer Officer, U. S. Army, at Charleston.

The greater part of this work lay too far from shore to permit fixing positions by angles and dependence had therefore to be placed upon the compass courses and logged distances, checked when possible by current and astronomical observations and by closure upon known objects on the return.

Respectfully submitted,

Chief of Party.

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

November 26, 1913

3546

U.S. GEOLOGICAL SURVEY,
 LIBRARY AND ARCHIVES
 NOV 26 1913
 ACC. NO. 100V

STATISTICS OF WORK

Hydrographic Sheet No.

Coast of South Carolina

Scale 1:100,000

1913

Date	Letter	Vol.	Miles	Soundings	Angles	Positions	Boat used
1912							
Aug. 17	A	1	17.96	190	3	37	BACHE
1913							
Feb. 21	B	1	44.30	335		63	"
Mar. 8	C	1	41.57	493	1	67	"
Apr. 26	D	1	49.39	331		53	"
May 5	E	1	32.28	418		68	"
" 9	F	2	62.28	744		94	"
" 12	G	2	9.56	145		20	"
" 13	H	2	73.81	772		123	"
" 14	I	2	48.91	574		94	"
" 15	K	3	31.59	345		59	"
" 16	L	3	51.69	523		93	"
" 17	M	3	29.93	351		60	"
" 20	N	3	22.11	314	73	66	"
" 21	O	3	28.21	391	12	55	"
		4	22.93	311	9	44	"
" 26	P	4	35.91	517	4	73	"
" 27	Q	4	64.48	881		129	"
" 29	R	4	19.92	288		37	"
		5	7.72	100		14	"
" 31	S	5	43.69	628		87	"
June 4	T	5	51.24	759		99	"
" 5	U	5	53.43	569	4	84	"
Totals	20	5	842.91	9979	106	1519	

VEC
Dec. 18, 1913.

HYDROGRAPHIC SHEET 3546.

Coast of South Carolina, by party of Assistant
W. C. Hodgkins in 1913.

TIDES.

	Fort Sumter ft.
Mean low water, or plane of reference on staff	0.0
Lowest tide observed " "	-2.8
Highest " " " "	11.5
Mean range of tide	5.0

VEC
Dec. 27, 1913.

HYDROGRAPHIC SHEET 3549. (131)
6

Tybee Island, Fort Screven Wharf, Savannah
River Entrance, Georgia.

TIDES.

	Fort Screven ft.
Mean low water, or plane of reference on staff	2.3
Lowest tide observed " "	-0.9
Highest " " " "	12.7
Mean range of tide	6.8