

Province	Schistosome spp.	Intermediate Hosts	Definitive Hosts	Location/Outbreaks/Cases	Reference(s)
<u>Alberta</u>				Authentic records of dermatitis at Peace River district <sup>§</sup>	Cort, W.W. (1936) Am. J. Hyg. 24(2):318-333
	<i>Cercaria elvae</i> <sup>†</sup>	<i>Lymnaea stagnalis</i>		Summer 1939: Outbreaks in Lakes at Elk Island Park	Hadwen, S. & Fallis, A.M. (1940) Can. Pub. Health Assoc. 31(1):30
	<i>Dendrobilharzia pulverulenta</i>		Eared Grebe ( <i>Podiceps nigricollis</i> )		Vande Vusse, F.J. (1980) J. Parasitol. 66(5):814-822
	<i>Trichobilharzia stagnicolae</i> <i>Trichobilharzia szidati</i>	<i>Stagnicola elodes</i> <i>Lymnaea stagnalis</i>		Summer 2013-2014: Isle Lake Summer 2013-2014: Gull Lake and Buffalo Lake (The Narrows)	This study
	<i>Trichobilharzia physellae</i> <i>Avian Schistosomatid sp. A</i>	<i>Physella gyrina</i> <i>Physella gyrina</i>		August 2013: Lac la Nonne Summer 2015: Isle Lake and Buffalo Lake	
	<i>Avian Schistosomatid sp. B</i> <i>Avian Schistosomatid sp. C</i> <i>Schistosomatium douthitti</i>	<i>Physella gyrina</i> <i>Helisoma trivolvis</i> <i>Lymnaea stagnalis</i> & <i>Stagnicola elodes</i>		August 2013: Lac la Nonne July 2015: Wabamun Lake Summer 2013-2015: Gull Lake, Wabamun Lake, Buffalo Lake (The Narrows)	
<u>British Columbia</u>	<i>Cercaria elvae</i> <sup>†</sup>	<i>Lymnaea stagnalis wasatchensis</i>		Paul Lake	Cort, W.W. (1936) Am. J. Hyg. 24(2):318-333
	<i>Trichobilharzia adamsi</i>	<i>Physa cf. conformis</i>	Peking ducklings*	Summer 1950: Severe outbreak at Cultus Lake	Edwards & Jansch (1955) Can. J. Zool. 33:182-194
	<i>Cercaria columbiensis</i>	<i>Physa cf. conformis</i>			
	<i>Cercaria stagnicolae</i> <sup>‡</sup>	<i>Lymnaea emarginata angulata</i>		Summer 1963: Two outbreaks at Cultus Lake	Howard, T.E. & Walden, C.C. (1965) J. Appl. Ecol. 2(1):121-135
	<i>Cercaria physellae</i> <sup>†</sup>	<i>Physa</i> spp. ( <i>P. ampullacea</i> , <i>P. conformis</i> , <i>P. occidentalis</i> )			
	<i>Trichobilharzia stagnicolae</i>	<i>Stagnicola catascopium</i>	Common Merganser ( <i>Mergus merganser</i> )	Cultus Lake	Leighton, B.J., et al. (2000) Parasitol. Int. 49(1):9-17
	<i>Trichobilharzia physellae</i>	<i>Physa</i> sp.	Common Merganser ( <i>Mergus merganser</i> )	Cultus Lake	
	<i>Gigantobilharzia</i> sp.	<i>Gyraulus parvus</i>	Unidentified Blackbird	Cultus Lake	
	<i>Austrobilharzia variglandis</i>	<i>Ilyanassa obsoleta</i>		Summer 2001: 36 cases; Summer 2002: 44 cases at Crescent Beach	Leighton, B.J. et al. (2004) Env. Health Rev. 48:5-13
<u>Saskatchewan</u>	<i>Cercaria elvae</i> <sup>†</sup>	<i>Lymnaea stagnalis jugularis</i> , <i>L. pallustris nuttaliana</i> , & <i>Physa</i> sp.		Found widely across the province <sup>§</sup>	Cort, W.W. (1936) Am. J. Hyg. 24(2):318-333
<u>Manitoba</u>	<i>Cercaria elvae</i> <sup>†</sup> <i>Cercaria</i> sp.	<i>Lymanea stagnalis jugularis</i> <i>Stagnicola emarginata canadensis</i>		Clear Lake	Swales, W. (1936) Can. J. Res. 14d(1):6-10
	<i>Cercaria wardlei</i>	<i>Limnaea obrussa</i> & <i>Stagnicola emarginata canadensis</i>		Summer 1933: Over 55,000 visitors to this lake, of which over 50% contracted swimmer's itch at Clear Lake	McLeod, J.A. (1934) Can. J. Res. 10(4):394-403; McLeod, J.A. (1940) Can. J. Res. 18d(1):1-28
	<i>Cercaria stagnicolae</i> <sup>‡</sup>	<i>Stagnicola emarginata canadensis</i>			McLeod, J.A. (1940) Can. J. Res. 18d(1):1-28
	<i>Cercaria dermolestes</i> sp. nov. <i>Ornitobilharzia aviani</i> sp. nov.	<i>Stagnicola palustris elodes</i>	Ring-billed Gulls ( <i>Larus delawarensis</i> ) & Herring Gulls ( <i>Larus argentatus</i> )	Southern Manitoba Clear Lake, Lake Winnipeg, Lake Winnipegosis	
	<i>Ornitobilharzia filamenta</i> sp. nov.		Ring-billed Gulls ( <i>Larus delawarensis</i> ) & Herring Gulls ( <i>Larus argentatus</i> )		
	<i>Pseudobilharzia querquedulae</i> <sup>†</sup>		Blue-winged Teal ( <i>Anas discors</i> )		
	<i>Microbilharzia mantobensis</i> <sup>†</sup>		Canvas back duck ( <i>Aythya valisineria</i> )	Lake Frances	
	<i>Microbilharzia canadensis</i> <sup>†</sup>		Canvas back duck ( <i>Aythya valisineria</i> )		
	<i>Microbilharzia lari</i>		Ring-billed Gulls ( <i>Larus delawarensis</i> ) & Herring Gulls ( <i>Larus argentatus</i> )	Lake Winnipeg & Clear Lake	
	<i>Cercaria elvae</i> <sup>†</sup>	<i>Lymnaea stagnalis</i>		Summer 1961: Severe outbreaks at several uncontrolled lakes; Schistosomes found in Lake Norris, Lake Winnipeg, and Lake Manitoba	Farley, J. (1962) Can. J. Zool. 40:131-133
	<i>Schistosomatium douthitti</i>	<i>Lymnaea stagnalis</i>	Muskrat ( <i>Microtus pennsylvanicus</i> )	Southern Manitoba	
	<i>Gigantobilharzia lawayi</i>		Ring-billed Gulls ( <i>Larus delawarensis</i> ) & Herring Gulls ( <i>Larus argentatus</i> )	Twin beaches at Lake Manitoba, Grand beach at Lake Winnipeg, Red River at St. Andrews, and Moose Lake	Farley, J. (1964) Thesis: University of Manitoba

	<i>Gigantobilharzia gyrauli</i>	<i>Physa gyrina</i>	Red-winged Blackbird ( <i>Agelaius phoeniceus</i> ), Yellow-headed Blackbird ( <i>Xanthocephalus xanthocephalus</i> ), Brown-headed Cowbird ( <i>Molothrus ater</i> ), Common Grackle ( <i>Quiscalus quiscula</i> )	Long Lake, Meadows, St. Andrews, Norris Lake, North Shoal Lake, Twin beaches at Lake Manitoba	
	<i>Gigantobilharzia totani</i>		Greater Yellow-legs ( <i>Totanus melanoleucus</i> ), Lesser Yellow-legs ( <i>T. flavipes</i> )	Lake Manitoba, Shoal Lake, Meadows, Moose Lake	
	<i>Trichobilharzia querquedulae</i>		Blue-winged Teal ( <i>Anas discors</i> ), Shoveller ( <i>Spatula clypeata</i> )	Southern Manitoba	
	<i>Austrotilharzia lari</i>		Bonaparte's Gull ( <i>Larus philadelphia</i> )	Southern Manitoba	
	<i>Ornithobilharzia canaliculata</i>		Bonaparte's Gull ( <i>Larus philadelphia</i> )	Southern Manitoba	Summer 1977: 6 cases investigated from Clearwater Lake and St. Malo, with additional outbreak reports from Gull Lake and Hecla Island
	<i>Trichobilharzia brantae</i>	<i>Gyraulus parvus</i>	Snow Goose ( <i>Chen caerulescens</i> )	Churchill	Brant, S.V. & Loker, E.S. (2009) J. Parasitol. 95(4):941-963
	<i>Trichobilharzia sp. D</i>	<i>Stagnicola sp.</i>			
	<i>Trichobilharzia sp. E</i>	<i>Stagnicola sp.</i>	Northern Pintail ( <i>Anas acuta</i> )		
<u>Ontario</u>				Summer 1954: 53 cases at Lake Nipissing	Mitchell, J.C. (1954) A.M.A. Archives of Dermatology and Syphilology 70(6):805-808
	<i>Schistosomatium douthitti</i>	<i>Lymnaea stagnalis apressa</i> & <i>Lymnaea palustris elodes</i>		Chaffey's Locks, Crosby, Cameron Lake, Glen Arm, Reaboro, Newcastle, Rondeau Park, Peterboro, Black Lake	Bourns, T.K.R. (1961) Can. J. Zool. 39(1):43-46
<u>Quebec</u>	<i>Trichobilharzia cameroni sp. nov.</i>	<i>Physa gyrina</i>	Canaries*, Ducklings*, Pigeons*	Summer 1949: Outbreak near Montreal in vicinity of Ste. Anne de Bellevue and along the Ottawa River	Wu, L. (1953) Can. J. Zool. 31:351-373
				Summer 1988: 74 cases from 5 regions - Soit Hull, Portneuf, Lac St-Francois, Rimouski, and Rouyn-Noranda	Levesque, B. (1990) Can. J. Pub. Health 81(4):329-330
	<i>Cercaria ocellata</i> <sup>‡</sup>	<i>Physa gyrina</i>		Summer 1998: Outbreak at Lac Nairn; Summer 1999: 63 cases from Lac Beauport	Levesque, B. et al. (2002) Epi. Infect. 129(2):379-386
<u>New Brunswick</u>	<i>Trichobilharzia stagnicolae</i>	<i>Lymnaea emarginata</i>		Lake Magaguadavic & Lake Utopia	Farley, J. (1967) Can J. Zool. 45(6):1300-1302
	<i>Cercaria catascopii n. sp.</i>	<i>Physa gyrina</i>		Prior to 1976: 3 cases at Lake Magaguadavic, 2 cases at Lake Utopia, & 1 case at Lake Chamcook; all lakes had snails with identified schistosome species	Scott, M.E. & Burt, M.D. (1976) Can. J. Zool. 54:2200-2207
<u>Nova Scotia</u>	<i>Trichobilharzia stagnicolae</i>	<i>Lymnaea emarginata</i>		Lake Mush-a-Mush & Lake	Farley, J. (1967) Can J. Zool. 45(6):1300-1302
<u>Prince Edward Island</u> <sup>§</sup>	<i>Austrotilharzia variglandis</i>	<i>Nassarius obsoletus</i>		Bay of Fundy	Farley, J. (1967) Can J. Zool. 45(6):1300-1302

‡ Now *Trichobilharzia stagnicolae*

† Now *Trichobilharzia ocellata*

‡ Now *Trichobilharzia physellae*

§ Now *Austrotilharzia variglandis* or *A. terrigalensis* according to Farley, J. (1971) J. Helminthol. XLV:289-320

§ Noted as derived from personal communication

\* Experimental infections