

non-impacted
slightly impacted
moderately impacted
severely impacted



# COMMUNITY SCIENCE INSTITUTE

## Bio-monitoring RESULTS 2025

	Total Family Richness	EPT Richness	Family Biotic Index	Percent Model Affinity	Density Orgs/sample	BAP Value <small>Biological Assessment Profile</small>
<b>Enfield Creek</b> 6/26/25 42.402741N, 76.588935W Upper R.H.Treman State Park	<b>17.0</b> no impact	<b>10.4</b> no impact	<b>3.58</b> no impact	<b>47%</b> moderate impact	630	<b>8.3</b> no impact
<b>Enfield Creek</b> 9/15/25 42.398095N, 76.546700W just upstrm of rte 13 bridge	<b>12.6</b> slight impact	<b>6.7</b> slight impact	<b>5.61</b> moderate impact	<b>59%</b> slight impact	1,182	<b>6.4</b> slight impact
<b>Fishkill Creek</b> 6/26/25 Upper Treman, upstream of Enfield Creek	<b>12.7</b> slight impact	<b>7.4</b> no impact	<b>3.60</b> no impact	<b>42%</b> moderate impact	1404	<b>6.7</b> slight impact
<b>Cayuga Inlet</b> 9/15/25 42.397623N, 76.543177W dwnstrm of RR bridge	<b>12.9</b> slight impact	<b>6.7</b> slight impact	<b>4.57</b> slight impact	<b>55%</b> slight impact	4,232	<b>6.8</b> slight impact
<b>Buttermilk Creek</b> 8/16/25 42.417105N, 76.522558W Lower Buttermilk near playground	<b>13.2</b> no impact	<b>6.3</b> slight impact	<b>5.23</b> slight impact	<b>56%</b> slight impact	1,022	<b>6.7</b> slight impact
<b>Six Mile Creek</b> 8/24/25 42.396300N, 76.334333W Slaterville 600 Rd.	<b>14.1</b> no impact	<b>9.7</b> no impact	<b>3.31</b> no impact	<b>55%</b> slight impact	2,256	<b>8.1*</b> no impact
<b>Six Mile Creek</b> 8/23/25 42.402909N, 76.436369W upstream of German Cross Rd	<b>11.1</b> slight impact	<b>6.2</b> slight impact	<b>5.37</b> slight impact	<b>65%</b> no impac	2,768	<b>6.6</b> slight impact
<b>Six Mile Creek</b> 8/22/25 42.419465N, 76.465312W first good riffle dwnstrm of Potters Falls	<b>16.7</b> no impact	<b>7.2</b> no impact	<b>4.45</b> no impact	<b>55%</b> slight impact	1,024 (analyzed live)	<b>7.7*</b> no impact
<b>Six Mile Creek</b> 7/28/25 42.434082N, 76.504191W just downstream of Plain St. Bridge	<b>11.2</b> slight impact	<b>6.7</b> slight impact	<b>4.06</b> no impact	<b>65%</b> no impact	7,992	<b>7.3</b> slight impact
<b>Cascadilla Creek</b> 7/24/25 42.44091728N, 76.44833379W Game Farm Rd	<b>13.3</b> no impact	<b>7.5</b> no impact	<b>5.00</b> slight impact	<b>59%</b> slight impact	840	<b>7.1</b> slight impact
<b>Cascadilla Creek</b> 10/1/25 42.4459N, 76.5002W Thompson Park	<b>13.2</b> no impact	<b>5.8</b> slight impact	<b>4.96</b> slight impact	<b>50%</b> slight impact	768	<b>6.5</b> slight impact
<b>Fall Creek</b> 7/11/25 42.457884N, 76.437961W Freese Rd	<b>10.6</b> slight impact	<b>5.9</b> slight impact	<b>5.24</b> slight impact	<b>80%</b> no impact	1,952	<b>6.5</b> slight impact
<b>Sucker Brook</b> 5/17/25 42.902424N, 76.367965W Mouth	<b>15.6</b> no impact	<b>5.9</b> slight impact	<b>5.61</b> slight impact	<b>64%</b> slight impact	860	<b>7.3</b> slight impact
<b>Fall Creek -Ithaca Falls</b> 7/18/25 42.453137N, 76.493173W upstream of Lake St bridge (dwntrwn)	<b>11.4</b> slight impact	<b>7.0</b> slight impact	<b>5.11</b> slight impact	<b>73%</b> no impact	1,179	<b>7.0</b> slight impact
<b>Salmon Creek</b> 7/18/25 42.539959N, 76.543486W Myers Point	<b>11.1</b> slight impact	<b>5.1</b> slight impact	<b>5.40</b> slight impact	<b>52%</b> slight impact	3,540	<b>6.0</b> slight impact
<b>Taughannock Creek</b> 9/30/25 42.529682N, 76.635175W ~500' dwnstrm of Rte 96 bridge	<b>14.1</b> no impact	<b>7.7</b> no impact	<b>4.43</b> no impact	<b>56%</b> slight impact	1,428	<b>7.5</b> slight impact
<b>Big Stream</b> 9/3/25 42.490348N, 76.914326W Glenora Point	<b>9.4</b> moderate impact	<b>8.4</b> no impact	<b>4.74</b> slight impact	<b>42%</b> moderate impact	10,182	<b>6.1</b> slight impact
<b>Yawger Creek</b> 8/7/25 42.878893N, 76.6838W Cross Rd.	<b>12.2</b> slight impact	<b>4.5</b> slight impact	<b>5.93</b> moderate impact	<b>76%</b> no impact	3,342	<b>6.5</b> slight impact
<b>Great Gully</b> 8/7/25 42.807746N, 76.701681W upstream of Rte 90	<b>12.3</b> slight impact	<b>6.2</b> slight impact	<b>5.14</b> slight impact	<b>80%</b> no impact	217	<b>7.2</b> slight impact
<b>Catharine Creek</b> 9/30/25 42.327932N, 76.844442W South Genesee Street	<b>15.8</b> no impact	<b>10.3</b> no impact	<b>5.02</b> slight impact	<b>52%</b> slight impact	980	<b>7.9</b> no impact
<b>Sawmill Creek</b> 9/3/25 42.49861373N, 76.88883207W Mouth - Dwnstrm Peach Orchard Rd	<b>11.4</b> slight impact	<b>6.8</b> slight impact	<b>4.56</b> slight impact	<b>47%</b> moderate impact	1,384	<b>6.3</b> slight impact

Cayuga  
Lake  
Watershed

Seneca  
Lake  
Watershed

Skaneateles  
Lake  
Watershed

\* For these samples, two replicate samples were collected and analyzed and the results averaged

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