

MiCorps Volunteer Stream Monitoring Program Monitoring Fact Sheet



Organization Name: Tip of the Mitt Watershed Council

Monitoring Program Name: Volunteer Stream Monitoring

Watersheds Monitored: Cheboygan River, Elk River Chain of Lakes, Lake Charlevoix, Lake Michigan, Lake Huron,

County(ies): Emmet, Charlevoix, Antrim, Cheboygan, Montmorency

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Fact Sheet Updated: 1/28/22

PROGRAM DESCRIPTION: Tip of the Mitt Watershed brings in volunteers, to form teams of 3 or more, two times a year for stream monitoring projects, one in the spring (May) and fall (September). Volunteers are trained on a local stream to provide people with information of program structure, goals, methodologies, field equipment, and biology of macroinvertebrates. Each team samples all habitats of the stream and preserves the specimens they find. Specimens are then identified to family level. Tip of the Mitt Watershed Council uses this data to determine relative health of streams, compare sites, look at changes over time, and inform management decisions at the state and local level.

PROGRAM FAST FACTS

of Years Monitoring: 16

Volunteers participating annually: 62

Active Monitoring Sites:

Excellent Quality Sites: 15 (A)

Very Good Quality Sites: 8 (B)

Good Quality Sites: 6 (C)

Fair Quality Sites: 3 (D)

Fairly Poor Quality Sites: 1 (E)

Poor Quality Sites: 0 (F)

Very Poor Quality Sites: 0

Link to Monitoring Program:

<https://www.watershedcouncil.org/volunteer-stream-monitoring.html>

Link to Quality Assurance Plan:

https://www.watershedcouncil.org/uploads/1/2/6/3/126321286/qapp_vsm_tomwc_021621_withappendices.pdf



Photo: Amanda Weinert and Jon Anthony monitoring Stover Creek, which flows into Lake Charlevoix.

2021 RESULTS

<p>Berry Creek-Banwell Road 45.3888, -84.7297</p> <p>Berry Creek's "A" score remained consistent from 2019 and after a road/stream crossing improvement in 2021.</p>	A
<p>Bessey Creek-Ingleside Road 45.6128, -84.7126</p> <p>Bessey Creek's 2021 score was less than its historical average, likely because it was only monitored in May of 2021.</p>	C
<p>Birney Creek-Rogers Road 45.1342, -85.1296</p> <p>Birney's Creek's score was the same as 2020, however it has decreased from a score of "B" in 2019.</p>	D
<p>Bissell Creek-Moore Road 44.7501, -85.4087</p> <p>Bissell Creek's score has decreased from a score of "B" in 2019.</p>	C
<p>Black River-Barber Bridge 45.1525, -84.2964</p> <p>Black River's 2021 score did not change from the historical average. This site is home to the endangered Hungerford's crawling water beetle.</p>	A
<p>Black River-Tin Shanty Bridge 45.1267, -84.4076</p> <p>Black River's 2021 score did not change from the historical average.</p>	A
<p>Boyne River-Dam Road 45.1967, -84.9557</p> <p>Boyne River's 2021 score was less than the historical average. This is likely because the Dam Road site has a reservoir above it.</p>	B
<p>Boyne River-Dobleski Road 45.1015, -84.8838</p>	A
<p>Boyne River-Thumb Lake Road 45.1729, -84.8606</p> <p>This site is home to the endangered Hungerford's crawling water beetle.</p>	A
<p>Boyne River-US-131 45.1802, -84.9141</p>	B
<p>Cable's Creek-East Side Drive 45.5962, -85.5183</p> <p>Cable's Creek's score has increased from a score of "C" in 2019.</p>	B
<p>Eastport Creek-Farrell Road 45.1291, -85.3375</p> <p>Eastport Creek's 2021 score did not change from the historical average.</p>	A
<p>Eastport Creek-M-88 45.1037, -85.3414</p>	B
<p>Five Mile Creek-Five Mile Creek Nature Preserve 45.4682, -85.0719</p> <p>Five Mile Creek's score has increased from a "D" in 2020.</p>	B
<p>Horton Creek-Boyne City-Charlevoix Road 45.2884, -85.0864</p> <p>Horton Creek's 2021 score was less than the historical average.</p>	A
<p>Horton Creek-Church Road 45.3212, -85.1007</p>	C

<p>Jordan River-Pinney Bridge 45.0122, -85.0186</p> <p>Jordan River's 2021 score did not change from the historical average.</p>	A
<p>Jordan River-Webster Bridge Road 45.1012, -85.0972</p>	A
<p>Maple River-US-31 45.5398, -84.7823</p> <p>Maple River's 2021 score did not change from the historical average.</p>	A
<p>Mill Creek-US-23 45.7416, -84.6685</p> <p>Mill Creek's score has not changed since 2020.</p>	B
<p>Milligan Creek-M-68 45.3612, -84.3668</p> <p>Milligan Creek's 2021 score did not change from the historical average.</p>	A
<p>Milligan Creek-Waveland Road 45.3861, -84.3478</p>	A
<p>Minnehaha Creek-Maxwell Road 45.3375, -84.8175</p> <p>Minnehaha Creek's 2021 score did not change from the historical average. This site's original culvert was replaced by a larger one in 2017.</p>	B
<p>Minnehaha Creek-Pickerel Lake Road 45.3777, -84.8273</p>	B
<p>Mullett Creek-Crump Road 45.5504, -84.6300</p> <p>Mullett Creek's 2021 score was less than the historical average.</p>	C
<p>Mullett Creek-M-27 45.5076, -84.5641</p> <p>This site is home to the endangered Hungerford's crawling water beetle.</p>	D
<p>Oden Creek-US-31 45.4246, -84.8458</p> <p>Oden Creek score decreased from a "C" in 2019.</p>	C
<p>Pigeon River-Sturgeon Valley Road 45.1563, -84.4674</p> <p>Pigeon River's 2021 score did not change from the historical average.</p>	A
<p>Pigeon River-Webb Road 45.2727, -84.4600</p>	A
<p>Shanty Creek-Creepside Drive 44.9347, -85.1855</p> <p>Shanty Creek's score has held steady at "A" since 2020. The invasive New Zealand mudsnail was found downstream of this site by another volunteer group in 2021.</p>	A
<p>Stover Creek-Belvedere Golf Club 45.2957, -85.2710</p>	E
<p>Stover Creek-Brookside Cemetary 45.3013, -85.2681</p> <p>Stover Creek's 2021 score did not change from the historical average.</p>	C
<p>Stover Creek-Irish Boat Shop 45.2954, -85.2426</p> <p>This site is typically low due to Lake Charlevoix water level fluctuations and a dam upstream.</p>	D

