

The results are given for the following lines:—

1. St. John, N.B., to Moncton, N.B.
2. Oxford Jet., N.S., to Mulgrave, N.S.
3. Lennoxville, Que., to Stanstead, Que.
4. Lennoxville, Que., to 15 miles east of Megantic.
5. Megantic, Que., to Levis, Que.
6. Kempton, Ont., to Ottawa, Ont.
7. Colborne, Ont., to Toronto, Ont.
8. Toronto to Windsor, Ont.
9. Toronto to Owen Sound, Ont.
10. Owen Sound, Ont., to Hyde Park Jet., Ont.
11. Hamilton to Bridgeburg, Ont.
12. Bolton, Ont., to Bala, Ont.
13. Stephen, Minn., to Regina, Sask.
14. Regina, Sask., to Girvin, Sask.

Line 1 is a continuation of the line from St. Stephen published in the Chief Astronomer's Report for 1910, and the same datum in St. Stephen is used. A connection was made with bench-mark CCCXXXVI of the Public Works Department in Moncton station-house, and line 2 was started from another of their bench-marks, CML, in a bridge abutment at Oxford Junction; the difference in elevation between these two benches, as determined by the Public Works Department, has been used to furnish us the datum for line 2. Lines 3 and 4 are branches from the previously published line from Sherbrooke to Norton Mills, and line 5 is a branch from line 4. Line 6 is a branch from the Rouse Point Toronto main line, a portion of which line, as far as Colborne, has been published; the remainder is given in this publication as line 7, the mileage and total discrepancy being carried through continuously from Rouse Point to Toronto. Line 8 is a continuation of line 7, while lines 9 and 10 are commenced at the same place as line 8, namely Toronto, and carried through a more northerly route to close on it near London. Line 11 is a branch from line 8, and line 12 a branch from line 9. Line 13 was started from bench-mark Q-6 of the United States Coast and Geodetic Survey at Stephen, Minn.; the elevation of which, based on the 1912 adjustment, is 253.2673 metres or 830.928 feet; this is the datum for all elevations on this line and on line 14, which is a continuation northwesterly from Regina.