



# THE COMMUNITY SCIENCE INSTITUTE

## Bio-monitoring RESULTS 2015

non-impacted
slightly impacted
moderately impacted
severely impacted

	Total Family Richness	EPT Richness	Family Biotic Index	Percent Model Affinity	Density Orgs/sample	BAP Value <small>Biological Assessment Profile</small>
Cayuga Lake Watershed	<b>Virgil Creek</b> 4/29/15 42.494555N, 76.313860W Spring House Rd	<b>13.0</b> slight impact	<b>8.5</b> no impact	<b>4.25</b> no impact	<b>64%</b> no impact	1,622 <b>7.8</b> no impact
	<b>Owasco Inlet</b> 4/29/15 42.584633N, 76.367965W upstream of Rte 38 bridge	<b>10.0</b> slight impact	<b>6.0</b> slight impact	<b>4.69</b> slight impact	<b>83%</b> no impact	1,852 <b>7.1</b> slight impact
	<b>Six Mile Creek-SlatvI600rd</b> 8/29/15 42.396300N, 76.334333W Slaterville 600 Rd.	<b>15.5</b> no impact	<b>9.5</b> no impact	<b>3.90</b> no impact	<b>77%</b> no impact	1218 <b>9.1</b> no impact
	<b>Six Mile Creek-upstm GerCrs</b> 8/27/15 42.402909N, 76.436369W German Cross Rd	<b>14.5</b> no impact	<b>8.5</b> no impact	<b>4.76</b> slight impact	<b>72%</b> no impact	analyzed live <b>8.0</b> no impact
	<b>Six Mile Creek-blw Potters Falls</b> 8/26/15 42.419465N, 76.465312W first good riffle dwnstrm of Potters Falls	<b>13.0</b> slight impact	<b>5.5</b> slight impact	<b>4.56</b> slight impact	<b>57%</b> slight impact	1,947 analyzed live <b>6.7</b> slight impact
	<b>Six Mile Creek-Plain Street</b> 8/23/15 42.434082N, 76.504191W just downstream of Plain St. Bridge	<b>14.5</b> no impact	<b>7.5</b> no impact	<b>4.02</b> no impact	<b>71%</b> no impact	966 <b>8.1</b> no impact
	<b>Six Mile Creek-Plain Street</b> 4/30/15 42.434082N, 76.504191W just downstream of Plain St. Bridge	<b>16.0</b> no impact	<b>8.0</b> no impact	<b>4.29</b> no impact	<b>75%</b> no impact	1,056 <b>8.5*</b> no impact
	<b>Enfield Creek - Mouth</b> 5/17/15 42.398095N, 76.546700W just upstrm of rte 13 bridge	<b>11.5</b> slight impact	<b>7.0</b> slight impact	<b>5.56</b> moderate impact	<b>47%</b> moderate impact	1,526 <b>5.8</b> slight impact
	<b>Cayuga Inlet</b> 7/25/15 42.41196N, 76.53028W Rte 13/13A	<b>14.0</b> no impact	<b>6.0</b> slight impact	<b>5.92</b> moderate impact	<b>52%</b> slight impact	529 <b>6.1</b> slight impact
	<b>Cayuga Inlet</b> 7/25/15 42.423119N, 76.523706W Behind Home Depot	<b>10.0</b> slight impact	<b>5.0</b> slight impact	<b>6.55</b> moderate impact	<b>46%</b> moderate impact	906 <b>4.9</b> moderate impact
	<b>Buttermilk Creek</b> 5/16/15 42.417105N, 76.522558W Lower Buttermilk	<b>16.5</b> no impact	<b>8.5</b> no impact	<b>5.04</b> slight impact	<b>70%</b> no impact	322 <b>8.7</b> no impact
	<b>Taughannock Creek</b> 8/15/15 42.529682 N, 76.635175 W ~500' dwnstrm of Rte 96 bridge	<b>13.0</b> slight impact	<b>6.5</b> slight impact	<b>4.84</b> slight impact	<b>61%</b> slight impact	2032 <b>6.9</b> slight impact
	<b>Fall Creek</b> 8/6/15 42.457884N, 76.437961W Freese Rd	<b>11.0</b> slight impact	<b>6.5</b> slight impact	<b>5.24</b> slight impact	<b>51%</b> slight impact	5,799 <b>6.1</b> slight impact
	<b>Fall Creek -LakeSt Upstrm</b> 5/14/15 42.453137N, 76.493173W upstrm of Lake St bridge (dwntwn)	<b>12.5</b> slight impact	<b>6.5</b> slight impact	<b>4.66</b> slight impact	<b>75%</b> no impact	423 <b>7.4</b> slight impact
	<b>Cascadilla Creek</b> 7/5/15 42.447921N, 76.501958W Hancock Bridge	<b>Tier 2 Protocols Used</b>	<b>5.5</b> slight impact	<b>4.69</b> slight impact	<b>71%</b> no impact	645 <b>Tier 2 Protocols Used</b>
Seneca Lake Watershed	<b>Reeder Creek</b> 5/10/15 42.786247N, 76.926965W upstream of E. Lake Rd bridge	<b>11.5</b> slight impact	<b>7.0</b> slight impact	<b>5.50</b> slight impact	<b>76%</b> no impact	6,510 <b>7.0</b> slight impact
Susquehanna River Watershed	<b>Wylie Brook</b> 7/31/15 42.192147N, 75.618586W Upstream of rte 7	<b>18.0</b> no impact	<b>10.5</b> no impact	<b>4.68</b> slight impact	<b>83%</b> no impact	663 <b>9.0</b> no impact

Samples collected and analyzed using Hudson Basin River Watch Tier 3 Protocols ([www.hudsonbasin.org](http://www.hudsonbasin.org)) unless otherwise noted.

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

\* Results marked with an asterisk are based on just one replicate sample.