

| |
|---------------------|
| non-impacted |
| slightly impacted |
| moderately impacted |
| severely impacted |



COMMUNITY SCIENCE INSTITUTE

Bio-monitoring RESULTS 2023

| | Total Family Richness | EPT Richness | Family Biotic Index | Percent Model Affinity | Density Orgs/sample | BAP Value <small>Biological Assessment Profile</small> |
|--|-------------------------------|-----------------------------|--------------------------------|-------------------------------|--------------------------|---|
| Enfield Creek 8/17/23 42.402741N, 76.588935W Upper R.H.Treman State Park | 13.0 slight impact | 6.0 slight impact | 4.40 no impact | 73% no impact | 2,244 | 7.5 slight impact |
| Enfield Creek 7/28/23 42.398095N, 76.546700W just upstrm of rte 13 bridge | 15.0 no impact | 7.0 slight impact | 6.52 moderate impact | 49% moderate impact | 2,073 | 6.9 slight impact |
| Fishkill Creek 8/17/23 Upper Treman, upstream of Enfield Creek | 19.0 no impact | 9.0 no impact | 4.45 no impact | 71% no impact | 1,578 | 8.8 no impact |
| Cayuga Inlet 7/5/23 42.39691N, 76.542953W ~300m upstrm of cnflce w/Enfield Creek | 12.0 slight impact | 5.0 slight impact | 5.81 moderate impact | 64% slight impact | 215 | 6.2 slight impact |
| Buttermilk Creek 7/25/23 42.396569N, 76.509299W Above Lake Treman | 15.0 no impact | 8.0 no impact | 5.23 slight impact | 77% no impact | 664 | 8.0 no impact |
| Buttermilk Creek 9/2/23 42.417105N, 76.522558W Lower Buttermilk near playground | 12.0 slight impact | 7.0 slight impact | 4.92 slight impact | 36% moderate impact | 141 | 6.0 slight impact |
| Six Mile Creek 8/27/23 42.396300N, 76.334333W Slaterville 600 Rd. | 16.0 no impact | 10.0 no impact | 3.49 no impact | 64% slight impact | 2,512 | 9.0 no impact |
| Six Mile Creek 9/11/23 42.385663N, 76.376234W Attis Mill | 13.0 slight impact | 8.0 no impact | 4.92 slight impact | 76% no impact | 2,820 | 7.6 no impact |
| Six Mile Creek 9/11/23 42.389034N, 76.414444W Middaugh Rd. | 10.0 slight impact | 5.0 slight impact | 5.40 slight impact | 72% no impact | 1,068 | 6.5 slight impact |
| Six Mile Creek 8/26/23 42.402909N, 76.436369W upstream of German Cross Rd | 10.0 slight impact | 6.0 slight impact | 5.14 slight impact | 72% no impact | 1,098 | 6.7 slight impact |
| Six Mile Creek 8/28/23 42.419465N, 76.465312W first good riffle dwnstrm of Potters Falls | 14.0 no impact | 6.5 slight impact | 4.45 no impact | 49% moderate impact | 1,496 (analyzed live) | 7.0 slight impact |
| Six Mile Creek 7/11/23 42.434082N, 76.504191W just downstream of Plain St. Bridge | 11.0 slight impact | 6.0 slight impact | 3.87 no impact | 63% slight impact | 2,540 | 7.1 slight impact |
| Cascadilla Creek 9/18/23 42.4459N, 76.5002W Thompson Park | 15.0 no impact | 6.0 slight impact | 5.38 slight impact | 57% slight impact | 977 | 7.0 slight impact |
| Virgil Creek 9/14/23 42.484708N, 76.292839W Lake Rd | 14.0 no impact | 8.0 no impact | 4.14 no impact | 77% no impact | 624 | 8.3 no impact |
| Virgil Creek 9/14/23 42.434082N, 76.504191W Springhouse Rd | 14.0 no impact | 7.0 slight impact | 4.93 slight impact | 54% slight impact | 3,296 | 6.9 slight impact |
| Fall Creek 9/14/23 42.457884N, 76.437961W Freese Rd | 19.0 no impact | 9.0 no impact | 5.12 slight impact | 62% slight impact | 1,856 | 8.1 no impact |
| Fall Creek -LakeSt Upstrm 5/22/23 42.453137N, 76.493173W upstream of Lake St bridge (dwntrn) | 12.0 slight impact | 6.0 slight impact | 5.37 slight impact | 72% no impact | 492 | 6.9 slight impact |
| Salmon Creek 7/18/23 42.539959N, 76.543486W Myers Point | 10.0 slight impact | 4.0 slight impact | 5.26 slight impact | 52% slight impact | 933 | 5.7 slight impact |
| Taughannock Creek 9/23/23 42.529682N, 76.635175W ~500' dwnstrm of Rte 96 bridge | 11.0 slight impact | 7.0 slight impact | 4.58 slight impact | 40% moderate impact | 2,148 | 6.0 slight impact |
| Canoga Creek 9/24/23 42.86339454N, 76.74737434W Mainstem Bridge Riffle | 9.0 moderate impact | 3.0 slight impact | 4.96 slight impact | 39% moderate impact | 11,868 | 4.9 moderate impact |
| Reeder Creek 10/18/23 42.78742N, 76.88643W Btwn N. Patrol and Access Rds | 16.0 no impact | 5.0 slight impact | 4.68 slight impact | 48% moderate impact | 852 | 7.0 slight impact |

Cayuga
Lake
Watershed

Seneca
Lake
Watershed

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