

Champlain, via the Richelieu River; (3) Montreal to Ottawa, via the Ottawa River; (4) Ottawa to Perth and Kingston, via the Rideau and Cataraqui Rivers; (5) Trenton, at the mouth of the Trent River on Lake Ontario, to the mouth of the Severn River on Lake Huron; and (6) St. Peters, Nova Scotia, on the Atlantic Ocean, to the Bras d'Or Lakes. The aggregate length of these six routes is 1,844 miles, the total of actual canal being 509 miles.

The names of the various canals along these routes, their locations and lengths, together with the number and dimensions of the locks thereon and other information may be found in the bulletin *Canals of Canada*, published by the Department of Transport.

The following table shows the length and lock dimensions of canals under the administration of the Department of Transport, as at the end of 1947.

Under the jurisdiction of the Federal Department of Public Works are the St. Andrews Lock (length, width and draught, respectively, 215, 45 and 17 feet) at Selkirk on the Red River, Man., and the lock at Poupore, Que. There are also a few small isolated locks, each controlled under the authority of the province in which it is situated.

4.—Length and Lock Dimensions of Canals Under the Control of the Department of Transport, 1947

Name	Location	Length of Canal	Locks			
			No.	Minimum Dimensions		
				Length	Width	Depth
		miles	ft.	ft.	ft.	
St. Lawrence—						
Lachine.....	Montreal to Lachine.....	8.74	5	270	45	14 ¹
Soulanges.....	Cascades Point to Coteau Landing..	14.67	5	280	46	15 ¹
Cornwall.....	Cornwall to Dickinsons Landing....	11.00	6	270	43.67	14 ¹
Farran Point.....	Farran Point Rapids.....	1.28	1	800	50	16 ¹
Rapide Plat.....	Morrisburg.....	3.89	2	270	45	14 ¹
Galop.....	Iroquois to Cardinal.....	7.36	3	270	45	14 ¹
Welland Ship.....	Port Weller, Lake Ontario, to Port Colborne, Lake Erie.....	27.60	8	859	80	30 ²
Sault Ste. Marie.....	Sault Ste. Marie, Ont.....	1.38	1	900	60	18.25
Richelieu River—						
St. Ours.....	St. Ours, Que.....	0.12	1	339	45	12
Chambly.....	Chambly to St. Johns, Que.....	11.78	9	120.5	23.25	6.5
Ottawa River—						
Ste. Anne.....	Junction of St. Lawrence and Ottawa Rivers.....	0.12	1	200	45	9
Carillon.....	Carillon Rapids, Ottawa River....	0.94	2	200	45	9
Grenville.....	Long Sault Rapids, Ottawa River...	5.94	5	200	45	9
Miscellaneous—						
Rideau.....	Ottawa to Kingston.....	123.53	47	134	33	5.5
	Rideau Lake to Perth (Tay Branch)	6.82	2	134	33	5.5
Trent.....	Trenton to Peterborough Lock, Peterborough.....	88.74	18	175	33	8 ³
	Peterborough Lock to Swift Rapids.	135.71	24	134	33	6
	Swift Rapids to Big Chute ⁴	8.00	Nil	—	—	—
	Big Chute to Port Severn.....	8.11	1	100	25	6
	Sturgeon Lake to Lindsay (Scugog Branch).....	10.00	1	142	33	6
	Lindsay to Port Perry (Scugog Branch).....	25.00	Nil	—	—	—
Murray.....	Isthmus of Murray—Bay of Quinte..	7.53 ⁵	"	—	—	—
St. Peters.....	St. Peters Bay to Bras d'Or Lakes, Cape Breton, N.S.....	0.50	1	300	48	18 ⁶

¹ Navigable depths are occasionally less at times of extremely low water.

² Minimum depth between locks 23 ft.

³ Notice must be given by vessels of more than 6 feet 10 inches draught.

⁴ Marine railways in this section limit navigation to vessels 60 feet long 13.5 feet wide and 4.0 feet draught.

⁵ Minimum depth of canal with Lake Ontario at elevation 244 ft. above sea-level is 9.5 ft.

⁶ The depth of canal prism is 17 ft.