

non-impacted
slightly impacted
moderately impacted
severely impacted



COMMUNITY SCIENCE INSTITUTE

Bio-monitoring RESULTS 2022

		Total Family Richness	EPT Richness	Family Biotic Index	Percent Model Affinity	Density Orgs/sample	BAP Value <small>Biological Assessment Profile</small>
Cayuga Lake Watershed	Enfield Creek 8/12/22 42.402741N, 76.588935W Upper R.H.Treman State Park	11.0 slight impact	6.0 slight impact	5.21 slight impact	53% slight impact	1836	6.6 slight impact
	Enfield Creek 5/19/22 42.398095N, 76.546700W just upstrm of rte 13 bridge	11.0 slight impact	6.0 slight impact	5.14 slight impact	74% no impact	704	7.4 slight impact
	Fishkill Creek 8/12/22 Upper Treman, upstream of Enfield Creek	17.0 no impact	11.0 no impact	3.71 no impact	75% no impact	678	9.2 no impact
	Buttermilk Creek 9/17/22 42.417105N, 76.522558W Lower Buttermilk near playground	14.0 no impact	5.0 slight impact	4.69 slight impact	57% slight impact	201	6.9 slight impact
	Six Mile Creek 8/20/22 42.396300N, 76.334333W Slaterville 600 Rd.	13.5 no impact	10.5 no impact	3.54 no impact	71% no impact	1,008	9.0* no impact
	Six Mile Creek 8/18/22 42.402909N, 76.436369W upstream of German Cross Rd	12.0 slight impact	6.0 slight impact	5.50 slight impact	62% slight impact	3,760	6.3 slight impact
	Six Mile Creek 8/19/22 42.419465N, 76.465312W first good riffle dwnstrm of Potters Falls	15.5 no impact	6.0 slight impact	4.30 no impact	47% moderate impact	714 (analyzed live)	7.2* slight impact
	Six Mile Creek 9/24/22 42.434082N, 76.504191W just downstream of Plain St. Bridge	14.0 no impact	8.0 no impact	4.48 no impact	72% no impact	1,480	8.1 no impact
	Cascadilla Creek 7/8/22 42.43726835N, 76.41369147W Genung Rd	15.0 no impact	5.0 slight impact	5.22 slight impact	58% slight impact	1,296	6.9 slight impact
	Cascadilla Creek 9/19/22 42.440917N, 76.448354W Game Farm Rd	12.0 slight impact	6.0 slight impact	4.46 no impact	39% moderate impact	1,407	6.3 slight impact
	Cascadilla Creek 9/19/22 42.441510N, 76.468277W Cornell Aquaculture Building	14.0 no impact	9.0 no impact	4.25 no impact	54% slight impact	2,716	7.4 slight impact
	Cascadilla Creek 7/8/22 42.4459N, 76.5002W Thompson Park	12.0 slight impact	3.0 slight impact	5.73 moderate impact	58% slight impact	1,048	5.8 slight impact
	Fall Creek 8/3/22 42.639681N, 76.278677W Rte 90, below Lake Como	14.0 no impact	8.0 no impact	4.86 slight impact	41% moderate impact	4,482	6.6 slight impact
	Fall Creek 8/3/22 42.457884N, 76.437961W Freese Rd	13.0 slight impact	8.0 no impact	5.16 slight impact	71% no impact	1,082	7.4 slight impact
	Fall Creek -LakeSt Upstrm 7/5/22 42.453137N, 76.493173W upstream of Lake St bridge (dwntrwn)	11.0 slight impact	8.0 no impact	5.06 slight impact	66% no impact	1,035	6.8 slight impact
	Salmon Creek 9/15/22 42.539959N, 76.543486W Myers Point	12.0 slight impact	7.0 slight impact	4.55 slight impact	69% no impact	1,444	7.2 slight impact
	Taughannock Creek 10/1/22 42.529682N, 76.635175W ~500' dwnstrm of Rte 96 bridge	13.0 slight impact	6.0 slight impact	4.49 no impact	51% slight impact	2,012	6.8 slight impact
	Great Gully Creek 9/29/22 42.807746N, 76.701681W Upstream Rte 90	15.0# no impact	6.0# slight impact	4.95# slight impact	60%# slight impact	77	7.2# slight impact
Seneca Lake Watershed	Catharine Creek 9/30/22 42.327932N, 76.844442W South Genesee Street	15.0 no impact	8.0 no impact	4.99 slight impact	56% slight impact	1,620	7.4 slight impact
Onondaga Lake Watershed	Ninemile Creek 7/7/22 43.00674552N, 76.33637341W Marcellus Falls	7.0 moderate impact	5.0 slight impact	5.71 moderate impact	77% no impact	1,059	6.1 slight impact
	Ninemile Creek 7/7/22 43.0698118N, 76.2734161W dwnstrm of Amboy Dam	7.0 moderate impact	2.0 moderate impact	5.48 slight impact	46% moderate impact	9,048	4.3 moderate impact

* Based on the average of two replicate samples. All other results are based on a single sample.

Total number of organisms collected in sample was less than 100 required for accurate metric calculations.

BAP is a composite index that incorporates Total Family Richness, Family Biotic Index, EPT Richness and Percent Model Affinity.

Samples collected and analyzed using a modified version of Hudson Basin River Watch Tier 3 Protocols (as outlined in A Rough Guide to BMI with CSI) unless otherwise noted.