

Macroinvertebrate Analysis for 2009 River Interstate Sites

Sampling Site	CHEM 12.0	COWN 1.0	COWN 2.2	SUSQ 44.5	SUSQ 289.1	SUSQ 340.0	SUSQ 365.0	TIOG 10.8
Raw Summary								
Number of Individuals	117	344	222	242	277	238	270	224
Percent Shredders (SH)	6.0	2.6	18.0	2.1	2.5	4.2	1.5	1.8
Percent Collector-Gatherers (CG/GC)	68.4	77.3	69.4	64.9	50.9	67.2	54.4	25.0
Percent Filterer-Collectors (FC)	9.4	15.7	27.0	14.0	45.1	13.0	40.4	52.7
Percent Scrapers (SC)	32.5	6.4	1.8	26.4	30.0	61.8	23.7	19.6
Percent Predators (P/PR)	4.3	0.3	0.9	0.8	2.2	0.4	1.1	6.3
Number of EPT Taxa	9	7	5	13	13	11	21	16
Number of EPT Individuals	48	87	70	202	202	168	189	169
Metric Scores								
Taxonomic Richness	22	15	12	22	25	20	33	28
Shannon Diversity Index	2.6	1.8	1.7	2.1	2.6	2.2	2.8	2.1
Modified Hilsenhoff Biotic Index	5.8	5.7	6.0	5.0	4.2	3.2	4.6	5.1
EPT Index	9	7	5	13	13	11	21	16
Percent Ephemeroptera	39.3	11.0	2.7	71.5	52.0	63.4	44.4	24.1
Percent Chironomidae	10.3	42.4	36.0	5.4	3.6	9.2	10.4	11.2
Percent Dominant Taxa	16.2	42.4	36.0	47.1	17.3	39.1	15.9	45.5
Percent of Reference of Percentage Score								
Taxonomic Richness	66.7	45.5	36.4	66.7	75.8	60.6	100.0	84.8
Shannon Diversity Index	91.5	64.5	60.0	74.0	92.3	78.0	100.0	74.2
Hilsenhoff Index	55.9	56.5	54.2	65.1	77.6	100.0	70.0	62.8
EPT Index	42.9	33.3	23.8	61.9	61.9	52.4	100.0	76.2
Percent Ephemeroptera	39.3	11.0	2.7	71.5	52.0	63.4	44.4	24.1
Percent Chironomidae	10.3	42.4	36.0	5.4	3.6	9.2	10.4	11.2
Percent Dominant Taxa	16.2	42.4	36.0	47.1	17.3	39.1	15.9	45.5
Biological Condition Scores								
Taxonomic Richness	4	2	0	4	4	4	6	6
Shannon Diversity Index	6	4	4	4	6	6	6	6
Hilsenhoff Index	2	2	2	2	4	6	4	2
EPT Index	0	0	0	0	0	0	6	2
Percent Ephemeroptera	6	4	2	6	6	6	6	4
Percent Chironomidae	4	0	0	6	6	4	4	4
Percent Dominant Taxa	6	0	2	0	6	2	6	0
Total Biological Score								
Total Biological Score	28	12	10	22	32	28	38	24
Biological Percent of Reference	74	32	26	58	84	74	100	63