

Appendix B. List of taxonomic groups and their tolerance to pollution score, functional feeding group and mobility and attachment to substrate classification

Phylum	Class	Subclass	Order	Family	N	Tolerance to pollutantion		Functional feeding group		Mobility and attachment to substrate	
						Score	Reference	Classification	Reference	Classification	Reference
Arthropoda	Insecta		Ephemeroptera	Baetidae	861	5	Junqueira et al, 1998	C-G	Cummins et al, 2005	CRA, SWI	Tomanova, 2008
Arthropoda	Insecta		Ephemeroptera	Caenidae	142	4	Alba-Tercedor, 1996	C-G	Cummins et al, 2005	CRA	Tomanova, 2008
Arthropoda	Insecta		Ephemeroptera	Euthyplociidae	9	9	Róldan-Pérez, 2003	C-G	Cummins et al, 2005	BUR	Tomanova, 2008
Arthropoda	Insecta		Ephemeroptera	Leptohyphidae	1433	8	Junqueira et al, 1998	C-G	Cummins et al, 2005	CRA	Tomanova, 2008
Arthropoda	Insecta		Ephemeroptera	Leptophlebiidae	1503	10	Junqueira et al, 1998	C-G	Cummins et al, 2005	CRA, SWI	Tomanova, 2008
Arthropoda	Insecta		Odonata	Aeshnidae	3	6	Róldan-Pérez, 2003	PRD	Cummins et al, 2005	CRA	Merrit et al, 2008
Arthropoda	Insecta		Odonata	Calopterygidae	67	8	Junqueira et al, 1998	PRD	Cummins et al, 2005	CRA	Merrit et al, 2008
Arthropoda	Insecta		Odonata	Coenagrionidae	123	7	Junqueira et al, 1998	PRD	Cummins et al, 2005	CRA	Tomanova, 2008
Arthropoda	Insecta		Odonata	Corduliidae	5	8	Alba-Tercedor, 1996	PRD	Cummins et al, 2005	CRA, BUR	Tachet et al, 2000
Arthropoda	Insecta		Odonata	Gomphidae	84	10	Róldan-Pérez, 2003	PRD	Merrit et al, 2008	BUR, CRA	Tomanova, 2008
Arthropoda	Insecta		Odonata	Libellulidae	76	8	Junqueira et al, 1998	PRD	Cummins et al, 2005	BUR, CRA	Tomanova, 2008
Arthropoda	Insecta		Odonata	Megapodagrionidae	21	6	Róldan-Pérez, 2003	PRD	Cummins et al, 2005	-	-
Arthropoda	Insecta		Plecoptera	Gryopterygidae	556	10	Junqueira et al, 1998	SHR	Cummins et al, 2005	CRA	Gooderham & Tsyrlin, 2002
Arthropoda	Insecta		Plecoptera	Perlidae	384	8	Junqueira et al, 1998	PRD	Merrit et al, 2008	CRA	Tomanova, 2008
Arthropoda	Insecta		Heteroptera	Belostomatidae	6	5	Junqueira et al, 1998	PRD	Lunde & Resh, 2012	CRA, SWI	Merrit et al, 2008
Arthropoda	Insecta		Heteroptera	Corixidae	2	5	Junqueira et al, 1998	PRD	Lunde & Resh, 2012	SWI	Merrit et al, 2008
Arthropoda	Insecta		Heteroptera	Gerridae	2	5	Junqueira et al, 1998	PRD	Lunde & Resh, 2012	SWI	Merrit et al, 2008
Arthropoda	Insecta		Heteroptera	Mesoveliidae	1	5	Junqueira et al, 1998	PRD	Lunde & Resh, 2012	SWI, CRA	Merrit et al, 2008
Arthropoda	Insecta		Heteroptera	Naucoridae	183	5	Junqueira et al, 1998	PRD	Cummins et al, 2005	SWI	Tomanova, 2008
Arthropoda	Insecta		Heteroptera	Notonectidae	2	7	Róldan-Pérez, 2003	PRD	Lunde & Resh, 2012	SWI	Merrit et al, 2008
Arthropoda	Insecta		Heteroptera	Pleidae	59	8	Róldan-Pérez, 2003	PRD	Cummins et al, 2005	SWI	Merrit et al, 2008
Arthropoda	Insecta		Heteroptera	Veliidae	45	8	Róldan-Pérez, 2003	PRD	Gooderham & Tsyrlin, 2002	SKT	Merrit et al, 2008
Arthropoda	Insecta		Trichoptera	Calamoceratidae	53	10	Róldan-Pérez, 2003	SHR	Cummins et al, 2005	CRA	Tomanova, 2008
Arthropoda	Insecta		Trichoptera	Ecnomidae	19	7	Alba-Tercedor, 1996	C-F	Merrit et al, 2008	CRA	Merrit et al, 2008
Arthropoda	Insecta		Trichoptera	Glossosomatidae	219	7	Junqueira et al, 1998	SCR	Cummins et al, 2005	CRA, TAT	Tomanova, 2008
Arthropoda	Insecta		Trichoptera	Helicopsychidae	8	8	Róldan-Pérez, 2003	SCR	Cummins et al, 2005	CRA	Tomanova, 2008
Arthropoda	Insecta		Trichoptera	Hydrobiosidae	5	9	Róldan-Pérez, 2003	PRD	Cummins et al, 2005	CRA	Merrit et al, 2008
Arthropoda	Insecta		Trichoptera	Hydropsychidae	602	7	Róldan-Pérez, 2003	C-F	Cummins et al, 2005	CRA, TAT	Tomanova, 2008
Arthropoda	Insecta		Trichoptera	Hydroptilidae	22	7	Junqueira et al, 1998	SCR	Cummins et al, 2005	CRA, TAT	Tomanova, 2008
Arthropoda	Insecta		Trichoptera	Leptoceridae	216	8	Róldan-Pérez, 2003	SHR, PRD	Cummins et al, 2005	CRA	Tomanova, 2008
Arthropoda	Insecta		Trichoptera	Odontoceridae	157	10	Junqueira et al, 1998	SCR	Cummins et al, 2005	CRA	Tomanova, 2008
Arthropoda	Insecta		Trichoptera	Philopotamidae	28	9	Róldan-Pérez, 2003	C-F	Cummins et al, 2005	CRA, TAT	Tomanova, 2008
Arthropoda	Insecta		Trichoptera	Polycentropodidae	39	9	Róldan-Pérez, 2003	C-F	Cummins et al, 2005	CRA, TAT	Tomanova, 2008
Arthropoda	Insecta		Lepidoptera	Pyalidae	28	5	Róldan-Pérez, 2003	SHR, SCR	Cummins et al, 2005	CRA, TAT	Tomanova, 2008
Arthropoda	Insecta		Coleoptera	Curculionidae	1	4	Alba-Tercedor, 1996	SHR	Merrit et al, 2008	CRA	Merrit et al, 2008
Arthropoda	Insecta		Coleoptera	Dryopidae	9	5	Alba-Tercedor, 1996	SCR, SHR	Cummins et al, 2005	CRA, BUR	Merrit et al, 2008
Arthropoda	Insecta		Coleoptera	Dytiscidae	54	4	Junqueira et al, 1998	PRD	Cummins et al, 2005	CRA, SWI	Merrit et al, 2008
Arthropoda	Insecta		Coleoptera	Elmidae	2643	5	Junqueira et al, 1998	C-G, SCR	Cummins et al, 2005	CRA	Tomanova, 2008
Arthropoda	Insecta		Coleoptera	Gyrinidae	26	5	Junqueira et al, 1998	PRD	Cummins et al, 2005	CRA, SWI	Merrit et al, 2008
Arthropoda	Insecta		Coleoptera	Hydrophilidae	153	5	Junqueira et al, 1998	PRD	Cummins et al, 2005	CRA	Tomanova, 2008
Arthropoda	Insecta		Coleoptera	Lutrochidae	11	6	Róldan-Pérez, 2003	SHR	Merrit et al, 2008	CRA	Merrit et al, 2008
Arthropoda	Insecta		Coleoptera	Noteridae	1	4	Róldan-Pérez, 2003	PRD	Cummins et al, 2005	BUR, SWI	Merrit et al, 2008
Arthropoda	Insecta		Coleoptera	Psephenidae	109	8	Junqueira et al, 1998	SCR	Cummins et al, 2005	CRA	Tomanova, 2008
Arthropoda	Insecta		Coleoptera	Ptilodactylidae	2	10	Róldan-Pérez, 2003	SHR	Merrit et al, 2008	BUR, CRA	Merrit et al, 2008
Arthropoda	Insecta		Coleoptera	Scirtidae	11	7	Róldan-Pérez, 2003	SCR, C-G	Merrit et al, 2008	CRA	Merrit et al, 2008
Arthropoda	Insecta		Coleoptera	Staphylinidae	2	6	Róldan-Pérez, 2003	PRD	Cummins et al, 2005	BUR, CRA	Merrit et al, 2008
Arthropoda	Insecta		Megaloptera	Corydalidae	37	6	Róldan-Pérez, 2003	PRD	Cummins et al, 2005	CRA	Tomanova, 2008

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						Score	Reference	Classification	Reference	Classification	Reference
Arthropoda	Insecta		Megaloptera	Sialidae	12	6	Róldan-Pérez, 2003	PRD	Cummins et al, 2005	CRA	Tomanova, 2008
Arthropoda	Insecta		Diptera	Ceratopogonidae	154	4	Junqueira et al, 1998	PRD	Cummins et al, 2005	CRA, BUR	Tomanova, 2008
Arthropoda	Insecta		Diptera	Chironomidae	9176	2	Junqueira et al, 1998	C-G	Cummins et al, 2005	CRA, BUR	Tomanova, 2008
Arthropoda	Insecta		Diptera	Dixidae	4	6	Junqueira et al, 1998	C-F	Cummins et al, 2005	SWI, CRA	Merritt et al, 2008
Arthropoda	Insecta		Diptera	Dolichopodidae	14	4	Róldan-Pérez, 2003	PRD	Cummins et al, 2005	BUR	Merritt et al, 2008
Arthropoda	Insecta		Diptera	Empididae	182	4	Róldan-Pérez, 2003	PRD	Cummins et al, 2005	CRA, BUR	Tomanova, 2008
Arthropoda	Insecta		Diptera	Muscidae	4	2	Róldan-Pérez, 2003	PRD	Merritt et al, 2008	CRA	Merritt et al, 2008
Arthropoda	Insecta		Diptera	Phoridae	1	-	-	C-G	Merritt et al, 2008	BUR	Merritt et al, 2008
Arthropoda	Insecta		Diptera	Psychodidae	2	2	Junqueira et al, 1998	C-G	Cummins et al, 2005	BUR	Merritt et al, 2008
Arthropoda	Insecta		Diptera	Simuliidae	2412	5	Junqueira et al, 1998	C-F	Cummins et al, 2005	CRA, TAT	Tomanova, 2008
Arthropoda	Insecta		Diptera	Stratiomyidae	2	4	Róldan-Pérez, 2003	C-G	Cummins et al, 2005	BUR, CRA	Tomanova, 2008
Arthropoda	Insecta		Diptera	Syrphidae	2	2	Junqueira et al, 1998	C-F	Cummins et al, 2005	BUR	Merritt et al, 2008
Arthropoda	Insecta		Diptera	Tabanidae	26	5	Róldan-Pérez, 2003	PRD	Cummins et al, 2005	BUR, CRA	Merritt et al, 2008
Arthropoda	Insecta		Diptera	Tipulidae	321	5	Junqueira et al, 1998	C-G, SHR	Merritt et al, 2008	BUR	Tomanova, 2008
Arthropoda	Entognatha	Collembola			2	5*	Lunde & Resh, 2012	C-G	Lunde & Resh, 2012	SKT	Merritt et al, 2008
Arthropoda	Arachnida	Acari	Actnedida	Hydracarina	28	4	Alba-Tercedor, 1996	PRD	Cummins et al, 2005	CRA	Tomanova, 2008
Arthropoda	Ostracoda				3	3	Alba-Tercedor, 1996	C-G	Lunde & Resh, 2012	-	-
Mollusca	Bivalvia				106	3*	Lunde & Resh, 2012	C-F	Lunde & Resh, 2012	BUR	Tachet et al, 2000
Annelida	Clitellata	Hirudinea			21	3	Alba-Tercedor, 1996	PRD	Cummins et al, 2005	CRA	Tomanova, 2008
Annelida	Clitellata	Oligochaeta			823	1	Alba-Tercedor, 1996	C-G	Cummins et al, 2005	BUR	Tomanova, 2008
Platyhelminthes	Turbellaria		Tricladida	Planariidae	24	5	Alba-Tercedor, 1996	PRD	Cummins et al, 2005	BUR	Tomanova, 2008
Nematoda					7	5*	Lunde & Resh, 2012	PRD	Lunde & Resh, 2012	CRA, TAT	Tachet et al, 2000

C-F: Collector-filterer; C-G: Collector-gatherer; PRD: Predator; SCR: Scraper; SHR: Shredder; BUR: Burrower; CRA: Crawler; SKT: Skater; SWI: Swimmer; TAT: Temporarily attached; \* HBI score converted to BMWP score

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