

non-impacted
slightly impacted
moderately impacted
severely impacted



THE COMMUNITY SCIENCE INSTITUTE

Bio-monitoring RESULTS 2020

	Total Family Richness	EPT Richness	Family Biotic Index	Percent Model Affinity	Density Orgs/sample	BAP Value Biological Assessment Profile
Enfield Creek 8/16/20 42.402741N, 76.588935W Upper R.H.Treman State Park	10.0 slight impact	6.0 slight impact	3.90 no impact	39% moderate impact	786	6.0* slight impact
Enfield Creek 7/6/20 42.398095N, 76.546700W just upstrm of rte 13 bridge	13.0 slight impact	7.0 slight impact	5.35 slight impact	68% no impact	1,696	7.1* slight impact
Cayuga Inlet 8/27/20 42.3201519, 76.518236W upstream of Station Rd, West Danby	17.0 no impact	7.0 slight impact	4.68 slight impact	60% slight impact	2,154	7.8* no impact
Six Mile Creek 8/22/20 42.396300N, 76.334333W Slaterville 600 Rd.	16.0 no impact	11.0 no impact	3.70 no impact	74% no impact	1,456	9.2 no impact
Six Mile Creek 8/30/20 42.402909N, 76.436369W upstream of German Cross Rd	16.5 no impact	9.0 no impact	4.26 no impact	72% no impact	1,248	8.8 no impact
Six Mile Creek 8/31/20 42.419465N, 76.465312W first good riffle dwnstrm of Potters Falls	15.5 no impact	5.5 slight impact	4.81 slight impact	42% moderate impact	440 (analyzed live)	6.8 slight impact
Six Mile Creek 9/10/20 42.434082N, 76.504191W just downstream of Plain St. Bridge	11.0 slight impact	6.0 slight impact	4.10 no impact	69% no impact	1,440	7.2* slight impact
Virgil Creek 7/20/20 42.4866148N, 76.29898468W downstream of South St, Dryden	14.0 no impact	8.0 no impact	4.91 slight impact	54% slight impact	2,424	7.2* slight impact
Virgil Creek 7/21/20 42.434082N, 76.504191W Springhouse Rd	15.0 no impact	7.0 slight impact	4.72 slight impact	45% moderate impact	5,742	6.8* slight impact
Fall Creek 9/5/20 42.4700771, 76.42080417 4-H Acres	15.0 no impact	6.0 slight impact	5.13 slight impact	57% slight impact	3,996	7.1* slight impact
Fall Creek 8/20/20 42.457884N, 76.437961W Freese Rd	13.0 slight impact	8.0 no impact	4.54 slight impact	56% slight impact	2,280	7.1* slight impact
Fall Creek -LakeSt Upstrm 8/20/20 42.453137N, 76.493173W upstream of Lake St bridge (downtwn)	8.0 moderate impact	7.0 slight impact	3.23 no impact	46% moderate impact	1,998	6.1* slight impact
Cascadilla Creek 9/30/20 42.441283N, 76.450272W E. Ithaca Recway, dwnstrm of Game Farm Rd	15.0 no impact	6.0 slight impact	4.20 no impact	62% slight impact	904	7.7* no impact
Cascadilla Creek 9/30/20 42.4459N, 76.5002W Thompson Park	16.0 no impact	7.0 slight impact	4.89 slight impact	74% no impact	776	8.1* no impact
Buttermilk Creek 7/11/20 42.40174N, 76.512054W Upper Buttermilk, downstream of Lake Treman	13.0 slight impact	5.0 slight impact	4.91 slight impact	48% moderate impact	645	6.5* slight impact
Buttermilk Creek 9/26/20 42.417105N, 76.522558W Lower Buttermilk near playground	15.0 no impact	5.0 slight impact	5.36 slight impact	55% slight impact	197	6.8* slight impact
Fishkill Creek 8/6/20 42.402467N, 76.587969W Upper Treman, upstream of Enfield Creek	16.0 no impact	9.0 no impact	3.43 no impact	60% slight impact	406	8.7* no impact
Salmon Creek 7/16/20 42.539959N, 76.543486W Myers Point	11.0 slight impact	7.0 slight impact	5.33 slight impact	43% moderate impact	1272+	5.8* slight impact
Taughannock Creek 9/17/20 42.529682N, 76.635175W ~500' dwnstrm of Rte 96 bridge	17.0 no impact	8.0 no impact	4.72 slight impact	63% slight impact	702	8.1* no impact
Catatonk Creek 8/24/20 42.1424255N, 76.2948117W Glen Mary Drive	17.0 no impact	10.0 no impact	4.78 slight impact	63% slight impact	9,876	8.2* no impact
Owego Creek 8/24/20 42.128506N, -76.26998W Upstream of Turner St Bridge	11.0 slight impact	8.0 no impact	4.56 slight impact	65% no impact	8,364	7.0* slight impact

Cayuga Lake Watershed

Susquehanna River Watershed

* 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.