

west, will cut all the points at which the line of fault between the Black River and Trenton are seen, though there are several minor breaks clearly visible at a number of places intermediate between the two extremities of this line. This fault is particularly well exposed at Tetreauville, along the railway and on the shore; at Mechanicsville, at the west side of the deep cove, and on several of the roads in this village; along the line of the Ottawa and Parry Sound railway, and at the Hog's Back. South of the Richmond road, near Skead's Mill, Black River limestones are also exposed to the line of the railway and these beds appear to pass beneath the escarpment of Trenton which occupies the area between that road and City View post office.

To the east of the city the beds of the Black River are seen at the entrance of Beechwood cemetery, overlaid by the Trenton on the south and east of this. In the direction of Green's Creek, this formation keeps to the north of the Montreal road in the vicinity of Robillard's quarries which are in the overlying Trenton. From this place it can easily be followed in escarpments and broad ledges to the crossing of the South Nation River, being well observed at Rockland and Clarence Creek about three miles south of the Ottawa. In this direction also almost continuous exposures are seen along the road between ranges II and III, Gloucester, for several miles, or nearly to the eastern line of Carleton county. The characteristic corals of the formation can be obtained in abundance at all these places. They are also well seen to the south of the village of Cumberland and form broad, nearly flat lying, ledges for a long distance.

West of the fault in Mechanicsville the limestones of the Black River are also well exposed along the line of the Canadian Pacific railway as far west as Skead's Mill corner, where the formation passes down into the Chazy.

The Trenton formation is probably the most widely distributed in the city of Ottawa and vicinity. It is also well de-