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but by damming the river over thirty feet head can be easily had, which would give over 160,000 available horse power.

This must be a wild looking spot during spring freshets, for the great volume of water choked up in this narrow gorge, raises its level upwards of twenty five feet, as seen by the drift wood scattered along either side above the chute.

Below this chute the river turns east by north in a broad expanse over a mile in length and then turns northward again in a succession of rapids that give another ten feet fall in a distance of a mile and a half.

We are now at an elevation of 536 feet above sea level: the country on either side is still level or gently rolling clay land, free from stones and fairly well covered with spruce and tamarac, with occasional patches of toulcan and poplar.

The river now broadens out to over a mile in width, and encloses a couple of large islands and runs in a north-westerly direction for seven miles, and then runs north-eastward for two miles falling 16 feet in the distance of nine miles.

The river now runs north-west for four miles, in a series of racy rapids, giving another 16 feet fall in the latter distance.

We now turn sharply to the right and soon come to a cascade, giving ten feet fall, which is passed by a portage twelve chains long on the right bank.

This cascade can be run with large H. B. Co. canoes at ordinary low water.

Below the last mentioned portage the river falls swiftly in a series of rough rapids for three miles on a N. N. E. course until we come to another portage on the left 22 chains in length, passing a wild chute and cascade that give a fall of 36 feet.

At the head of this chute, the banks are high and rocky—solid granite on either side—therefore 50 feet head can be easily had with a flow of, say, 3,000,000 cubic feet per minute, which would give 275,000 available horse power.

It will be seen by the accompanying profile and the red figures on the plan that we have been falling rapidly for the last 25 miles;—I mean rapidly, in comparison with other parts of the river, our total fall in that