

Appendix 1. Ephemeroptera , Plecoptera, and Trichoptera taxa and abundance taken at 10 Illinois Northeastern Morainal Natural Division stream sites, spring and summer 1999-2000. Hilsenhoff tolerance values provided for each taxon.

Taxon	Kishwaukee #1	Kishwaukee #2	South Branch Kishwaukee	South Kinnikinnick	Ferson	Jackson	Plum #1	Plum #2	Trib. Brewster	HBI Tyler	HBI Tolerance
EPHEMEROPTERA (Mayflies)											
Baetidae											
<i>Acerpenna pygmaea</i>	0	0	0	0	0	11	0	0	0	0	4
<i>Baetis brunneicolor</i>	101	2	0	389	0	0	0	0	0	11	4
<i>Baetis flavistriga</i>	56	1	28	441	38	15	1	0	0	43	4
<i>Baetis intercalaris</i>	0	2	17	0	0	116	0	6	0	0	6
<i>Baetis</i> sp.	0	0	0	0	0	0	0	0	0	0	
<i>Procloeon propinquum</i>	0	28	4	0	0	0	0	0	0	0	6
<i>Plauditus</i> sp.	0	1	3	0	0	0	0	0	0	0	
<i>Procloeon viridoculare</i>	0	0	4	0	0	0	0	0	0	0	
Caenidae											
<i>Caenis amica</i>	0	0	0	0	1	0	0	0	0	0	7
<i>Caenis diminuta</i>	0	0	0	0	1	0	0	0	53	0	7
<i>Caenis latipennis</i>	0	0	8	4	46	173	39	0	0	4	7
<i>Caenis punctata</i>	0	0	0	0	0	0	1	0	0	1	7
<i>Caenis</i> sp.	0	0	0	0	0	0	0	1	6	0	7
Ephemeridae											
<i>Hexagenia bilineata</i>	0	0	0	0	1	0	0	0	0	0	6
<i>Hexagenia</i> sp.	0	0	1	0	1	0	0	0	0	0	6
Heptageniidae											
<i>Heptagenia diabasia</i>	0	138	15	0	1	0	0	0	0	0	3
<i>Leucrocuta</i> sp.	0	0	80	0	1	93	0	1	0	6	1
<i>Stenacron interpunctatum</i>	0	5	9	40	54	8	3	123	23	6	7
<i>Stenonema femoratum</i>	0	0	0	0	0	7	0	0	0	0	5
<i>Stenonema mediopunctatum</i>	0	0	0	1	21	0	0	0	0	0	3
<i>Stenonema mexicanum</i>	0	0	6	0	0	0	0	0	0	0	4
<i>Stenonema terminatum</i>	0	61	10	0	0	0	0	0	0	0	4
<i>Stenonema</i> sp.	0	0	1	0	0	0	0	0	0	1	
Isonychiidae											
<i>Isonychia</i> sp.	0	0	28	0	2	17	0	0	0	6	2
Leptohiphidae											
<i>Tricorythodes</i> sp.	0	3	162	0	17	0	0	0	0	0	4

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Potamanthidae											
<i>Anthopotamus</i> sp.	0	0	2	0	0	0	0	0	0	0	4
PLECOPTERA (Stoneflies)											
Perlidae											
<i>Perlesta lagoi</i>	0	0	0	0	0	55	0	0	29	0	5
<i>Perlesta</i> sp.	1	4	0	9	22	0	44	11	0	38	5
Perlodidae	0	0	0	0	0	0	0	0	0	0	
<i>Isoperla nana</i>	2	0	0	0	0	1	0	0	0	0	
Pteronarcyidae											
<i>Pteronarcys pictetii</i>	0	0	1	0	0	0	0	0	0	0	0
TRICHOPTERA (Caddisflies)											
Helicopsychidae											
<i>Helicopsyche borealis</i>	0	0	0	0	0	0	0	1	83	0	3
Hydropsychidae											
<i>Ceratopsyche bronta</i>	0	0	0	0	1	0	0	0	0	0	5
<i>Ceratopsyche morosa</i> sp. group	0	4	2	17	11	53	0	1	0	240	5
<i>Ceratopsyche slossonae</i>	11	0	0	21	0	0	0	0	0	0	4
<i>Cheumatopsyche campyla</i>	0	0	0	0	0	1	0	0	0	0	5
<i>Cheumatopsyche pettiti</i>	1	1	0	0	2	0	4	0	4	0	5
<i>Cheumatopsyche</i> sp.	25	179	4	0	22	106	74	205	8	86	5
<i>Hydropsyche arinale</i>	0	0	0	3	0	0	0	0	0	0	5
<i>Hydropsyche betteni</i>	100	1	0	108	8	0	14	47	11	0	6
<i>Hydropsyche bidens</i>	0	61	0	0	0	0	0	0	0	0	3
<i>Hydropsyche frisoni</i>	0	8	0	0	0	0	0	0	0	0	
<i>Hydropsyche simulans</i>	0	33	3	0	0	0	0	0	0	9	7
<i>Hydropsyche simulans</i> or <i>rossi</i>	0	0	0	0	0	1	0	0	0	0	7
<i>Hydropsyche</i> sp.	0	0	0	0	0	0	0	0	0	4	
<i>Potamyia flava</i>	0	0	1	0	0	0	0	0	0	0	5
Hydropsychidae sp.	1	0	0	0	0	0	1	0	0	0	
Hydroptilidae											
<i>Hydroptila angusta</i>	0	0	0	0	0	0	0	0	1	0	6
<i>Hydroptila grandiosa</i>	0	0	0	5	0	0	0	0	0	0	6

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Hydroptilidae, cont.											
<i>Hydroptila</i> sp.	1	0	3	2	0	12	0	0	0	0	6
<i>Stactobiella palmata</i>	0	0	0	0	0	0	0	0	4	0	2
Leptoceridae											
<i>Ceraclea cancellata</i>	0	0	0	0	0	1	0	0	0	0	3
<i>Ceraclea tarsipunctata</i>	0	0	2	0	0	1	0	0	0	0	3
<i>Ceraclea transversa</i>	0	0	2	0	0	0	0	0	1	0	3
<i>Nectopsyche candida</i>	0	0	4	0	0	0	0	0	0	0	3
<i>Nectopsyche diarina</i>	1	30	3	0	0	0	0	0	0	8	3
<i>Nectopsyche exquisita</i>	0	0	21	0	0	0	0	0	0	0	3
<i>Nectopsyche</i> sp.	0	13	0	0	0	0	0	0	0	0	3
<i>Oecetis inconspicua</i>	0	0	0	0	0	0	0	0	1	0	8
<i>Oecetis nocturna</i>	0	0	0	0	0	0	0	0	6	0	8
<i>Oecetis</i> sp.A	0	0	0	0	1	0	0	0	0	0	8
<i>Triaenodes melaca</i>	0	0	0	0	1	0	8	2	21	0	6
Limnephilidae											
<i>Limnephilus submonilifer</i>	0	0	0	0	0	0	1	0	1	0	3
<i>Pycnopsyche</i> sp.	1	0	3	0	0	0	4	6	1	0	4
Philopotamidae											
<i>Chimarra obscura</i>	0	0	0	0	1	1	2	0	0	1	4
Polycentropodidae											
<i>Cernotina</i> sp.	0	0	0	0	0	0	0	13	0	0	
<i>Paranyctiophylax</i> sp.	0	0	0	22	1	0	0	2	0	0	5
Uenoidae											
<i>Neophylax concinnus</i>	0	0	0	3	0	0	0	0	0	0	3
Total Abundance	301	575	427	1065	254	672	196	419	253	464	
Ephemeroptera	2	9	15	5	11	8	4	4	2	8	
Plecoptera	2	1	1	1	1	2	1	1	1	1	
Trichoptera	6	7	11	6	8	7	7	8	11	5	
Total EPT	10	17	27	12	20	17	12	13	14	14	