

**9.—Lengths of Channels and Dimensions of Locks under the Control of the Department of Transport, as at Dec. 31, 1952—concluded**

Name	Location	Length of Channel	Locks			
			No.	Minimum Dimensions		
				Length	Width	Depth
		miles	ft.	ft.	ft.	
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—						
St. 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 <sup>a</sup>
	Peterborough Lock to Swift Rapids.....	135-71	24	134	33	6
	Swift Rapids to Big Chute <sup>4</sup> .....	8-00	—	...	...	...
	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	—	...	...	...
Murray.....	Isthmus of Murray—Bay of Quinte.....	7-53 <sup>5</sup>	—	...	...	...
St. Peters.....	St. Peters Bay to Bras d'Or Lake, Cape Breton, N.S.....	0-50	1	300	47-4	18 <sup>6</sup>

<sup>1</sup> Navigable depths are occasionally less at times of extremely low water. <sup>2</sup> Minimum depth between locks 23 ft. 6 in. <sup>3</sup> Notice must be given by vessels of more than 6 ft. draught. <sup>4</sup> Marine railways in this section limit navigation to vessels 50 ft. long, 13-5 ft. beam, 4 ft. draught—weight not over 15 tons. <sup>5</sup> Minimum depth of canal with Lake Ontario at elevation 244 ft. above sea level is 9-5 ft. <sup>6</sup> The depth of canal prism is 17 ft.

**Canal Traffic.**—The canals of Canada are open to the vessels and traffic of all nations upon equal terms and thus United States traffic constitutes an important part of the total carried through certain canals, especially the Welland Ship Canal. This is shown in Tables 10 and 12. More complete details of the traffic through canals may be found in DBS annual report, *Canal Statistics*.

**10.—Traffic through Canadian Canals, by Nationality of Vessel and Origin of Freight, Navigation Seasons, 1943-52**

NOTE.—Figures include duplications where cargoes use two or more canals. Figures from 1886 are available in the corresponding table of previous Year Books beginning with the 1902 edition.

Navigation Season	Nationality of Vessel				Origin of Freight Carried				
	Canadian		United States <sup>1</sup>		Canada		United States <sup>1</sup>		Total
	Vessels	Registered Tonnage	Vessels	Registered Tonnage	Tons	P.C. of Total	Tons	P.C. of Total	Tons
	No.	No.	No.	No.					
1943..	20,855	18,273,304	2,617	5,686,958	7,838,429	36-5	13,637,765	63-5	21,476,194
1944..	20,780	18,191,826	1,911	4,541,575	8,002,746	38-8	12,612,761	61-2	20,615,507
1945..	21,064	19,068,308	1,553	3,426,069	10,491,263	47-0	11,829,136	53-0	22,320,399
1946..	17,199	16,206,415	1,794	3,221,008	8,904,733	47-7	9,750,186	52-3	18,654,919
1947..	18,542	18,613,576	2,332	3,796,293	10,288,481	47-8	11,225,458	52-2	21,513,939
1948..	19,859	19,723,768	2,784	4,219,539	11,169,714	47-4	12,389,599	52-6	23,559,313
1949..	21,724	20,773,831	2,495	3,260,038	14,800,509	60-7	9,573,243	39-3	24,373,752
1950..	21,179	21,989,263	3,241	3,514,202	15,138,009	55-2	12,301,067	44-8	27,439,076
1951..	22,141	22,951,468	3,407	4,297,672	16,004,284	54-6	13,320,750	45-4	29,325,034
1952..	22,565	25,608,373	3,757	4,201,005	16,245,050	53-7	14,009,088	46-3	30,254,138

<sup>1</sup> Figures include few vessels and a small tonnage of freight of other foreign nationalities.