

TABLE II.—UNDER-CURRENTS; THEIR VELOCITY AND DIRECTION.

The positions of the stations are shown on the chart, Plate I. The time of the observations is Standard time for the 60th meridian, reckoned on the 24 hour system from midnight to midnight. The figures in the columns show the velocity of the current in knots per hour; and the directions are those towards which the current sets. These directions are magnetic. Variation, 29° to 34° W.

These results were obtained by means of an attached surface float, a current meter at three fathoms, and a deep fan supported by sounding wire; in accordance with the methods explained in the body of the report. The results as given are reliable. When the under-current was so slow that its bearing was uncertain, its general direction only is given. The velocity is correct to the nearest tenth of a knot; and if uncertain, it is omitted. (See pages 11 to 14).

STATION B.—OFF HEATH POINT, ANTICOSTI. DEPTH, 52 FATHOMS.

Depth.	Saturday, 18th July, 1896.							20th July.	
	10.30	13.10	14.00	15.30	16.30	17.40	18.40	9.30	10.30
Surface....	0.5 E b S	0.9 SE	0.8 SE	0.8 SE	0.8 b E	0.9 S b W	1.1 SW	0.2 E b S	0.3 SE
3 fathoms...	0.4 E b S	0.9 SE	0.8 SE	.....	0.8 b E	0.9 SW	0.9 WSW	None.	0.3 S ly
10 do ..	None.	0.4 E	0.7 E	.....	None.	0.3 SW	0.6 W b S	None.	Slack.
20 do ..	None.	0.4 E	0.4 E	0.5 NE	0.4 NNE	None.	0.5 W ly	0.6 W b S	0.3 W b N
30 do ..	.....	0.5 E	0.5 N	0.3 NE	0.6 NNE	None.	0.6 W ly	0.4 W b S	.....
40 do ..	.....	.....	0.5 N	.....	0.8 N b W	0.4 ENE	0.6 W ly	0.4 W b S	.....

Depth.	Monday, 20th July—Continued.					Tuesday, 21st July.			
	11.30	12.10	13.50	16.15	19.15	10.15	10.50	11.30	14.20
Surface...	SE b E	SE b E	0.6 ESE	0.6 E b S	0.5 ESE	None.	None.	0.5 WSW	0.5 ENE
3 fathoms...	0.3 SE	0.4 SE	0.5 SE	0.5 ESE	0.3 NNE	0.6 SW	0.7 W	0.6 ENE	0.5 ENE
10 do ..	None.	0.4 SE	0.5 NE	0.4 ENE	0.4 NNE	1.0 W b N	0.8 W	0.6 NE	0.6 NE
20 do ..	0.3 NW	None.	0.5 NNE	0.6 ENE	0.5 NE	0.7 W b N	0.6 W	0.3 E	.....
30 do ..	0.4 WNW	.....	None.	0.5 ENE	0.3 NE	0.5 WSW	0.7 W	None.	.....
40 do ..	0.4 WNW	0.2 NW	None.	0.5 NNE	0.4 NE	0.5 WSW	0.7 WSW	Undercur- rent comes up to surface.	.....

Depth.	Tuesday—Con'd.		Wednesday, 22nd July, 1896.						
	16.00	17.00	9.45	10.40	11.10	13.50	16.10	17.50	18.45
Surface....	0.8 NE	0.9 NE	0.1 W ly	0.1 W ly	None.	0.3 NE	0.3 ESE	0.3 ESE	0.4 SE
3 fathoms...	0.8 ENE	0.9 NE	0.5 NW	0.5 W	0.6 WNW	0.6 —	0.7 E	.....	None.
10 do ..	0.7 ENE	0.5 NE	0.5 WSW	0.5 W	0.7 W	0.3 W ly	0.8 NE	.....	0.5 E
20 do ..	0.5 NE	0.6 NE	0.2 W ly	0.4 W	0.5 W	0.9 NW	0.6 NNE	.....	0.6 NNE
30 do ..	0.5 NE	0.7 NE	0.2 W ly	.....	0.4 W	0.8 NW	0.6 NNE	.....	0.6 NE
40 do ..	0.7 NE	0.7 NE	None.	.....	0.4 W	0.7 WNW	0.9 N	.....	0.8 NNE