

TRAVERSE CREEK MACROINVERTEBRATES 2007

STATION	Nature Area TRC-1	Meadowbrook TRC-4	Above Waterfall TRC-5
Richness Measures			
Taxa Richness	26	27	24
Ephemeroptera Taxa	3	4	4
Plecoptera Taxa	2	2	3
EPT Taxa	10	12	12
Trichoptera Taxa	5	6	5
Composition Measures			
EPT Index (%)	61.3%	28.7%	67.2%
Sensitive EPT Index (%)	30.3%	5.8%	33.8%
% Ephemeroptera	13.6%	18.9%	36.0%
% Plecoptera	12.5%	1.3%	17.1%
% Trichoptera	31.6%	13.2%	16.8%
% Hydropsychidae(w/o Arctopsychninae)	1.49%	2.67%	4.23%
% Batidae	4.67%	1.22%	15.17%
Tolerance/Intolerance Measures			
% Tolerant Organisms	2.43	3.12	0.75
% Intolerant Organisms	30.71	5.35	26.87
Tolerance Value	4.04	4.98	3.56
% Dominant Taxa	21.50%	22.44%	15.17%
Functional Feeding Groups			
% Collectors (CG)	40.26%	50.33%	44.78%
% Filterers (FC)	27.53%	24.94%	4.23%
% Scrapers (SC)	8.80%	6.24%	22.39%
% Predators (P)	9.18%	12.47%	11.69%
% Shredders (SH)	13.11%	0.45%	11.69%
Subsample size	535	450	402
Estimated Sample Abundance	1070	675	402