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U. S. DEPARTMENT OF COMMERCE,
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3184

Department of Commerce and Labor
COAST AND GEODETIC SURVEY

Superintendent.

State: *Mass*

DESCRIPTIVE REPORT.

Hyd. Sheet No. *3184*

LOCALITY:

Buzzards Bay - Upper part

190

CHIEF OF PARTY:

B

3184

T I T L E.

C. & G. SURVEY,
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Department of Commerce and Labor
Coast and Geodetic Survey

O. H. Tittmann, Supt.

B U Z Z A R D S B A Y

M A S S.

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Hydrographic re-survey of various localities where work of
1896—7 appeared defective.

C h i e f o f P a r t y

J. B. Boutelle,

Assistant, C. & G. Survey.

*Soundings reduced, plotted and inked by
Means: Edw. D. Gordon, jr. Aid. C. & G. S.
Chester D. Clark, " " " "
Verified by H. L. S.*

3184

U. S. GEOLOGICAL SURVEY,
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C o a s t a n d G e o d e t i c S u r v e y

D E S C R I P T I V E R E P O R T

t o a c c o m p a n y

H y d r o g r a p h i c S h e e t N o. *3184*.....

B u z z a r d s B a y, M a s s

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The work shown on this sheet was for the purpose of making an examination of various localities where the work of 1896--7 appeared very doubtful or failed to cross. The work of 1910 was done with great care, every precaution possible being taken to avoid errors and it ~~crosses~~^{crosses} very closely. The doubtful soundings or lines were plotted on the boat sheet and re-run as closely as possible.

In cases where a single sounding was in doubt in addition to the lines run and recorded a careful search was made ~~at~~^{over} and around the locality by using the gig and feeling with the lead for any shoaler water than was recorded.

In most cases the old work was found to be in error the discrepancies ranging from a few feet to 4 fathoms. The greatest discrepancy is found on the spot south of the dumping

(2)

ground in latitude 41° 35' longitude 70° 40'. The 1897 survey shows a considerable group of soundings of from 28 to 30 feet. The 1910 survey shows from 8 to 9 fathoms over this area with a soft mud bottom and no indication of shoaler water.

4 tracings accompany this sheet showing soundings of 1896--7 for the purpose of comparrison with the work of 1910. Also one boat sheet and a copy of chart #349 with areas indicated for re-survey.

Respectfully submitted,

J. D. D. D. D.

Assistant, Coast and Geodetic Survey.

3184

Buzzards Bay, Mass

C. & G. SURVEY,
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OCT 5 - 1910

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Table of statistics

Hydrographic sheet No.....

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Date 1910	Letter	Vol	Positions	Soundings	Miles	Vessel
June 28,	A	1	61	304	9.0	ENDEAVOR.
" 29,	B		150	773	23.0	" "
" 30,	C		80	394	6.7	" "
" 30,	C	2	61	289	7.5	" "
July 1,	D		103	450	11.5	" "
" 5,	E		86	306	8.5	" "
" 6,	E		79	268	8.3	" "
" 6,	F	3	18	68	2.5	" "
" 7,	G		87	401	9.7	" "
" 8,	H		115	482	13.9	" "
" 9,	I		62	229	8.2	" "
" 12,	J		19	79	1.5	" "
" 12,	J	4	91	417	11.2	" "
" 13,	K		30	101	1.0	" "
" 14,	L		130	539	13.6	" "
" 15,	M		48	221	4.8	" "
" 15,	M	5	42	165	5.2	" "
Aug. 8,	N		81	283	9.7	" "
" 9,	O		118	641	12.0	" "
" 12,	P		36	194	6.5	" "
" 12,	P	6	94	465	11.5	" "
July 12,	Q	7	35	160	3.1	G <i>i</i> g.
" 16,	R		53	248	3.2	" "
Aug. 12,	R		40	191	3.0	" "
" 13,	R		78	283	4.2	" "

T o t a l s : 1797, 7951, 199.3

J. B. Donnell
 Comd. U.S.S.
 Chief of Party

V.E.C.
Oct. 26, 1910.

HYDROGRAPHIC SHEET 3184.

Buzzards Bay, Mass., by Asst. J. B. Boutelle,
in 1910.

TIDES.

	Clark Point ft.	Mattapoissett ft.	West Falmouth ft.
Mean low water, or plane of reference on staff	3.7	1.5	0.7
Lowest tide observed	" " 2.4	0.2	0.0
Highest " " " "	10.0	6.6	5.8
Mean range of tide	3.9	4.1	4.1

Coast and Geodetic Survey
OCT 27 1910
TIDAL DIVISION.

Hyd Sheet 3184

Nov 8 1910

This work shows a very good development of the area examined.

The 19ft sounding at the entrance to Catamount Harbor is doubtful. Additional soundings should have been taken over this spot.

The soundings on this sheet were marked in the field which is not in accordance with the instructions for hydrographic work.

J. L. Simons