

which occupies much of the country thence to the Ottawa

In the western portion of the city proper, the Trenton is well developed at many points. It constitutes the bold escarpment at the west of Maria and Lisgar streets, and can be seen in the cuttings along the line of the Ottawa and Parry Sound railway in the direction of Hintonburg. Good outcrops are exposed along the east side of the canal expansion on the road to the Experimental Farm as also to the west of that depression on the portion of the farm east of the fault which separates the Trenton from the Black River. Along the line of the Parry Sound railway a number of cuttings are seen in which the relations of the Trenton to the Black River can be well studied, and several instances of faulting are apparent. Some of these disturbances are in the beds of the Trenton entirely, while others affect the two formations. The strata at the contact dip at a high angle, or from fifty to seventy degrees, with a course of twenty to thirty north of west, magnetic. This is the same direction as noted in Tetreauville on the north side of the Ottawa, as also at Fairy Lake, where the contact of the two formations is similar, several faults being visible at both these places.

To the north of Hull on the road to Chelsea, the Trenton beds appear to overlap the other formations and the underlying strata are not exposed in this section, though this may be due to the great deposits of clay which cover so large an area west of the Gatineau. East of this river, where the continuation of this formation might naturally be looked for, the surface is also clay-covered for miles, but the outcrops which occasionally appear at no great distance back from the Ottawa are of gneiss, while at the mouth of the Wabassee Creek, three miles east of Gatineau Point, the Calciferous and Potsdam come to the shore of the river from the vicinity of Templeton station. There is apparently a line of fault in the direction of the lower Gatineau which separates the rocks of these two formations from the