

## 3.4 Climate

### 3.4.1 Upper Stretches

Along the northern stretches of the river, the climate is slightly cooler and dryer. The city of Ville-Marie, for example, has an average annual temperature of 2.8°C with an average of 18.2°C in July and of -15.2°C in January. The most extreme temperatures on record for the region are 36.1°C and -50°C. Average annual precipitation totals 819 millimetres and is comprised of 625 millimetres of rain and 195 centimetres of snow. There are on average each year 170 frost-free days, 156 days of precipitation, and 144 days with snow cover (Hydro Québec: Bassin supérieur 4-3).

### 3.4.2 Lower Stretches

In the southern stretches of the river, the climate is generally milder and more humid (CREDDO 6). For example, Pointe au Chêne, a small town just east of Montebello along the Ottawa has an average temperature of 5.6°C with an average of 10.7°C in the day and 0.5°C at night. The most extreme temperatures on record are 36.1°C and -36.7°C. On average, each year has 202 frost-free days, 105 days of rain, and 45 days of snow. Average annual precipitation totals 965 millimetres, and is comprised of 187 centimetres of snow and 779 millimetres of rain. Dominant winds are from the west (Hydro Québec: Bassin inférieur 4-2).