

distance being 125 feet, and the land on either side keeps about the same elevation all along above the river bed, therefore there is a gradual slope of five feet to the mile falling towards the north.

The country here appears to have been burnt over some fifty years ago, and is now thickly covered with a second growth of spruce and tamarac, with some scattering bouleau, poplar and *cypres* on the drier ridges.

The rock formation is chiefly granite in the river bed, and the same land clay soil is seen on either side all along.

Below the last mentioned portage the river widens out to nearly a mile in width, flows northward for three miles, and then flows broad and majestic for seven miles in a northwesterly direction, averaging $\frac{1}{2}$ of a mile in width and enclosing some beautiful islands.

One of these islands, at the lower end of the latter stretch, measures two miles in length and over a mile in width in the widest part. There are spruce trees over two feet diameter on this island.

The same level clay land covered thickly with black and grey spruce is seen all along on both sides.

We are now down to an elevation of only 400 feet above sea level at the large island last above mentioned, and from there the river runs in a due north-west course for ten miles, and in this stretch we fall 180 feet or an average of 18 feet to the mile, the land on either side continuing to slope evenly to the north-west all along.

There are several rough rapids and two heavy cascades, that are passed by portaging over the rocks on the right side as shown on the plan.

Several good water powers could be had here, but they will never likely be utilized, for at the lower end of this stretch there is a sheer fall of seven feet, giving about 400,000 available horse power.

The river here divides into two channels and the portage is on the island, the western channel is dry at low water.

We are now down to only 150 feet above tide level and the lands on either side seem to fall evenly with the river bed, the same level lands continuing all along well covered with spruce and tamarac.

From the foot of the last mentioned chute the river turns and flows on that course for over ten miles in a series of 1