

Bell or upper Nottaway. All are important rivers and empty into James bay at its southern extremity.

The upper Ottawa has several tributary streams of considerable size both on the north and on the south. Those entering from the south have their headwaters in the southern upland belt but the northern tributaries, except for a very small part of the Boundary hills, have their drainage basins entirely in the clay belt. The largest of the rivers tributary to the upper Ottawa is the Kinojevis which drains a very marked northerly extension of the Ottawa basin, approximately 2,500 square miles in area, around which the height of land bends sharply to the north for approximately 50 miles.

The territory in Timiskaming county belonging to the Abitibi system occupies the northwestern part of the region extending from the Kinojevis River basin westward to the interprovincial boundary. Its drainage finds its way for the most part either into lake Duparquet on the south or into Makamik lake on the north. Both of these lakes serve as collecting reservoirs for a considerable area of country, Duparquet lake being the outlet of Kanasuta, Magusi, and Smoky rivers and Makamik lake the outlet of Lois, Fly, and Bellefeuille rivers. These lakes in turn drain into a still lower basin, lake Abitibi, the former by way of the upper Abitibi and the latter by way of La Sarre (Whitefish) river.

The section of the Harricanaw basin included in the region under description embraces an elongated, irregular area of country intervening between the Abitibi and Bell River basins and adjoining the height of land directly north and east of the Kinojevis River basin. In its upper portion, it includes a number of large clay-belt lakes, several of which form a part of what is generally regarded as the headwater continuation of the Harricanaw river—although the river is in reality a connected series of lakes. The tributary drainage of the area generally flows directly into the Harricanaw so that all the other streams are small, Launy creek, the outlet of Launy (Atikameg) lake, and the Octave (Shishishi) river, the outlet of Chikobi lake being the only tributary streams of importance in the whole district.

The Bell River drainage basin occupies the northeastern part of Timiskaming county. It resembles the Harricanaw river in its upper portion, consisting for the most part of a series of lakes—Shabogama, Obaska, etc.—connected by short intervals of river; but its basin is wider and its drainage less radially disposed, so that the tributary streams are larger. On the east, the Bell is joined about 6 miles north of the National Transcontinental railway by the Migiskan, a large river having its headwaters in the northeastern continuation of the southern upland belt, which at this point lies east of Bell river. On the west, there is also a large tributary river, the Natagan, which, from