

Date: October 2018

To: Laureen Janusz & Ian Kitch
Sustainable Development – Fisheries Branch



Summary of Activities

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Subject: 2018 Zebra Mussel Early Detection Program

SVSFE Zebra Mussel Early Detection Program 2018							
Lake	Sampler Location (UTM)	Date Installed	Date Removed	Depth (m)	Secchi (m)	Depth from Sampler to Bottom(m)	Comments
Beautiful Lake	14U 361406 5713741	5/30/2018	13/09/2018	0.9	>0.9	0.5	Hook into dock failure-sampler on bottom
Bell Lake	14U 348061 5823467	5/22/2018	25/09/2018	1.2	>1.2		<u>Sampler Not Present</u>
Beaver Lake	14U 373600 5740420	5/29/2018	13/09/2018	1	>1	0.5	Sampler present but sideline to weight failure
Child's Lake (campground)	14U 353228 5716975	5/30/2018	13/09/2018	1.7	>1.7	0.5	Cable fastener failure- sampler on bottom
Child's Lake(main beach)	14U 353397 5716162	5/30/2018	13/09/2018	1.1	>1.1	0.5	Cable failure- sampler on bottom
East Blue Lake(divers dock)	14U 367563 5718856	5/30/2018	13/09/2018	1	>1.0	0.5	<u>Sampler Not Present</u>
Gull Lake	14U 357334 5714006	5/30/2018	13/09/2018	1	>1.0	0.5	No mussels observed
Glad Lake	14U 369140 5739604	5/29/2018	13/09/2018	0.8	>0.8	0.5	<u>Sampler Not Present</u>
Laurie Lake	14U 356343 5714327	5/30/2018	13/09/2018	1.4	>1.4	0.5	No mussels observed-sideline to weight failure
Marge Lake	14U 366948 5721584	5/30/2018	13/09/2018	0.8	>0.8	0.5	No mussels observed
North Steeprock Lake	14U 339670 5832061	5/22/2018	25/09/2018	2.4	>2.4		No mussels observed
Perch Lake	14U 368537 5723830	5/29/2018	13/09/2018	0.7	>0.7	0.5	No mussels observed
Singush Lake (Public)	14U 375269 5718591	5/29/2018	13/09/2018	1	>1.0	0.7	Hook into dock failure-sampler on bottom
Singush Lake (Sawchuks)	14U 374616 5718433						did not deploy-dock under construction
Spray Lake	14U 364690 5733241	5/29/2018	13/09/2018	0.8	>0.8	0.5	No mussels observed
Two Mile Lake(t-dock)	14U 368325 5737864	5/29/2018	14/09/2018	3.2	2.75	1.3	<u>Sampler Not Present</u>
Wellman Lake(main beach)	14U 369290 5741864	5/29/2018	13/09/2018	0.8	>0.8	0.5	<u>Sampler Not Present</u>
West Blue Lake	14U 366519 5720431	5/29/2018	13/09/2018	1.8	>1.8	0.5	No mussels observed
Whitefish Lake	14U 323815 5801671	5/25/2018	25/09/2018	0.7	>0.7	0.5	<u>Sampler Not Present</u>

Summary: In 2018, two waterbodies were added to the program including Marge Lake and Spray Lake which are both located within the Duck Mountain Provincial Park. The second sampler at Singush Lake (Sawchuk Location) was not deployed because the dock was under construction. Following retrieval, samplers were observed both visually and physically prior to bagging and tagging the samples. In this process no suspect adult zebra mussels were identified. Multiple samplers were missing including, Bell Lake, East Blue Lake, Glad Lake, Two Mile Lake, Wellman Lake and Whitefish Lake. Also, multiple samplers were retrieved from the lake bottom including Beautiful Lake, Childs Lake(both locations) and Singush Lake(Public). In 2018, a weight tied with sideline to the bottom of the sampler as well as using cable/cable fasteners to secure the sampler to the dock was introduced. Due to the many failures and missing samplers, new techniques should be applied or old ones adjusted. All samplers retrieved were sent to Winnipeg on October 2nd , 2018.