



THE COMMUNITY SCIENCE INSTITUTE

Bio-monitoring RESULTS 2018

non-impacted
slightly impacted
moderately impacted
severely impacted

	Total Family Richness	EPT Richness	Family Biotic Index	Percent Model Affinity	Density Orgs/sample	BAP Value Biological Assessment Profile
Cayuga Lake Watershed	Enfield Creek 5/11/18 42.398095N, 76.546700W just upstrm of rte 13 bridge	14.0 no impact	7.0 slight impact	4.61 slight impact	77% no impact	669 7.7* no impact
	Six Mile Creek 9/8/18 42.396300N, 76.334333W Slaterville 600 Rd.	18.5 no impact	10.0 no impact	4.51 no impact	68% no impact	1,656 (analyzed live) 8.7 no impact
	Six Mile Creek 9/2/18 42.402909N, 76.436369W upstream of German Cross Rd	14.5 no impact	8.0 no impact	4.65 slight impact	50% slight impact	not calculated (analyzed live) 7.2 slight impact
	Six Mile Creek 8/27/18 42.419465N, 76.465312W first good riffle dwnstrm of Potters Falls	13.0 slight impact	6.0 slight impact	4.10 no impact	37% moderate impact	1,016 (analyzed live) 6.1 slight impact
	Six Mile Creek 9/16/18 42.434082N, 76.504191W just downstream of Plain St. Bridge	12.0 slight impact	7.0 slight impact	4.21 no impact	65% no impact	2,088 7.4* slight impact
	Fall Creek 8/31/18 42.513889N, 76.353389W Freeville	14.0 no impact	7.0 slight impact	4.63 slight impact	37% moderate impact	6,084 6.3* slight impact
	Fall Creek 8/29/18 42.457884N, 76.437961W Freese Rd	13.0 slight impact	10.0 no impact	4.62 slight impact	60% slight impact	2,430 7.6* no impact
	Taughannock Creek 7/17/18 42.453751N, 76.712925W ~1,100 ft upstrm of CR6 in Mecklenburg	10.0 slight impact	15.0 no impact	5.03 slight impact	51% slight impact	4,392 7.6* no impact
	Taughannock Creek 7/17/18 42.456133N, 76.709739W just downstream of Rte 79 in Mecklenburg	15.0 no impact	7.0 slight impact	4.60 slight impact	61% slight impact	855 7.5* slight impact
	Taughannock Creek 7/17/18 42.529682N, 76.635175W ~500' dwnstrm of Rte 96 bridge	11.0 slight impact	6.0 slight impact	4.39 no impact	44% moderate impact	1,800 6.2* slight impact
	Cascadilla Creek 10/11/18 42.445081N, 76.499623W Thompson Park	16.0 no impact	7.0 slight impact	5.12 slight impact	58% slight impact	776 7.5* slight impact
	Buttermilk Creek 8/9/18 42.40174N, 76.512054W Upper Buttermilk, downstream of dam	12.0 slight impact	6.0 slight impact	3.91 no impact	44% moderate impact	1472 6.4* slight impact
	Buttermilk Creek 9/13/18 42.417105N, 76.522558W Lower Buttermilk near playground	12.0 slight impact	4.0 slight impact	4.81 slight impact	45% moderate impact	555 5.5* slight impact
	Fishkill Creek 7/12/18 42.402467N, 76.587969W Upper Treman, upstream of Enfield Creek	16.0 no impact	11.0 no impact	3.89 no impact	51% slight impact	908 8.4* no impact
Owasco Lake Watershed	Fillmore Glen Creek 7/6/18 42.698941N, 76.415653W near pavilion, dwnstrm of swim area	13.0 slight impact	8.0 no impact	4.40 no impact	74% no impact	374 7.9* no impact
Susquehanna River Watershed	Owego Creek 9/4/18 42.11215N, 76.278384W Talcott St Bridge	15.0 no impact	8.0 no impact	5.85 moderate impact	52% slight impact	1,976 6.7* slight impact
	Owego Creek 9/4/18 42.128506N, -76.26998W Upstream of Turner St Bridge	11.0 slight impact	6.0 slight impact	6.19 moderate impact	59% slight impact	1,900 5.9* 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.