

SUMMARY

35 samples from 9 sites were collected and tested using the pan-schistosome assay.

Positive samples were then subjected to 5 different species-specific tests

T. stagnicolae (host: common merganser host)

T. physellae (host: common merganser and mallard)

Anserobilharzia brantae (host: Canada goose)

T. szidati (host: mallard)

novel Avian Schistomatid C (host: Canada goose)

Number of samples positive	14
Mean number of cercariae detected per 25L	0.5
Median number of cercariae detected per 25L	0.0

<i>T. stagnicolae</i> was found in all 14 positive samples
<i>T. physellae</i> was found in only 1 positive sample
No other species were found in the positive samples

DATA

DNA Extraction ID	Sample date	Lake	Site	# of cercariae /25L	Species-specific assay results
Z10	7/13/20	Higgins	Higgins #1 - Dennings/Kelly Beach	1.0	<i>T. stagnicolae</i>
Z11	7/13/20	Higgins	Higgins #2 - South State Park	0.0	n/a
Z12	7/13/20	Higgins	Higgins #3 - Sam-O-Set Park	1.1	<i>T. stagnicolae</i>
Z13	7/13/20	Higgins	Higgins #4 - Hoffmeyer, 310 Lakeshore Drive	0.0	n/a
Z14	7/13/20	Higgins	Higgins #5 - West Boat Launch	0.0	n/a
Z15	7/13/20	Higgins	Higgins #6 - North State Park	0.0	n/a
Z16	7/13/20	Higgins	Higgins #7 - Gerrish Township Park	0.0	n/a
Z17	7/13/20	Higgins	Higgins #8 - Island-Boat Club	1.0	<i>T. stagnicolae</i>
Z18	7/27/20	Higgins	Higgins #1 - Dennings/Kelly Beach	0.0	n/a
Z19	7/27/20	Higgins	Higgins #2 - South State Park	0.0	n/a
Z20	7/27/20	Higgins	Higgins #2.5 - Hoffman, 3886 W Higgins Lake Rd	0.0	n/a
Z21	7/27/20	Higgins	Higgins #3 - Sam-O-Set Park	1.0	<i>T. stagnicolae</i>
Z22	7/27/20	Higgins	Higgins #4 - Hoffmeyer, 310 Lakeshore Drive	0.0	n/a
Z23	7/27/20	Higgins	Higgins #5 - West Boat Launch	0.0	n/a
Z24	7/27/20	Higgins	Higgins #6 - North State Park	1.0	<i>T. stagnicolae</i> + <i>T. physellae</i>
Z25	7/27/20	Higgins	Higgins #7 - Gerrish Township Park	0.0	n/a
Z26	7/27/20	Higgins	Higgins #8 - Island-Yacht Club	0.0	n/a
Z43	8/10/20	Higgins	Higgins #1 - Dennings/Kelly Beach	0.0	n/a
Z44	8/10/20	Higgins	Higgins #2 - South State Park	0.0	n/a
Z45	8/10/20	Higgins	Higgins #2.5 - Hoffman, 3886 W Higgins Lake Rd	0.0	n/a
Z46	8/10/20	Higgins	Higgins #3 - Sam-O-Set Park	0.0	n/a
Z47	8/10/20	Higgins	Higgins #4 - Hoffmeyer, 310 Lakeshore Drive	2.0	<i>T. stagnicolae</i>
Z48	8/10/20	Higgins	Higgins #5 - West Boat Launch	1.0	<i>T. stagnicolae</i>
Z49	8/10/20	Higgins	Higgins #6 - North State Park	1.0	<i>T. stagnicolae</i>
Z50	8/10/20	Higgins	Higgins #7 - Gerrish Township Park	0.0	n/a
Z51	8/10/20	Higgins	Higgins #8 - Island-Yacht Club	0.0	n/a
Z52	8/24/20	Higgins	Higgins #1 - Dennings/Kelly Beach	1.0	<i>T. stagnicolae</i>
Z53	8/24/20	Higgins	Higgins #2 - South State Park	0.0	n/a
Z54	8/24/20	Higgins	Higgins #2.5 - Hoffman, 3886 W Higgins Lake Rd	1.0	<i>T. stagnicolae</i>
Z55	8/24/20	Higgins	Higgins #3 - Sam-O-Set Park	1.0	<i>T. stagnicolae</i>
Z56	8/24/20	Higgins	Higgins #4 - Hoffmeyer, 310 Lakeshore Drive	0.0	n/a
Z57	8/24/20	Higgins	Higgins #5 - West Boat Launch	0.0	n/a
Z58	8/24/20	Higgins	Higgins #6 - North State Park	1.0	<i>T. stagnicolae</i>
Z59	8/24/20	Higgins	Higgins #7 - Gerrish Township Park	3.3	<i>T. stagnicolae</i>
Z60	8/24/20	Higgins	Higgins #8 - Island-Yacht Club	1.0	<i>T. stagnicolae</i>