

Macroinvertebrate Analysis for 2009 NY-PA Interstate Sites

Sampling Site	APAL 6.9	BNTY 0.9	CASC 1.6	CAYT 1.7	CHOC 9.1	HLDN 3.5	LSNK 7.6	SEEL 10.3	SNAK 2.3	SOUT 7.6	TROW 1.8
<b>Raw Summary</b>											
Number of Individuals	188	287	267	276	269	218	261	290	313	282	378
Percent Shredders (SH)	0.0	0.3	4.5	0.0	1.9	0.0	1.5	1.7	1.0	0.4	0.0
Percent Collector-Gatherers (CG/GC)	90.4	61.0	65.5	31.9	74.7	72.9	42.9	73.4	62.9	50.7	78.8
Percent Filterer-Collectors (FC)	4.3	31.4	24.3	54.3	16.7	14.2	52.9	22.4	32.3	35.5	18.8
Percent Scrapers (SC)	7.4	6.6	9.0	18.1	5.6	14.2	7.3	0.7	4.5	18.4	2.9
Percent Predators (P/PR)	2.1	1.7	5.2	0.7	4.8	3.7	6.9	1.7	2.2	1.1	0.3
Number of EPT Taxa	6	12	14	14	11	12	14	8	11	15	9
Number of EPT Individuals	25	73	176	225	136	82	185	82	222	202	154
<b>Metric Scores</b>											
Taxonomic Richness	14	21	22	19	21	19	26	15	18	25	14
Shannon Diversity Index	1.2	1.8	2.2	2.1	1.9	1.9	2.5	1.4	1.9	2.5	1.4
Modified Hilsenhoff Biotic Index	5.9	5.6	4.9	4.8	5.3	5.3	4.7	5.6	5.5	5.0	5.7
EPT Index	6	12	14	14	11	12	14	8	11	15	9
Percent Ephemeroptera	12.8	13.9	42.7	29.3	36.8	21.1	24.5	9.0	40.3	37.9	22.2
Percent Chironomidae	71.3	48.4	19.1	2.9	34.2	51.8	16.9	64.5	22.0	12.4	57.4
Percent Dominant Taxa	71.3	48.4	37.5	30.8	34.2	51.8	24.1	64.5	33.9	24.1	57.4
<b>Percent of Reference of Percentage Score</b>											
Taxonomic Richness	53.8	80.8	84.6	73.1	80.8	73.1	100.0	57.7	69.2	96.2	53.8
Shannon Diversity Index	50.3	71.1	87.5	84.6	77.3	75.3	99.0	55.0	77.6	100.0	55.7
Hilsenhoff Index	79.8	83.8	96.9	97.3	88.2	88.6	100.0	84.1	85.7	93.5	82.4
EPT Index	40.0	80.0	93.3	93.3	73.3	80.0	93.3	53.3	73.3	100.0	60.0
Percent Ephemeroptera	12.8	13.9	42.7	29.3	36.8	21.1	24.5	9.0	40.3	37.9	22.2
Percent Chironomidae	71.3	48.4	19.1	2.9	34.2	51.8	16.9	64.5	22.0	12.4	57.4
Percent Dominant Taxa	71.3	48.4	37.5	30.8	34.2	51.8	24.1	64.5	33.9	24.1	57.4
<b>Biological Condition Scores</b>											
Taxonomic Richness	2	6	6	4	6	4	6	2	4	6	2
Shannon Diversity Index	4	4	6	6	6	6	6	4	6	6	4
Hilsenhoff Index	4	4	6	6	6	6	6	4	6	6	4
EPT Index	0	4	6	6	2	4	6	0	2	6	0
Percent Ephemeroptera	4	4	6	6	6	4	6	2	6	6	4
Percent Chironomidae	0	0	4	6	2	0	4	0	2	4	0
Percent Dominant Taxa	0	0	2	2	2	0	4	0	2	4	0
<b>Total Biological Score</b>											
Total Biological Score	14	22	36	36	30	24	38	12	28	38	14
Biological Percent of Reference	37	58	95	95	79	63	100	32	74	100	37

Macroinvertebrate Analysis for 2009 NY-

Sampling Site	TRUP 4.5	WAPP 2.6
Number of Individuals	206	327
Percent Shredders (SH)	0.0	0.0
Percent Collector-Gatherers (CG/GC)	77.7	74.9
Percent Filterer-Collectors (FC)	18.0	22.6
Percent Scrapers (SC)	4.4	4.6
Percent Predators (P/PR)	1.9	1.2
Number of EPT Taxa	7	11
Number of EPT Individuals	79	152
Taxonomic Richness	13	18
Shannon Diversity Index	1.5	1.7
Modified Hilsenhoff Biotic Index	5.7	5.6
EPT Index	7	11
Percent Ephemeroptera	23.3	26.9
Percent Chironomidae	54.4	51.1
Percent Dominant Taxa	54.4	51.1
Taxonomic Richness	50.0	69.2
Shannon Diversity Index	60.8	68.4
Hilsenhoff Index	82.7	84.6
EPT Index	46.7	73.3
Percent Ephemeroptera	23.3	26.9
Percent Chironomidae	54.4	51.1
Percent Dominant Taxa	54.4	51.1
Taxonomic Richness	2	4
Shannon Diversity Index	4	4
Hilsenhoff Index	4	6
EPT Index	0	2
Percent Ephemeroptera	4	6
Percent Chironomidae	0	0
Percent Dominant Taxa	0	0
Total Biological Score	14	22
Biological Percent of Reference	37	58