

non-impacted
slightly impacted
moderately impacted
severely impacted



THE COMMUNITY SCIENCE INSTITUTE

Bio-monitoring RESULTS 2019

Cayuga Lake Watershed

Seneca Lake Watershed

Susquehanna River Watershed

	Total Family Richness	EPT Richness	Family Biotic Index	Percent Model Affinity	Density Orgs/sample	BAP Value Biological Assessment Profile
Enfield Creek 8/29/19 42.402741N, 76.588935W Upper R.H.Treman State Park	17.0 no impact	9.0 no impact	4.34 no impact	73% no impact	1,422	8.8* no impact
Enfield Creek 7/4/19 42.398095N, 76.546700W just upstrm of rte 13 bridge	12.0 slight impact	7.0 slight impact	4.15 no impact	56% slight impact	316	7.0* slight impact
Cayuga Inlet 8/1/19 42.39691N, 76.542953W just upstream of confluence w/Enfield Creek	13.0 slight impact	7.0 slight impact	5.59 moderate impact	70% no impact	1,038	6.9* slight impact
Six Mile Creek 8/24/19 42.396300N, 76.334333W Slaterville 600 Rd.	13.5 no impact	8.5 no impact	4.95 slight impact	80% no impact	3,270 (analyzed live)	8.0 no impact
Six Mile Creek 8/30/19 42.402909N, 76.436369W upstream of German Cross Rd	15.5 no impact	9.0 no impact	4.16 no impact	79% no impact	not calculated (analyzed live)	9.0 no impact
Six Mile Creek 8/26/19 42.419465N, 76.465312W first good riffle dwnstrm of Potters Falls	11.5 slight impact	6.0 slight impact	4.04 no impact	47% slight impact	1,688 (analyzed live)	6.5 slight impact
Six Mile Creek 4/11/19 42.434082N, 76.504191W just downstream of Plain St. Bridge	13.5 no impact	6.5 slight impact	4.10 no impact	79% no impact	766	8.0 no impact
Six Mile Creek 9/15/19 42.434082N, 76.504191W just downstream of Plain St. Bridge	13.0 slight impact	8.0 no impact	4.17 no impact	73% no impact	2,172	7.9* no impact
Fall Creek 8/8/19 42.457884N, 76.437961W Freese Rd	16.0 no impact	10.0 no impact	5.11 slight impact	59% slight impact	2,940	8.2* no impact
Fall Creek -LakeSt Upstrm 9/24/19 42.453137N, 76.493173W upstream of Lake St bridge (downtwn)	13.0 slight impact	7.0 slight impact	4.52 slight impact	47% moderate impact	1,120	6.4* slight impact
Cascadilla Creek 9/17/19 42.445081N, 76.499623W Thompson Park	13.0 slight impact	6.0 slight impact	5.02 slight impact	65% no impact	1,210	7.0 slight impact
Cascadilla Creek 6/8/19 42.447921N, 76.501958W Hancock St	15.0 no impact	7.0 slight impact	5.86 moderate impact	75% no impact	1,896	7.3 slight impact
Buttermilk Creek 7/25/19 42.40174N, 76.512054W Upper Buttermilk, downstream of Lake Treman	10.0 slight impact	4.0 slight impact	3.95 no impact	52% slight impact	244	6.3* slight impact
Buttermilk Creek 9/21/19 42.417105N, 76.522558W Lower Buttermilk near playground	11.0 slight impact	4.0 slight impact	4.91 slight impact	43% moderate impact	988	5.6* slight impact
Fishkill Creek 8/29/19 42.402467N, 76.587969W Upper Treman, upstream of Enfield Creek	12.0 slight impact	8.0 no impact	4.25 no impact	68% no impact	1,476	7.6* no impact
Hector Falls Creek 7/30/19 42.414028N, 76.792038W Texas Hollow	11.0 slight impact	6.0 slight impact	3.62 no impact	51% slight impact	1,312	6.7* slight impact
Belden Hollow 9/27/19 42.555628N, 76.912676W Mouth - just upstream of road	12.0 slight impact	6.0 slight impact	4.36 no impact	60% slight impact	784	7.0* slight impact
Reeder Creek 9/21/19 42.789525N, 76.897984W Cool Property	11.0 slight impact	5.0 slight impact	4.49 no impact	44% moderate impact	1,036	6.0* slight impact
Reeder Creek 9/06/19 42.789525N, 76.897984W upstream of Rte 96A	9.0 moderate impact	4.0 slight impact	4.64 slight impact	48% moderate impact	3,708	5.5* slight impact
Owego Creek 9/9/19 42.11215N, 76.278384W Talcott St Bridge	14.0 no impact	9.0 no impact	4.91 slight impact	72% no impact	6,672	8.0* no impact
Owego Creek 9/9/19 42.128506N, -76.26998W Upstream of Turner St Bridge	8.0 moderate impact	5.0 slight impact	4.31 no impact	59% slight impact	6,000	6.2* slight impact

* Results marked with an asterisk are based on one replicate sample.
All other results are based on an average of the results from 2 replicate samples.

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