

Appendix K. Macroinvertebrate Tolerances for Pennsylvania Streams

TAXA	Hils	Rel. Abundance		
		1	2	3
SCREEN#				
MISCELLANEOUS				
1. Annelida	9			
2. Bryozoa	4			
3. Hirudinea	8			
4. Hydracarina	7			
5. Oligochaeta	10			
6. Tubificidae	10			
7. Turbellaria	9			
8. Other Worms	9			
Gastropoda - Snails				
9. Ancyliidae	7			
10. Hydrobiidae	8			
11. Lymnaeidae	7			
12. Physidae	8			
13. Planorbidae	6			
14. Pleuroceridae	7			
15. Valvatidae	2			
16. Viviparidae	8			
Bivalvia - Clams				
17. Corbiculidae	4			
18. Sphaeriidae	8			
19. Unionidae	4			
Isopoda - Sow Bugs				
20. Asellidae	8			
Amphipoda - Scuds				
21. Amphipoda	6			
22. Crangonyctidae	4			
23. Gammaridae	4			
24. Talitridae	8			
Decapoda - Crayfish				
25. Cambaridae	6			
INSECTA				
MAYFLIES - Ephemeroptera				
26. Ameletidae	0			
27. Baetidae	6			
28. Baetiscidae	3			
29. Caenidae	7			
30. Ephemerellidae	2			
31. Ephemeridae	4			
32. Heptageniidae	3			
33. Isonychiidae	3			
34. Leptophlebiidae	4			
35. Neophemeridae	3			
36. Polymitarcyidae	2			
37. Potamanthidae	4			
38. Siphonuridae	7			
39. Tricorythidae	4			
DRAGONFLIES - Odonata				
40. Aeshnidae	3			
41. Cordulegastridae	3			
42. Corduliidae	5			
43. Macromiinae	3			
44. Gomphidae	4			
45. Libellulidae	9			
DAMSELFLIES - Odonata				
46. Calopterygidae	5			
47. Coenagrionidae	8			
48. Lestidae	9			
STONEFLIES - Plecoptera				
49. Capniidae	3			
50. Chloroperlidae	0			
51. Leuctridae	0			
52. Nemouridae	2			
53. Peltoperlidae	2			
54. Perlidae	3			
55. Perlodidae	2			
56. Pteronarcyidae	0			
57. Taeniopterygidae	2			
BEETLES - Coleoptera				
58. Dryopidae	5			
59. Dytiscidae	5			
60. Elmidae	5			
61. Gyrinidae	4			
62. Hydrophilidae	5			
63. Psephenidae	4			
64. Ptilodactylidae	5			
DOBSONFLIES & ALDERFLIES - Megaloptera				
65. Corydalidae	3			
66. Corydalus	4			
67. Nigronia	2			
68. Sialidae	6			
SPONGILLAFILIES - Neuroptera				
69. Sisyridae	1			
CADDISFLIES - Trichoptera				
70. Brachycentridae	1			
71. Glossosomatidae	0			
72. Helicopsychidae	3			
73. Hydropsychidae	5			
74. Hydroptilidae	4			
75. Lepidostomatidae	1			
76. Leptoceridae	4			
77. Limnephilidae	4			
78. Molannidae	6			
79. Odontoceridae	0			
80. Philopotamidae	3			
81. Phryganeidae	4			
82. Polycentropodidae	6			
83. Psychomyiidae	2			
84. Rhyacophilidae	1			
85. Uenoidae	3			
86. Moths - Lepidoptera	5			
TRUE FLIES - Diptera				
87. Athericidae	2			
88. Blephariceridae	0			
89. Ceratopogonidae	6			
90. Chironomidae (red)	10			
91. Chironomidae (other)	6			
92. Dixidae	1			
93. Dolichopodidae	4			
94. Empididae	6			
95. Psychodidae	10			
96. Simuliidae	6			
97. Tabanidae	6			
98. Tipulidae	4			
99. Other Diptera	6+			
Total "Other" Taxa				
SAMPLE Total				
# Taxa				
Code of Dominant Taxa				

Relative Abundance: (R)are < 3 (P)resent 3-9 (C)ommon 10-24 (A)bundant 25-100 (VA)Very Abundant > 100

Comments:

C/E Sample Numbers:	Macroinvertebrates:	Water:
Field Chem:	pH: <input style="width: 50px;" type="text"/>	Temp: <input style="width: 50px;" type="text"/>
	°C	Conductivity: <input style="width: 50px;" type="text"/>
	Uohms	D.O. <input style="width: 50px;" type="text"/>
		mg/l