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# 3217

Diag. Chart No. 1239-1

C. & G. SURVEY,  
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Department of Commerce and Labor  
COAST AND GEODETIC SURVEY

Superintendent.

State: S.C.

## DESCRIPTIVE REPORT.

Tydel. Sheet No. 3217

LOCALITY:

Charleston Harbor - Entrance  
to Main Channel

1900

CHIEF OF PARTY:

H. C. Hodgkins

B

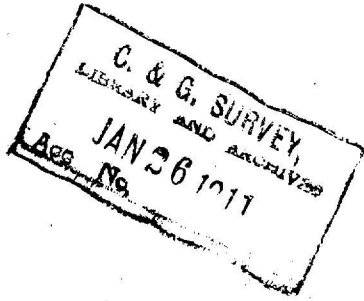
3217

# 3217

DEPARTMENT OF COMMERCE AND LABOR.

Coast and Geodetic Survey.

O. H. TITTMANN, SUPERINTENDENT.



Hydrographic Resurvey of Approaches to Charleston Harbor,

SOUTH CAROLINA.

C. & G. S. Steamer RACHE.

W. C. Hodgkins, Chief of Party.

Began May 19, 1910.

Ended June 10, 1910.

Scale 1:20,000

Positions plotted by O. M. Straube.

*Soundings plotted & ranked by J. H. Torrey*  
*Verified by H. L. Simons*

RECEIVED  
BY ASSISTANT IN CHARGE  
AND REFERRED TO

DEC 8 1911

INSP. H. & T.

D. & E. DIV.

TIDAL DIV.

*Library*

DESCRIPTIVE REPORT

to accompany Hydrographic Sheet No. 3217.

Scale 1:20000

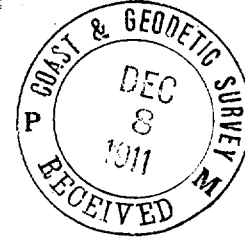
CHARLESTON HARBOR, S. C., ENTRANCE TO MAIN CHANNEL.

Surveyed in 1910,

by the party on the Steamer BACHE, Commanded by

Assistant W. C. Hodgkins.

*Assistant in Charge.*



C. & G. SURVEY,  
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This sheet shows work done by the launch on Charleston bar and between the jetties, while the BACHE was working outside.

This work was done to utilize the ship's force as fully as possible and to get all possible information in regard to this important entrance.

Though the commerce of this port is not now very extensive, it shows some signs of increase over the condition of the recent past and the harbor is so commodious and easy of access that it must become more important in the future.

A tide staff was established on the outer side of the north jetty and tides were observed while soundings were being made. The U. S. Engineers also maintained an automatic gauge at Fort Sumter.

Respectfully submitted,

*W. C. Hodgkins*

Assistant Coast and Geodetic Survey,  
Commanding BACHE.

November 29, 1911.

To the Superintendent,

Coast and Geodetic Survey,

Washington, D. C.

STATISTICS HYD. SHEET "D".

C. & G. SURVEY,  
LAUNCH AND RECEIVED  
JAN 26 1911  
App. No.  
Miles.  
Boat.  
Statute.

Date 1910.	Letter	Vol.	Positions.	Sound'gs.	Miles. Statute.	Boat.
May 19	A	1	14	87	4.0	BACHE.
" 21	B	1	70	405	17.7	"
" 24	C	1	120	700	32.1	"
" 26	D	1	1 to 17 54 to 63 82 to 96	238	11.6	"
" 27	E	2	1 to 12 42 to 59	169	8.1	"
" 28	F	2	1 to 14 29 to 80	386	18.8	"
" 31	G	2	1 to 26 96 to 130	340	15.1	"
June 1	H	3	3 to 21	111	5.8	"
" 2	J	3	1 to 85	478	22.5	"
" 3	K	3	22 to 155	756	32.7	"
" 4	L	4	1 to 15 35 to 139	650	30.4	"
" 10	M	4	1 to 21 48 to 95	288	14.6	"
TOTAL.	12	4	639	4585	212.8	BACHE.
May 28	a	1	83	665	13.8	Launch
June 1	b	1	63	373	11.9	"
" 2	c	1	55	525	10.8	"
TOTAL.	3	1	201	1563	36.5	Launch

472500

V.E.C.  
Feb. 9, 1911.

HYDROGRAPHIC SHEET 3217.

*W.C.H.*  
*2/14/11*

Approaches to Charleston Harbor, South Carolina, by  
Asst. W. C. Hodgkins in 1910.

TIDES.

	North Jetty ft.	Fort Sumter ft.
Mean low water, or plane of reference on staff	4.4	0.0
Lowest tide observed " "	3.8	-2.8
Highest " " " "	9.9	11.5
Mean range of tide	5.2	5.0

Coast and Geodetic Survey  
FEB 14 1911  
TIDAL DIVISION

July 3, 1911

Hydrographic Sheet # 3217.

Area surveyed surveyed and covered by this sheet  
well covered with soundings except possibly the area  
between Lat.  $32^{\circ} 42' - 32^{\circ} 43'$  Longt  $79^{\circ} 44' - 79^{\circ} 47'$

Positions plotted by Field Party found in error in  
several cases.

The soundings develop such ragged lines would seem  
to indicate errors in field work.

J. D. Torrey

Applied to compilation of chart # 491

May 7, 1935

G. H. S.

Applied to chart 1238

P.H. Andrews  
5-3-44