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1907

Department of Commerce and Labor
COAST AND GEODETIC SURVEY

W. T. Mann
Superintendent.

State: *New York*

DESCRIPTIVE REPORT.

Hyd Sheet No. *2914*

LOCALITY:

Northwest of Gard *Island* *should be Hart*

1907

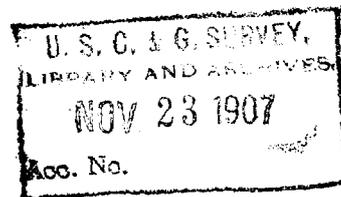
CHIEF OF PARTY:

W. T. Mann

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HYDROGRAPHIC SHEET "A"

LONG ISLAND SOUND

Near City Island, NEW YORK.

Showing area covered with the wire drag by the party
in charge of N. H. Heck, Assistant, C.&G. Survey.

November 1907

Scale 1/10000

DESCRIPTIVE REPORT

HYD. SHEET "A"

Long Island Sound, Vicinity of City Island, N. Y.

Submitted by N. H. Heck, Assistant, Chief of Party

The area on this sheet was covered with the wire drag to effective depths of 24-22-20-18 feet according to the depth of the water, by a section of the wire drag party, between Nov. 4 and 16, 1907. As a result of this survey 14 uncharted shoals were found.

A large number of the shoals extended very little above the bottom as charted, but in the vicinity of Chimney Sweeps Buoy the following shoals were found:

The shoal on which the cable ship CYRUS W. FIELD struck was found very near the spot indicated and of depth stated, 10 feet. The shoal on which the L. H. Tender John Rodgers struck was found to have 6 feet on it. $8 \frac{3}{4}$ feet was the least water found at the buoy though but little time was spent in the examination as the shoal appeared on the original sheet. Attention is called to the fact that no shoal was found where the Explorer worked in 1906, according to statement on photograph of original sheet which has been returned to the Office. A 15 foot shoal was found about $\frac{1}{4}$ mile SW of Blauzes Rock where the chart shows 24 feet. All depths are given in feet at M.L.W.

Drag Depths.

Pull	36-33	32-29	28-25	
70	32.5	29.5	26.5	
80	31.5	28.5	25.5	
90	30.5	27.5	24.5	
100	29.5	26.5	23.5	
110	28.5	25.5	22.5	
120	27.5	24.5	21.5	
130	26.5	23.5	20.5	

Positions of hydrographic signals near City Island N. Y.

Signal	Latitude	Sec. in metres	Longitude	Sec. in metres	Description.
Goda	: 40° 53'	: 238	: 73° 46'	: 11987	: Pagoda on Glen Island.
Dave	: 40° 52'	: 1535	: 73° 46'	: 278	: Tower on David's Island.
Spire	: 40° 50'	: 1633	: 73° 47'	: 341	: Church spire on City Island.

Hyd. Sheet No 2914

Jan. 15, 1908.

Asst. Heck, in his descriptive report, calls attention to the fact that no shoal was found where the Explorer worked in 1906.

On going over the work of 1906, by Asst. DeBull, I found that the soundings were not plotted correctly. When replotted the position of the shoal also the depth agree with that found by Asst. Heck about 480 meters east of St. Blasius Rkr.

The wire drag was used on this work set to set to effective depths of 24-22-20-18 ft according to the depth of water.

The records were kept in a satisfactory manner.

H. L. Simmons

Statistics of Work of WIRE DRAG PARTY

Long Island Sound, Near City Island N. Y.
N. H. Heck Assist. & Chief of Party

Nov		Launch #1			Launch #2			Miles	Length of Drag
Date	Letter	Vol.	Angles	Sound-ings	Vol.	Angles			
8	A	1	36	2	1	24	3/4	500 ft	
9	B	1	112	7	1	78	4-1/2	500 "	
11	C	1	104	10	1	68	3-1/4	500 "	
12	D	2	156	10	2	102	5	500 "	
13	E	2	84	4	2	50	3	500 " & 300 "	
15	F	2	112	1	2	96	3	300 "	
Total		2-Vols	604	34	2-Vols	418	19 1/2		

*Soundings plotted by Field Party
Checked & ranked by N. H. Heck*

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Area covered by drag

Minimum effective
depth 18 feet

Study by Mr. Watkins

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