

3. It is now proposed to complete the series of tide gauges required in the Gulf, and on the Atlantic coast; and also to commence the Survey of the currents in the Gulf of St. Lawrence.

4. The credit of \$10,000 voted by Parliament, was for the erection of tide gauges and the reduction of the tidal observations; and did not include provision for the Survey of the currents.

5. It may also be noted that out of the two annual credits of \$10,000 each, made available up to June, 1893, little over one-fourth was actually expended on the work.

I have, sir, the honour to remain,
Your obedient servant,

W. BELL DAWSON,
Engineer in charge of Tidal Survey.

SURVEY OF TIDES AND CURRENTS.

ESTIMATE FOR THE FISCAL YEAR 1894-95.

Three new tidal stations at Belle Isle, Halifax, and Yarmouth, including cost of tide-gauges and erection....	\$ 3,500
Removal of tide-gauge from Magdalen Islands to Miramichi, after nine months.. .. .	900
Completion of gauge at Father Point.....	700
Maintenance of nine tidal stations, at \$300 each, including salary of observers	2,700
Publication of tide tables.....	300
Engineer in charge, salary	2,000
Assistant to supervise erection of tide-gauges, and three assistant surveyors and computers, for survey of the currents, and for working up the tidal observations.	3,600
Travelling expenses and field expenses of staff....	1,800
Hire of boatmen	900
Fittings for steamer, deep sea anchorage, sounding appliances, current meters, instruments, &c.....	2,500
Add for contingencies—say 5 per cent.....	1,100
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	\$ 20,000
Use of steamer for four months at the rate of \$15,000 for a full season of seven months.....	9,000
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	\$ 29,000