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3032
1909

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Diag. Cht. No. 1206-2

Department of Commerce and Labor
COAST AND GEODETIC SURVEY

C. H. Tittmann
Superintendent.

State: *Me. & N. H.*

DESCRIPTIVE REPORT.

Hydrographic Sheet No. *3032*

LOCALITY:

*York River Harbor to
Rye Harbor*

20,000

1909

CHIEF OF PARTY:

W. C. Hodgkins

3032

DESCRIPTIVE REPORT

to accompany Hydrographic Sheet No.

APPROACHES TO PORTSMOUTH, NEW HAMPSHIRE.

Scale 1:10000.

Surveyed in October and November, 1909.

by the party on the Steamer "BACHE" commanded by

Assistant W. C. Hodgkins.

RECEIVED
BY ASSISTANT IN CHARGE
AND REFERRED TO

DEC 16 1909

Laid a

COAST AND
GEODETIC SURVEY

DEC 16 1909

REFERRED TO:

Assistant in Charge

This work included a general development of the depths for a distance of about 5 miles off shore, northeastward from the mouth of the Piscataqua River to the vicinity of York Beach, a distance of about five miles, and special developments of a considerable number of shoals and of the bottom close along shore.

In addition to this a series of lines parallel to the trend of the shore was run for about the same distance to the southwestward, crossing the lines of previous work.

The principal characteristic of the area surveyed is its extreme irregularity of depth, changes of several fathoms frequently occurring between successive casts of the lead. This, coupled with the generally rocky character of the bottom, makes it seem probable that not all of the shoal pinnacles can be detected by the lead and that at some convenient opportunity this area should be examined with a wire drag.

The weather conditions were only moderately favorable, there being a good many rough and windy days and some fog.

Tidal Observations were made at Fort Constitution, New Castle, New Hampshire.

Respectfully submitted,

To the Superintendent,
Coast and Geodetic Survey,
December 14, 1909.

Washington, D.C.

W. C. Hodgkins
Assistant, Coast & Geodetic Survey,
Commanding

DEPARTMENT OF COMMERCE AND LABOR.

COAST AND GEODETIC SURVEY.

O. H. TITTMANN, SUPERINTENDENT.

Portsmouth, N. H.

C. & G. S. Str. "BACHE".

W. C. HODGKINS, Chief of Party.

Began October 13, 1909.

Ended November 6, 1909

Scale 1:20000

Positions plotted by Wm. Sanger.

Sundays " " HZS
Verified by R. L. Johnston.

STATISTICS SHEET "I".

Date. 1909.	Letter.	Vol.	Pos.	Sound'gs.	Miles	Boat.
Oct. 13.	A	1	57	158	8.6	Str. "BACHE".
" 14.	B	2	91	300	24.6	"
" 15.	C	1	41	112	8.6	"
" 16.	D	1	109	331	25.2	"
" 18.	E	1	123	409	27.7	"
" 19.	F	2	109	382	25.2	"
" 20.	G	2	95	386	25.3	"
" 21.	H	3	119	401	29.0	"
" 23.	I	3	86	219	19.8	"
" 26.	J	3	122	378	33.5	"
" 27.	K	3	66	258	13.5	"
" 27.	K	4	64	282	13.4	"
" 28.	L	4	115	359	33.2	"
" 30.	M	4	117	292	28.1	"
Nov. 1	N	4	113	294	26.4	"
" 4	O	5	120	438	24.5	"
" 6	P	5	102	375	21.9	"
TOTAL.	16	5	1649	5374	388.5	"
Oct. 15.	a	1	47	225	5.3	Launch No. 31.
" 16.	b	1	127	646	19.5	"
" 18.	c	1	79	325	10.0	"
" 19.	d	2	112	474	13.8	"
" 20.	e	2	150	536	12.5	"
" 21.	f	3	144	654	14.5	"
" 22.	g	3	124	559	13.4	"
" 26.	h	4	149	720	18.1	"
" 27.	i	4	93	477	11.8	"
" 28.	j	5	123	469	15.3	"
Nov. 1.	k	5	125	570	15.8	"
" 4.	l	6	146	673	16.6	"
" 5.	m	6	32	83	2.3	"
TOTAL.	13	6	1451	6411	168.9	"
RECAPITULATION.						
Str. BACHE.	16	5	1649	5374	388.5	
LAUNCH 31.	13	6	1451	6411	168.9	
GRAND TOTAL.	29	11	3100	11785	557.4	

All soundings shown in feet.

V.E.C.
Jan. 26, 1910.

HYDROGRAPHIC SHEET NO. 3032.

Portsmouth, New Hampshire, by Assistant W. C.
Hodgkins in 1909.

TIDES.

	Fort Constitution ft.
Mean low water, or plane of reference on staff	3.0
Lowest tide observed " "	-0.4
Highest " " " "	14.7
Mean range of tide	8.7

Coast and Geodetic Survey
JAN 26 1910
TIDAL DIVISION

Hyd. Sheet No 3032

Apr 4, 1910

In the general development of this area the ground is well covered and several of the shoal spots have been carefully examined. There are however a number of places, where shoals are indicated, which have not been sufficiently developed.

The records were done & well kept.

H. L. Simons

A few minor changes were made in the verification of this sheet. Some soundings were changed and the curves slightly corrected. Also five rocks were added, in the vicinity of signals "Poca", and "Whale". They lie S.E. of "Poca" and N.E. of "Whale". These could only be located approximately from notes in the sounding records, as they are not shown on the Top. sheet.

Verified

Jan. 3rd, 1911

R. L. Johnston
Draftsman

applied to Chart 211 to fill in areas not recently surveyed
N.E.M. 28 Oct. 1957.