



# THE COMMUNITY SCIENCE INSTITUTE

## Bio-monitoring RESULTS 2011

non-impacted
slightly impacted
moderately impacted
severely impacted

Cayuga  
Lake  
Watershed

	Total Family Richness	EPT Richness	Family Biotic Index	Percent Model Affinity	Density Orgs/Sample	BAP Value (Biological Assessment Profile)
<b>Enfield Creek</b> 5/21/11 42°23.889' N, 76°32.782'W just upstrm of rte 13 bridge	<b>12.5</b> slight impact	<b>7.0</b> slight impact	<b>3.20</b> no impact	<b>67%</b> no impact	290	<b>7.7</b> no impact
<b>Six Mile Creek -Ger Crs</b> 8/22/11 42.402909 N, 76.436369 W just upstrm of German Cross Rd	<b>15.0</b> no impact	<b>8.5</b> no impact	<b>4.40</b> no impact	<b>68%</b> no impact	analyzed live	<b>8.3</b> no impact
<b>Six Mile Creek -Potters</b> 8/23/11 42.41960 N, 76.46510 W first good riffle dwnstrm of Potters Falls	<b>15.0</b> no impact	<b>6.0</b> slight impact	<b>4.10</b> no impact	<b>46%</b> moderate impact	analyzed live	<b>7.0</b> slight impact
<b>Fall Creek -LakeSt Upstrm</b> 10/8/11 42.453204 N, 76.49408 W just upstrm of Lake St bridge (downtwn)	<b>13.0</b> slight impact	<b>8.5</b> no impact	<b>4.44</b> no impact	<b>54%</b> slight impact	515	<b>7.3</b> slight impact
<b>Fall Creek -LakeSt Dnstrm</b> 7/13/11 42.453347 N, 76.495711 W just dwnstrm of Lake St bridge (downtwn)	<b>11.5</b> slight impact	<b>7.0</b> slight impact	<b>4.45</b> no impact	<b>47%</b> moderate impact	1316	<b>6.3</b> slight impact
<b>Trumansburg Creek</b> 6/4/11 42.5 N, 76.6 W just dwnstrm of Tburg wstwtr trtmnt	<b>10.5</b> slight impact	<b>4.5</b> slight impact	<b>4.89</b> slight impact	<b>63%</b> slight impact	508	<b>6.5</b> slight impact
<b>Taughannock Creek</b> 7/30/11 42.529682 N, 76.635175 W ~500' dwnstrm of Rte 96 bridge	<b>14.5</b> no impact	<b>7.0</b> slight impact	<b>4.57</b> slight impact	<b>63%</b> slight impact	884	<b>7.5</b> no/slight impact
<b>Paines Creek</b> 6/9/11 42.726766N, 76.684675W just upstrm of Moonshine Rd (extinct bridge)	<b>5.5</b> severe impact	<b>2.0</b> moderate impact	<b>5.61</b> moderate impact	<b>34%</b> severe impact	1122	<b>3.5</b> moderate impact
<b>Cayuta Creek</b> 8/14/11 42.1874, -76.5628 308 Beckhorn Hollow Rd (drctly E of barn)	<b>12.5</b> slight impact	<b>7.5</b> no impact	<b>4.63</b> slight impact	<b>58%</b> slight impact	2328	<b>7.0</b> slight impact

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

Susquehanna  
River  
Watershed