

served here and there as far as Elm Bay on (Big) Wabigoon Lake, around the head of Little Wabigoon Lake, and in various localities along the track as far east as Taché, and as far west as Eagle River, there is a considerable thickness of stratified, drab clay, with an occasional reddish band. In some places the stratification of the clay was observed to dip at high angles. Small nodules of curious forms are sometimes found in it.

From the Wabigoon River to within about nine miles of Rat Portage, ^{Wabigoon River to Rat Portage.} Mr. Molson found only Laurentian gneiss, with the exception of a narrow ^{Gneiss.} band of argillaceous slate near the north-east corner of Feist Lake, and ^{Schists.} a belt of hornblende schist, about one mile wide, with a northward strike, crossing the track opposite the end of Dog-tooth Lake. The strike of the gneiss varied much, but in the majority of cases it approached either a westward or a south-westward course. At nine miles before reaching Rat Portage, and continuing thence for two or three miles, a coarse grey syenitic granite prevailed. Between this and the village of Rat Portage, the rocks are principally fine-grained, somewhat calcareous, hornblende schist, in which the jointing is well marked, but there are also felsitic, dioritic and silicious schists. The average direction of the strike is south-westward. A tough, greenish-grey, hornblendic rock, containing occasional patches of asbestos, occurs a short distance west of the outlet at Rat Portage. The line between the Laurentian and the Huronian systems, which crosses the Winnipeg ^{Boundary between Laurentian and Huronian, north of Lake of the Woods.} River at Rat Portage, keeps near the railway to a point between Lake Lulu and Keewatin Mills, where it crosses it diagonally and continues thence in a westerly direction on the south side of the track.

From Lake Deception to Cross Lake the Laurentian gneiss is generally dark grey and red, rather massive, much contorted and cut by numerous veins of red and grey granite; while from Cross Lake for some distance westward, it is reddish in colour, thinly bedded, and runs with great regularity nearly parallel to the railway, the dip being to the north at moderate angles. It is probable that a line of dislocation ^{Lake Deception to Cross Lake.} or disturbance, which may be connected with the granites of Lake of ^{Probable dislocation.} the Woods and the Winnipeg River, runs north-westward through Cross Lake. The decomposition of the rock along this line, followed by the denuding agencies of the glacial period, have probably been the means of scooping out the deep channel of this lake, which caused so much trouble in attempting to carry the line of the Pacific Railway across it.

Returning now to Wabigoon Lake, a short account will be given of ^{Exploration from Wabigoon Lake by Eagle, Vermilion, and Bell's Lake to Lake of the Woods.} the explorations by water which have been referred to. In descending the Wabigoon River to its junction with the Eagle River and in ascending the latter stream, Mr. Molson found only Laurentian gneiss, until coming to the outlet of Eagle Lake, where the Huronian schists begin. Their strike is here S. S. W.