



# THE COMMUNITY SCIENCE INSTITUTE

## Bio-monitoring RESULTS 2017

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	
<b>Cayuga Lake Watershed</b>	<b>Enfield Creek - Mouth</b> 9/16/17 42.398095N, 76.546700W just upstrm of rte 13 bridge	<b>14.0</b> no impact	<b>7.5</b> no impact	<b>4.64</b> slight impact	<b>69%</b> no impact	1,120	<b>7.7</b> no impact
	<b>Six Mile Creek-SlatvI600rd</b> 8/26/17 42.396300N, 76.334333W Slaterville 600 Rd.	<b>16.0</b> no impact	<b>9.5</b> no impact	<b>4.26</b> no impact	<b>73%</b> no impact	2,088	<b>9.0</b> no impact
	<b>Six Mile Creek-upstm GerCrs</b> 9/4/17 42.402909N, 76.436369W German Cross Rd	<b>14.0</b> no impact	<b>7.5</b> no impact	<b>4.82</b> slight impact	<b>78%</b> no impact	not calculated (analyzed live)	<b>7.8</b> no impact
	<b>Six Mile Creek-blw Potters Falls</b> 8/27/17 42.419465N, 76.465312W first good riffle dwnstrm of Potters Falls	<b>14.5</b> no impact	<b>7.0</b> slight impact	<b>4.44</b> no impact	<b>48%</b> moderate impact	4,344 (analyzed live)	<b>7.0</b> slight impact
	<b>Six Mile Creek-Plain Street</b> 9/9/17 42.434082N, 76.504191W just downstream of Plain St. Bridge	<b>11.5</b> slight impact	<b>6.0</b> slight impact	<b>3.93</b> no impact	<b>65%</b> no impact	1,864	<b>7.3</b> slight impact
	<b>Fall Creek</b> 8/30/17 42.457884N, 76.437961W Freese Rd	<b>11.0</b> slight impact	<b>6.5</b> slight impact	<b>5.09</b> slight impact	<b>63%</b> slight impact	11,904	<b>6.6</b> slight impact
	<b>Taughannock Creek</b> 10/1/17 42.529682N, 76.635175W ~500' dwnstrm of Rte 96 bridge	<b>11.5</b> slight impact	<b>5.0</b> slight impact	<b>3.85</b> no impact	<b>70%</b> no impact	585	<b>7.4</b> slight impact
	<b>Trumansburg Creek</b> 6/2/12 42.540714N, 76.649079W just dwnstrm of Tburg wstwr trtmnt	<b>10.0</b> slight impact	<b>5.5</b> slight impact	<b>5.16</b> slight impact	<b>45%</b> moderate impact	2,444	<b>5.6*</b> slight impact
<b>Seneca Lake Watershed</b>	<b>Catharine Creek</b> 9/28/17 42.327932N, 76.844442W South Genesee St.	<b>15.0</b> no impact	<b>8.0</b> no impact	<b>4.78</b> slight impact	<b>52%</b> slight impact	1,828	<b>7.3*</b> slight impact
	<b>Hector Falls Creek</b> 5/9/17 42.418533N, 76.848167W Upstream of Burdett Fire House	<b>15.0</b> no impact	<b>10.0</b> no impact	<b>3.88</b> no impact	<b>71%</b> no impact	1,500	<b>8.8*</b> no impact
	<b>Tug Hollow (Logan) Creek</b> 5/9/17 42.423581N, 76.852775W just upstream of CR 5	<b>11.0</b> slight impact	<b>9.0</b> no impact	<b>3.00</b> no impact	<b>52%</b> slight impact	656	<b>7.4*</b> slight impact
	<b>Reeder Creek</b> 9/30/17 42.786247N, 76.926965W upstream of E. Lake Rd bridge	<b>14.5</b> no impact	<b>4.5</b> slight impact	<b>4.53</b> slight impact	<b>57%</b> slight impact	202	<b>7.1</b> slight impact
<b>Susquehanna River Watershed</b>	<b>Owego Creek</b> 8/31/17 42.11215N, 76.278384W Talcott St Bridge	<b>13.0</b> slight impact	<b>7.0</b> slight impact	<b>4.64</b> slight impact	<b>78%</b> no impact	12,900	<b>7.5*</b> slight impact
	<b>Owego Creek</b> 8/31/17 42.128506N, -76.26998W Upstream of Turner St Bridge	<b>12.0</b> slight impact	<b>7.5</b> no impact	<b>4.43</b> no impact	<b>76%</b> no impact	14,026	<b>7.7</b> no impact
	<b>Pony Hollow Creek</b> 6/10/17 42.296081N, 76.685647W Cayuta Rd near Rte 13	<b>12.0</b> slight impact	<b>9.5</b> no impact	<b>3.66</b> no impact	<b>73%</b> no impact	734	<b>8.2</b> no impact
	<b>Hoffman Brook</b> 9/28/17 42.094763N, 76.829748W 910 Hoffman St., Elmira	<b>13.0</b> slight impact	<b>6.0</b> slight impact	<b>5.61</b> slight impact	<b>45%</b> moderate impact	242	<b>5.5*</b> 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.