

the underlying surface and consequently the surface of the plain interrupted not only by extensive areas of rocky upland country but also by small protruding outcrops of bedrock and by areas of glacial drift.

With the exception of a small area of country to the north of lake Timiskaming, the clay belt lies wholly to the north of the St. Lawrence Hudson Bay divide in Ontario, but in Quebec it extends southward across the divide and covers nearly the whole of the northern part of the Timiskaming basin, an area of 3,000 square miles.

Relief.

Although the surface of the lacustrine clay of the clay belt is generally uniform that it appears flat to the eye, yet, in reality, it conforms to the slope of the underlying surface upon which the clay was deposited. At the north end of lake Timiskaming depression, it has an elevation of only 600 feet above sea-level, but 15 miles eastward, on lake des Quinze, the elevation is approximately 900 feet. From lake des Quinze, it rises gently northeastward with an average gradient of one foot per mile, attaining an elevation of over 1,000 feet above sea-level on the height of land. Beyond the height of land as in the south the slopes gently away from the divide northward towards Hudson bay.

The following table of elevations of points within the clay belt has been compiled from the elevations on the National Transcontinental Canadian Pacific and Timiskaming and Northern Ontario railways, from the levels on the upper Ottawa determined by the Ottawa River Storage branch of the Public Works Department, and from aneroid measurements by the writer.

Clay Belt Elevations.

	Feet above sea-level.
Lake Timiskaming, low water	578 ¹
Lake Timiskaming, high water	592 ¹
Haileybury, Ont., T. and N.O. railway depot	766 ³
New Liskeard, Ont., T. and N.O. railway depot	642 ³
Englehardt, Ont., T. and N.O. railway depot	677 ³
Lac des Quinze	852 ³
Lake Expanse	854 ³
Barrière lake	867 ³
Lake Opasatika	869 ³
Height of land between Ogima and Summit lakes	936
Kinojevis river at its outlet	876 ³
Caron lake (Crooked lake)	876 ³
Lake Kinojevis	876 ³
Roger lake	902 ³
Kekeko lake	877
Lake Dufault (Lake of Islands)	951
Lake Dufresnoy (Kajakanikamak)	907
Height of land between Mackay and Bellefeuille lakes	950
Lake Kewagama	958 ³
Height of land east of Robertson lake	1,074 ⁴
Lake Dasserat (Mattawagosik)	913

^{1, 2, 3, 4.} See footnote, page 31.