



# THE COMMUNITY SCIENCE INSTITUTE

## Bio-monitoring RESULTS 2012

non-impacted
slightly impacted
moderately impacted
severely impacted

	Total Family Richness	EPT Richness	Family Biotic Index	Percent Model Affinity	Density <small>of organisms in sample</small>	BAP Value (Biological Assessment Profile)
<b>Enfield Creek - Upper</b> 5/12/12 42.415112N, 76.619806W just upstrm of rte 327 bridge	<b>12.5</b> slight impact	<b>7.5</b> no impact	<b>3.92</b> no impact	<b>74%</b> no impact	866	<b>7.8</b> no impact
<b>Enfield Creek - Mouth</b> 5/12/12 42° 23.889' N, 76° 32.782' W just upstrm of rte 13 bridge	<b>13.5</b> no impact	<b>8.0</b> no impact	<b>4.06</b> no impact	<b>83%</b> no impact	1082	<b>8.3</b> no impact
<b>Six Mile Creek-Slatvl600rd</b> 9/11/12 42.396300N, 76.334333W Slaterville 600 Rd.	<b>15.5</b> no impact	<b>9.0</b> no impact	<b>4.21</b> no impact	<b>71%</b> no impact	analyzed live	<b>8.8</b> no impact
<b>Six Mile Creek-upstrm GerCrs</b> 9/10/12 42.402909 N, 76.436369 W just upstrm of German Cross Rd	<b>17.0</b> no impact	<b>7.5</b> no impact	<b>4.20</b> no impact	<b>70%</b> no impact	analyzed live	<b>8.5</b> no impact
<b>Six Mile Creek-blw Potters Falls</b> 9/5/12 42.41960 N, 76.46510 W first good riffle dwnstrm of Potters Falls	<b>13.0</b> slight impact	<b>5.0</b> slight impact	<b>4.26</b> no impact	<b>35%</b> moderate impact	539 analyzed live	<b>6.0</b> slight impact
<b>Fall Creek</b> 9/10/12 42.457264 N, 76.438124 W Freese Rd	<b>13.0</b> slight impact	<b>8.5</b> no impact	<b>5.16</b> slight impact	<b>49%</b> moderate impact	2130	<b>6.7</b> slight impact
<b>Trumansburg Creek</b> 7/25/12 42.541258N, 76.650769W King St (upstream of wstwtr trtmnt)	<b>15.5</b> no impact	<b>7.5</b> no impact	<b>4.04</b> no impact	<b>41%</b> moderate impact	716	<b>7.4</b> slight impact
<b>Trumansburg Creek</b> 6/2/12 42.540714N, 76.649079W just dwnstrm of Tburg wstwtr trtmnt	<b>8.5</b> moderate impact	<b>3.0</b> slight impact	<b>6.01</b> moderate impact	<b>33%</b> severe impact	2124	<b>4.0</b> moderate impact
<b>Salmon Creek</b> 6/5/12 42.539959N, 76.543486W Myers Point	<b>12.5</b> slight impact	<b>7.0</b> slight impact	<b>4.87</b> slight impact-	<b>69%</b> no impact	2096	<b>7.2</b> slight impact
<b>Paines Creek</b> 5/15/12 42.726766N, 76.684675W just upstrm of Moonshine Rd (extinct bridge)	<b>10.5</b> slight impact	<b>5.5</b> slight impact	<b>5.18</b> slight impact	<b>78%</b> no impact	782	<b>6.9</b> slight impact
<b>Cayuta Creek</b> 9/16/12 42.1874, -76.5628 308 Beckhorn Hollow Rd (drctly E of barn)	<b>18.0</b> no impact	<b>8.5</b> no impact	<b>4.63</b> slight impact	<b>63%</b> slight impact	1976	<b>8.4</b> no impact
<b>Catatonk Creek</b> 6/26/12 42.244444 N, 76.375152 W Upstream of Griddleville Crossing Rd	<b>13.0</b> slight impact	<b>8.0</b> no impact	<b>4.03</b> no impact	<b>51%</b> slight impact	1810	<b>7.2</b> slight impact
<b>W.Branch Owego Creek</b> 9/30/12 42.3424 N, 76.2444 W Angler's access	<b>14.0</b> no impact	<b>7.5</b> no impact	<b>3.93</b> no impact	<b>69%</b> no impact	1454	<b>8.0</b> no impact
<b>*E.Branch Owego Creek-Up</b> 11/23/12 OWHW monitoring site Upstream of Harford Mills	<b>15.0</b> no impact	<b>10.0</b> no impact	<b>3.70</b> no impact	<b>80%</b> no impact	996	<b>9.0*</b> no impact
<b>*E.Branch Owego Creek-Dn</b> 11/21/12 42.362559N, 76.19813W Downstream of Harford Mills	<b>11.0</b> slight impact	<b>7.0</b> slight impact	<b>3.97</b> no impact	<b>54%</b> slight impact	7260	<b>6.8*</b> slight impact

Cayuga  
Lake  
Watershed

Susquehanna  
River  
Watershed

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

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

\* Results for starred sites are based on data from just one replicate sample taken outside of the normal sampling season.