

river system. In the province of Quebec, its total length, including the gulf, is 1,046 miles or 1,684 kilometres between the straits of Belle Isle and St. Regis, or 603 miles, 974 kilometres, between St. Regis and Point-des-Monts, deducting the gulf. The water surface comprised between these two points forms an area of 5,054 square miles, or 1,298,954 hectares.

The influence of the tide is felt in the river as high up as Three Rivers, or to 900 miles, 1,449 kilometres, from the straits of Belle Isle. At Quebec it rises to 3.35 metres in the neap and 5.60 in the high tides of the equinox. The waters begin to become salty at St. Thomas, about fifty-eight kilometres below Quebec, and at Kamouraska, sixty-four kilometres lower down than St. Thomas, the water is sea-water in the full force of the term, to such a degree, in fact, that, under French rule, salt was there manufactured by evaporation from the water of the St. Lawrence. McTaggart, an English engineer, has calculated that this great river pours annually into the ocean 16,678,883,260,000 litres of fresh water, which gives an average of 45,692,803,457 litres per day, 1,903,866,810 per hour and 63,462,227 per minute.

The principal rivers which empty into the St. Lawrence, on the north side, are the :

<i>Length.</i>		<i>Length.</i>	
Ottawa.....	615 miles	Outardes.....	234 milles
L'Assomption.....	76 "	Manicouagan .....	224 "
St. Maurice.....	280 "	Pentecost.....	75 "
Batiscan.....	93 "	Moisie.....	140 "
Jacques-Cartier.....	90 "	St. John.....	150 "
St. Anne.....	60 "	Natashquan.....	150 "
Montmorency.....	55 "	Mecatina.....	150 "
Murray.....	80 "	St. Paul or des Esquimaux	100 "
Saguenay.....	110 "		
Portneuf.....	80 "		2,948 "
Sault-au-Cochon.....	100 "		
Betsiamits .....	112 "		

The three largest of these rivers—the Ottawa, St. Maurice and Saguenay—also receive the waters of many large tributaries as follows :

*Tributaries of the Ottawa.*

River du Moine.....	80 miles.	River Petite Nation.....	50 miles.
" Noire.....	115 "	" Rouge .....	120 "
" Coulonge.....	150 "	" du Nord .....	60 "
" Gatineau.....	250 "	"	
" Du Lievre.....	170 "	"	995 "

The portion of the basin of the Ottawa comprised within the province of Quebec has a superficies of about 40,130 miles, or 105,938 kilometres.

*Tributaries of the St. Maurice.*

Mekinac.....	30 miles	Shawinigan.....	35 miles
Bostonnais (Little).....	37 "	Matawin.....	120 "
Bostonnais (Great).....	90 "	Au Rat.....	25 "
Croche.....	65 "	Vermillion .....	100 "
Trenche.....	102 "	Flamand.....	25 "
Pierriche.....	22 "	Manouan.....	77 "
Pierriche (Great).....	25 "	Au Ruban.....	30 "
Windigo.....	30 "		