

Appendix 2–1. Relative abundance of taxa occurring at a minimum of 30 percent of the sampling sites within each ecoregion included in this investigation within the conterminous western United States and Alaska, 1992–2000.

[MT, Mountain Ecoregion; MT-NROCK, Mountain Northern Rockies Ecoregion; MT-PNW, Mountain Pacific Northwest Ecoregion; MT-SROCK, Mountain Southern Rockies Ecoregion; MT-SWEST, Southwestern Mountains Ecoregion; OH, Ozark Highlands Ecoregion; PL, Plains Ecoregion; PL-NCULT, Cultivated Northern Plains Ecoregion; PL-RANGE, Rangeland Plains Ecoregion; XE, Xeric Ecoregion; XE-CALIF, Xeric California Ecoregion; XE-EPLAT, Eastern Xeric Plateau Ecoregion; XE-NORTH, Northern Xeric Basins Ecoregion; XE-SOUTH, Southern Xeric Basins Ecoregion; —, indicates not available]

Large ecoregion (number of sites)	Intermediate ecoregion (number of sites)	Class	Order	Family	Genus	Sites (number)	Sites (percentage)	Range in relative abundance
MT (n=100)	MT-NROCK (n=32)	Insecta	Coleoptera	Elmidae	<i>Optioservus</i>	17	53	0–13.98
				Elmidae	<i>Zaitzevia</i>	15	47	0–7.90
		Insecta	Diptera	Chironomidae	<i>Polypedilum</i>	12	38	0–6.84
				Chironomidae	<i>Microspectra</i>	17	53	0–13.19
				Chironomidae	<i>Stempellinella</i>	12	38	0–4.44
				Chironomidae	<i>Pagastia</i>	14	44	0–10.34
				Chironomidae	<i>Cricotopus</i>	14	44	0–5.28
				Chironomidae	<i>Eukiefferiella</i>	27	84	0–16.55
				Chironomidae	<i>Rheocricotopus</i>	12	38	0–4.08
				Chironomidae	<i>Tvetenia</i>	24	75	0–8.60
				Chironomidae	—	15	47	0–1.11
				Simuliidae	<i>Simulium</i>	20	63	0–52.94
				Tipulidae	<i>Antocha</i>	14	44	0–4.49
				Tipulidae	<i>Hexatoma</i>	14	44	0–1.08
				Athericidae	<i>Atherix</i>	12	38	0–2.57
		Oligochaeta	Enchytraeida	Enchytraeidae	—	11	34	0–6.33
		Insecta	Ephemeroptera	Ephemerellidae	<i>Drunella</i>	23	72	0–27.17
				Ephemerellidae	<i>Ephemerella</i>	12	38	0–4.88
				Ameletidae	<i>Ameletus</i>	10	31	0–16.20
				Baetidae	<i>Acentrella</i>	19	59	0–12.21
				Baetidae	<i>Baetis</i>	32	100	0.97–53.85
				Heptageniidae	<i>Epeorus</i>	16	50	0–29.39
				Heptageniidae	<i>Rhithrogena</i>	25	78	0–18.93
		Oligochaeta	—	Enchytraeida	—	11	34	0–6.33
		Insecta	Plecoptera	Nemouridae	<i>Zapada</i>	17	53	0–8.64
				Chloroperlidae	<i>Sweltsa</i>	19	59	0–8.30
				Perlidae	<i>Claassenia</i>	10	31	0–0.93
				Perlodidae	<i>Skwala</i>	10	31	0–2.36
		Insecta	Trichoptera	Hydropsychidae	<i>Arctopsyche</i>	21	66	0–26.58
				Hydropsychidae	<i>Ceratopsyche</i>	19	59	0–30.07
				Hydropsychidae	<i>Hydropsyche</i>	10	31	0–42.17
				Apataniidae	<i>Apatania</i>	14	44	0–11.02
				Brachycentridae	<i>Brachycentrus</i>	20	63	0–8.23
				Lepidostomatidae	<i>Lepidostoma</i>	10	31	0–45.13
				Glossosomatidae	<i>Glossosoma</i>	18	56	0–24.82
				Rhyacophilidae	<i>Rhyacophila</i>	21	66	0–4.95
	MT-PNW (n=47)	Insecta	Diptera	Chironomidae	<i>Saetheria</i>	16	34	0–24.56
				Chironomidae	<i>Paratanytarsus</i>	26	55	0–19.56
				Chironomidae	<i>Pseudodiamesa</i>	26	55	0–29.36
				Chironomidae	<i>Chaetocladius</i>	24	51	0–24.74
				Chironomidae	<i>Heterotrissocladius</i>	33	70	0–79.23
				Chironomidae	<i>Boreochlus</i>	24	51	0–46.90
				Chironomidae	<i>Conchapelopia</i>	17	36	0–2.84

Appendix 2–1. Relative abundance of taxa occurring at a minimum of 30 percent of the sampling sites within each ecoregion included in this investigation within the conterminous western United States and Alaska, 1992–2000.—Continued

[MT, Mountain Ecoregion; MT-NROCK, Mountain Northern Rockies Ecoregion; MT-PNW, Mountain Pacific Northwest Ecoregion; MT-SROCK, Mountain Southern Rockies Ecoregion; MT-SWEST, Southwestern Mountains Ecoregion; OH, Ozark Highlands Ecoregion; PL, Plains Ecoregion; PL-NCULT, Cultivated Northern Plains Ecoregion; PL-RANGE, Rangeland Plains Ecoregion; XE, Xeric Ecoregion; XE-CALIF, Xeric California Ecoregion; XE-EPLAT, Eastern Xeric Plateau Ecoregion; XE-NORTH, Northern Xeric Basins Ecoregion; XE-SOUTH, Southern Xeric Basins Ecoregion; —, indicates not available]

Large ecoregion (number of sites)	Intermediate ecoregion (number of sites)	Class	Order	Family	Genus	Sites (number)	Sites (percentage)	Range in relative abundance
				Tipulidae	—	20	43	0–77.33
				Tipulidae	<i>Hexatoma</i>	18	38	0–5.60
				Empididae	<i>Neoplasta</i>	22	47	0–1.99
	Insecta	Ephemeroptera	Ephemerellidae	<i>Euryophella</i>		26	55	0–16.93
			Baetidae	<i>Callibaetis</i>		33	70	0–53.50
			Heptageniidae	<i>Epeorus</i>		15	32	0–17.80
			Heptageniidae	<i>Ironodes</i>		21	45	0–31.47
	Insecta	Lepidoptera	Noctuidae	<i>Simyra</i>		17	36	0–5.71
	Oligochaeta	Lumbriculida	Lumbriculidae	—		21	45	0–5.07
	Insecta	Plecoptera	Capniidae	<i>Eucapnopsis</i>		16	34	0–15.50
			Taeniopterygidae	<i>Taenionema</i>		24	51	0–9.99
			Chloroperlidae	<i>Alloperla</i>		16	34	0–5.75
			Peltoperlidae	—		15	32	0–6.40
	Insecta	Trichoptera	Glossosomatidae	<i>Protoptila</i>		29	62	0–31.64
	Oligochaeta	Tubificida	Naididae	<i>Dero</i>		19	40	0–18.02
			Tubificidae	—		25	53	0–66.54
	Nematomorpha ¹	—	—	—		22	47	0–16.69
	Hirudinea	—	—	—		16	34	0–15.31
MT-SROCK (n=15)	Insecta	Coleoptera	Elmidae	<i>Heterlimnius</i>		7	47	0–14.72
			Elmidae	<i>Optioservus</i>		7	47	0–9.84
	Insecta	Diptera	Chironomidae	<i>Polypedilum</i>		9	60	0–8.50
			Chironomidae	<i>Microspectra</i>		10	67	0–25.67
			Chironomidae	<i>Rheotanytarsus</i>		5	33	0–3.13
			Chironomidae	<i>Pagastia</i>		9	60	0–12.17
			Chironomidae	<i>Cardiocladius</i>		6	40	0–6.38
			Chironomidae	<i>Cricotopus</i>		8	53	0–39.25
			Chironomidae	<i>Eukiefferiella</i>		10	67	0–14.38
			Chironomidae	<i>Parametriocnemus</i>		6	40	0–11.41
			Chironomidae	<i>Rheocricotopus</i>		10	67	0–44.87
			Chironomidae	<i>Thienemanniella</i>		5	33	0–4.42
			Chironomidae	<i>Tvetenia</i>		11	73	0–10.60
			Chironomidae	—		6	40	0–2.24
			Simuliidae	<i>Simulium</i>		11	73	0–27.65
			Tipulidae	<i>Hexatoma</i>		6	40	0–0.31
			Athericidae	<i>Atherix</i>		6	40	0–0.82
			Empididae	<i>Clinocera</i>		5	33	0–3.73
			Empididae	<i>Hemerodromiinae</i>		6	40	0–2.37
	Insecta	Ephemeroptera	Ephemerellidae	<i>Drunella</i>		9	60	0–12.86
			Ephemerellidae	<i>Ephemerella</i>		5	33	0–2.50
			Baetidae	<i>Acentrella</i>		8	53	0–19.89
			Baetidae	<i>Baetis</i>		14	93	0–26.47
			Heptageniidae	<i>Epeorus</i>		9	60	0–22.50
			Heptageniidae	<i>Rhithrogena</i>		8	53	0–5.53

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Large ecoregion (number of sites)	Intermediate ecoregion (number of sites)	Class	Order	Family	Genus	Sites (number)	Sites (percentage)	Range in relative abundance
MT-SWEST (n=6)		Insecta	Plecoptera	Perlidae	<i>Claassenia</i>	6	40	0–3.71
				Perlodidae	—	6	40	0–2.99
				Pteronarcidae	<i>Pteronarcella</i>	7	47	0–0.86
		Insecta	Trichoptera	Hydropsychidae	<i>Arctopsyche</i>	9	60	0–8.16
				Hydropsychidae	<i>Ceratopsyche</i>	5	33	0–9.52
				Brachycentridae	<i>Brachycentrus</i>	10	67	0–18.88
				Glossosomatidae	<i>Glossosoma</i>	5	33	0–27.50
				Rhyacophilidae	<i>Rhyacophila</i>	8	53	0–7.86
		Oligochaeta	Tubificida	Naididae	—	7	47	0–15.87
				Turbellaria	—	7	47	0–6.83
		Gastropoda	Basommatophora	Physidae	—	2	33	0–0.60
		Insecta	Coleoptera	Dryopidae	<i>Helichus</i>	2	33	0–0.02
				Dryopidae	<i>Postelichus</i>	3	50	0–0.01
				Elmidae	<i>Microcylloepus</i>	4	67	0–6.38
				Psephenidae	<i>Psephenus</i>	4	67	0–7.96
		Insecta	Diptera	Ceratopogonidae	—	2	33	0–0.27
				Chironomidae	<i>Polypedilum</i>	2	33	0–0.96
				Chironomidae	<i>Pseudochironomus</i>	2	33	0–0.67
				Chironomidae	<i>Rheotanytarsus</i>	5	83	0–22.06
				Chironomidae	<i>Pagastia</i>	2	33	0–0.61
				Chironomidae	<i>Cardiocladius</i>	3	50	0–13.37
				Chironomidae	<i>Eukiefferiella</i>	5	83	0–7.62
				Psychodidae	<i>Maruina</i>	2	33	0–0.33
				Simuliidae	—	2	33	0–1.33
				Simuliidae	<i>Simulium</i>	4	67	0–12.50
				Empididae	<i>Hemerodromia</i>	4	67	0–0.67
				Tabanidae	<i>Tabanus</i>	4	67	0–0.39
		Insecta	Ephemeroptera	Ephemerellidae	<i>Drunella</i>	2	33	0–24.09
				Leptohyphidae	—	2	33	0–21.33
				Leptophlebiidae	<i>Traverella</i>	2	33	0–0.29
				Baetidae	<i>Acentrella</i>	3	50	0–11.75
				Baetidae	<i>Baetis</i>	5	83	0–20.19
				Baetidae	<i>Baetodes</i>	3	50	0–32.59
				Heptageniidae	<i>Epeorus</i>	2	33	0–5.08
				Heptageniidae	<i>Rhithrogena</i>	2	33	0–0.24
		Insecta	Hemiptera	Naucoridae	<i>Ambrysus</i>	3	50	0–1.09
		Insecta	Lepidoptera	Pyrilidae	<i>Petrophila</i>	4	67	0–9.68
		Insecta	Megaloptera	Corydalidae	<i>Corydalus</i>	4	67	0–0.35
		Insecta	Odonata	Coenagrionidae	<i>Argia</i>	2	33	0–1.10
	Insecta	Plecoptera	Perlidae	<i>Calineuria</i>	2	33	0–0.06	
			Perlidae	<i>Hesperoperla</i>	2	33	0–0.31	
	Insecta	Trichoptera	Hydropsychidae	<i>Cheumatopsyche</i>	2	33	0–0–31.94	
			Hydropsychidae	<i>Hydropsyche</i>	6	100	1.38–26.42	

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Large ecoregion (number of sites)	Intermediate ecoregion (number of sites)	Class	Order	Family	Genus	Sites (number)	Sites (percentage)	Range in relative abundance
				Hydropsychidae	<i>Smicridea</i>	4	67	0–21.63
				Philopotamidae	<i>Chimarra</i>	3	50	0–2.82
				Philopotamidae	<i>Dolophilodes</i>	2	33	0–0.02
				Brachycentridae	<i>Micrasema</i>	2	33	0–3.61
				Helicopsychidae	<i>Helicopsyche</i>	2	33	0–1.95
				Glossosomatidae	<i>Culoptila</i>	2	33	0–0.48
				Hydroptilidae	<i>Hydroptila</i>	4	67	0–4.87
				Hydroptilidae	<i>Ochrotrichia</i>	2	33	0–0.41
		Bivalvia	Veneroida	Corbiculidae	<i>Corbicula</i>	3	50	0–0.10
		Oligochaeta	—	—	—	3	50	0–1.81
OH (n=15)	OH	Insecta	Coleoptera	Elmidae	<i>Optioservus</i>	11	73	0–23.24
				Elmidae	<i>Stenelmis</i>	15	100	0.42–13.63
				Psephenidae	<i>Ectopria</i>	5	33	0–0.47
				Psephenidae	<i>Psephenus</i>	12	80	0–5.44
		Malacostraca	Decapoda	Cambaridae	<i>Orconectes</i>	8	53	0–0.54
		Insecta	Diptera	Chironomidae	<i>Microtendipes</i>	5	33	0–0.70
				Chironomidae	<i>Polypedilum</i>	12	80	0–14.16
				Chironomidae	<i>Rheotanytarsus</i>	12	80	0–11.33
				Chironomidae	<i>Stempellinella</i>	6	40	0–2.21
				Chironomidae	<i>Tanytarsus</i>	7	47	0–2.65
				Chironomidae	<i>Cardiocladius</i>	5	33	0–16.19
				Chironomidae	<i>Cricotopus</i>	11	73	0–9.54
				Chironomidae	<i>Thienemanniella</i>	8	53	0–3.87
				Chironomidae	—	7	47	0–1.94
				Chironomidae	<i>Pentaneura</i>	5	33	0–3.58
				Simuliidae	—	7	47	0–3.04
				Simuliidae	<i>Simulium</i>	5	33	0–6.38
				Athericidae	<i>Atherix</i>	5	33	0–0.75
				Empididae	<i>Hemerodromia</i>	9	60	0–1.49
				Tabanidae	<i>Tabanus</i>	11	73	0–0.28
		Insecta	Ephemeroptera	Caenidae	<i>Caenis</i>	13	87	0–24.15
				Ephemerellidae	—	6	40	0–0.67
				Leptohyphidae	<i>Tricorythodes</i>	13	87	0–61.57
				Baetidae	<i>Acentrella</i>	6	40	0–8.65
				Baetidae	<i>Baetis</i>	14	93	0–11.29
				Baetidae	<i>Plauditus</i>	10	67	0–13.45
				Heptageniidae	<i>Leucrocuta</i>	6	40	0–11.06
				Heptageniidae	<i>Maccaffertium</i>	13	87	0–26.86
				Heptageniidae	<i>Stenacron</i>	7	47	0–14.51
				Isonychiidae	<i>Isonychia</i>	14	93	0–28.57
		Enopla	Hoplonemertea	Tetrastemmatidae	<i>Prostoma</i>	5	33	0–0.75
		Insecta	Megaloptera	Coryalidae	<i>Corydalus</i>	14	93	0–1.47
		Gastropoda	Mesogastropoda	Pleuroceridae	<i>Elimia</i>	9	60	0–22.69

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Large ecoregion (number of sites)	Intermediate ecoregion (number of sites)	Class	Order	Family	Genus	Sites (number)	Sites (percentage)	Range in relative abundance
PL (n=20)	PL-NCULT (n=10)	Insecta	Odonata	Gomphidae	—	5	33	0–1.63
				Coenagrionidae	<i>Argia</i>	6	40	0–1.56
		Insecta	Plecoptera	Leuctridae	<i>Leuctra</i>	10	67	0–4.88
		Insecta	Trichoptera	Hydropsychidae	<i>Ceratopsyche</i>	12	80	0–15.52
				Hydropsychidae	<i>Cheumatopsyche</i>	14	93	0–17.04
				Philopotamidae	<i>Chimarra</i>	11	73	0–6.17
				Psychomyiidae	<i>Psychomyia</i>	5	33	0–0.68
				Helicopsychidae	<i>Helicopsyche</i>	9	60	0–9.25
				Leptoceridae	<i>Oecetis</i>	6	40	0–1.52
				Leptoceridae	<i>Setodes</i>	7	47	0–1.00
				Hydroptilidae	<i>Hydroptila</i>	5	33	0–2.40
		Oligochaeta	—	—	—	9	60	0–0.87
		Malacostraca	Amphipoda	Hyalellidae	<i>Hyalella</i>	3	30	0–1.72
		Insecta	Diptera	Chironomidae	<i>Chironomus</i>	3	30	0–0.97
				Chironomidae	<i>Cryptochironomus</i>	5	50	0–6.07
				Chironomidae	<i>Dicrotendipes</i>	4	40	0–12.14
				Chironomidae	<i>Polypedilum</i>	8	80	0–9.66
				Chironomidae	<i>Saetheria</i>	3	30	0–9.40
				Chironomidae	<i>Rheotanytarsus</i>	3	30	0–69.95
				Chironomidae	<i>Tanytarsus</i>	3	30	0–6.07
				Chironomidae	<i>Cricotopus</i>	9	90	0–26.42
				Chironomidae	<i>Eukiefferiella</i>	3	30	0–1.90
				Chironomidae	<i>Parakiefferiella</i>	5	50	0–4.56
				Chironomidae	<i>Thienemanniella</i>	7	70	0–22.29
				Chironomidae	—	5	50	0–3.49
				Simuliidae	—	4	40	0–9.47
				Simuliidae	<i>Simulium</i>	3	30	0–26.55
		Empididae	<i>Hemerodromia</i>	4	40	0–1.72		
		Oligochaeta	Enchytraeida	Enchytraeidae	—	5	50	0–43.28
		Insecta	Ephemeroptera	Leptohyphidae	<i>Tricorythodes</i>	9	90	0–25.38
				Baetidae	<i>Acentrella</i>	4	40	0–46.98
				Baetidae	<i>Baetis</i>	4	40	0–7.42
				Baetidae	<i>Fallceon</i>	4	40	0–12.78
		Insecta	Hemiptera	Corixidae	—	3	30	0–13.79
		Insecta	Trichoptera	Hydropsychidae	<i>Cheumatopsyche</i>	3	30	0–9.09
				Hydropsychidae	<i>Hydropsyche</i>	3	30	0–12.88
				Hydroptilidae	<i>Hydroptila</i>	5	50	0–5.76
				Tubificina	Naididae	9	90	0–33.00
				Tubificida	Tubificidae	9	90	0–27.99
		Turbellaria	—	—	—	3	30	0–1.81
	PL-RANGE (n=10)	Malacostraca	Amphipoda	Hyalellidae	<i>Hyalella</i>	4	40	0–22.33
	Insecta	Coleoptera	Elmidae	<i>Stenelmis</i>	4	40	0–2.68	
	Insecta	Diptera	Chironomidae	<i>Chironomus</i>	3	30	0–6.10	

Appendix 2–1. Relative abundance of taxa occurring at a minimum of 30 percent of the sampling sites within each ecoregion included in this investigation within the conterminous western United States and Alaska, 1992–2000.—Continued

[MT, Mountain Ecoregion; MT-NROCK, Mountain Northern Rockies Ecoregion; MT-PNW, Mountain Pacific Northwest Ecoregion; MT-SROCK, Mountain Southern Rockies Ecoregion; MT-SWEST, Southwestern Mountains Ecoregion; OH, Ozark Highlands Ecoregion; PL, Plains Ecoregion; PL-NCULT, Cultivated Northern Plains Ecoregion; PL-RANGE, Rangeland Plains Ecoregion; XE, Xeric Ecoregion; XE-CALIF, Xeric California Ecoregion; XE-EPLAT, Eastern Xeric Plateau Ecoregion; XE-NORTH, Northern Xeric Basins Ecoregion; XE-SOUTH, Southern Xeric Basins Ecoregion; —, indicates not available]

Large ecoregion (number of sites)	Intermediate ecoregion (number of sites)	Class	Order	Family	Genus	Sites (number)	Sites (percentage)	Range in relative abundance
				Chironomidae	<i>Dicrotendipes</i>	4	40	0–5.07
				Chironomidae	<i>Polypedilum</i>	9	90	0–23.41
				Chironomidae	<i>Cladotanytarsus</i>	3	30	0–3.86
				Chironomidae	<i>Rheotanytarsus</i>	6	60	0–45.18
				Chironomidae	<i>Tanytarsus</i>	4	40	0–6.12
				Chironomidae	<i>Cricotopus</i>	3	30	0–17.45
				Chironomidae	<i>Rheocricotopus</i>	3	30	0–5.67
				Chironomidae	<i>Thienemanniella</i>	5	50	0–5.11
				Chironomidae	—	3	30	0–1.39
				Chironomidae	<i>Ablabesmyia</i>	3	30	0–6.29
				Simuliidae	—	3	30	0–18.85
				Simuliidae	<i>Simulium</i>	6	60	0–54.68
				Empididae	<i>Hemerodromia</i>	9	90	0–4.69
	Insecta	Ephemeroptera	Caenidae	<i>Caenis</i>		7	70	0–9.45
			Leptohyphidae	<i>Tricorythodes</i>		8	80	0–18.72
			Baetidae	<i>Acentrella</i>		3	30	0–5.83
			Baetidae	<i>Baetis</i>		4	40	0–6.14
			Baetidae	<i>Fallceon</i>		6	60	0–11.91
			Heptageniidae	<i>Heptagenia</i>		7	70	0–2.65
			Isonychiidae	<i>Isonychia</i>		4	40	0–1.33
	Insecta	Trichoptera	Hydropsychidae	<i>Cheumatopsyche</i>		4	40	0–25.63
			Hydropsychidae	<i>Hydropsyche</i>		9	90	0–28.60
			Leptoceridae	<i>Nectopsyche</i>		4	40	0–0.66
	Oligochaeta	Tubificida	Naididae	—		8	80	0–4.90
			Tubificidae	—		3	30	0–1.39
XE (n=xx)	XE-CALIF (n=18)	Gastropoda	Basommatophora	Physidae	<i>Physa</i>	6	33	0–12.43
		Insecta	Diptera	Chironomidae	<i>Dicrotendipes</i>	14	78	0–21.60
				Chironomidae	<i>Polypedilum</i>	9	50	0–5.46
				Chironomidae	<i>Rheotanytarsus</i>	11	61	0–44.14
				Chironomidae	<i>Tanytarsus</i>	7	39	0–37.09
				Chironomidae	<i>Circotopus</i>	14	78	0–26.00
				Chironomidae	<i>Nanocladius</i>	7	39	0–2.23
				Chironomidae	<i>Thienemanniella</i>	7	39	0–11.98
				Chironomidae	<i>Ablabesmyia</i>	7	39	0–12.76
				Simuliidae	—	7	39	0–1.19
				Simuliidae	<i>Simulium</i>	7	39	0–8.44
				Empididae	<i>Hemerodromia</i>	7	39	0–5.55
	Insecta	Ephemeroptera	Leptohyphidae	—		9	50	0–14.70
			Baetidae	<i>Baetis</i>		6	33	0–9.10
			Baetidae	<i>Fallceon</i>		8	44	0–11.60
	Insecta	Trichoptera	Hydropsychidae	<i>Hydropsyche</i>		15	83	0–79.12
			Hydroptilidae	<i>Hydroptila</i>		13	72	0–15.01

Appendix 2–1. Relative abundance of taxa occurring at a minimum of 30 percent of the sampling sites within each ecoregion included in this investigation within the conterminous western United States and Alaska, 1992–2000.—Continued

[MT, Mountain Ecoregion; MT-NROCK, Mountain Northern Rockies Ecoregion; MT-PNW, Mountain Pacific Northwest Ecoregion; MT-SROCK, Mountain Southern Rockies Ecoregion; MT-SWEST, Southwestern Mountains Ecoregion; OH, Ozark Highlands Ecoregion; PL, Plains Ecoregion; PL-NCULT, Cultivated Northern Plains Ecoregion; PL-RANGE, Rangeland Plains Ecoregion; XE, Xeric Ecoregion; XE-CALIF, Xeric California Ecoregion; XE-EPLAT, Eastern Xeric Plateau Ecoregion; XE-NORTH, Northern Xeric Basins Ecoregion; XE-SOUTH, Southern Xeric Basins Ecoregion; —, indicates not available]

Large ecoregion (number of sites)	Intermediate ecoregion (number of sites)	Class	Order	Family	Genus	Sites (number)	Sites (percentage)	Range in relative abundance
		Oligochaeta	Tubificida	Naididae	—	15	83	0–43.55
			Tubificida	Tubificidae	—	7	39	0–1.13
	XE-EPLAT (n=17)	Insecta	Coleoptera	Elmidae	<i>Optioservus</i>	7	41	0–4.73
		Insecta	Diptera	Chironomidae	<i>Polypedilum</i>	12	71	0–7.43
				Chironomidae	<i>Cladotanytarsus</i>	7	41	0–6.92
				Chironomidae	<i>Rheotanytarsus</i>	10	59	0–26.66
				Chironomidae	<i>Cricotopus</i>	12	71	0–22.20
				Chironomidae	<i>Eukiefferiella</i>	11	65	0–27.93
				Chironomidae	<i>Tvetenia</i>	15	88	0–26.08
				Simuliidae	<i>Simulium</i>	12	71	0–28.06
		Oligochaeta	Enchytraeida	Enchytraeidae	—	7	41	0–2.27
		Insecta	Ephemeroptera	Baetidae	<i>Acentrella</i>	8	47	0–51.82
				Baetidae	<i>Baetis</i>	12	71	0–67.09
				Heptageniidae	<i>Rhithrogena</i>	6	35	0–9.29
				Leptohyphidae	—	5	29	0–14.39
		Insecta	Trichoptera	Hydropsychidae	<i>Ceratopsyche</i>	10	59	0–45.52
				Hydropsychidae	<i>Hydropsyche</i>	11	65	0–64.51
				Brachycentridae	<i>Brachycentrus</i>	6	35	0–53.30
				Hydroptilidae	<i>Hydroptila</i>	6	35	0–22.49
		Oligochaeta	Tubificida	Naididae	—	12	71	0–62.64
				Tubificidae	—	6	35	0–7.80
	XE-NORTH (n=22)		Arhynchobdellida	Erpobdellidae	—	7	32	0–0.54
		Insecta	Coleoptera	Elmidae	<i>Microcylloepus</i>	10	45	0–7.88
				Elmidae	<i>Optioservus</i>	19	86	0–17.07
				Elmidae	<i>Zaitzevia</i>	8	36	0–0.65
			Decapoda	Astacidae	<i>Pacifastacus</i>	7	32	0–0.02
		Insecta	Diptera	Chironomidae	<i>Polypedilum</i>	18	82	0–8.62
				Chironomidae	<i>Microspectra</i>	9	41	0–18.38
				Chironomidae	<i>Rheotanytarsus</i>	17	77	0–5.63
				Chironomidae	<i>Tanytarsus</i>	8	36	0–6.84
				Chironomidae	<i>Cardiocladius</i>	7	32	0–18.66
				Chironomidae	<i>Cricotopus</i>	19	86	0–18.82
				Chironomidae	<i>Eukiefferiella</i>	17	77	0–7.50
				Chironomidae	<i>Thienemanniella</i>	11	50	0–3.63
				Chironomidae	—	10	45	0–4.86
				Simuliidae	<i>Simulium</i>	16	73	0–37.66
				Empididae	<i>Hemerodromia</i>	13	59	0–1.21
		Insecta	Ephemeroptera	Leptohyphidae	—	16	73	0–27.77
				Baetidae	<i>Acentrella</i>	7	32	0–8.08
				Baetidae	<i>Baetis</i>	21	95	0–54.98
				Baetidae	<i>Fallceon</i>	9	41	0–9.83
		Insecta	Lepidoptera	Pyralidae	<i>Petrophila</i>	11	50	0–8.70

Appendix 2–1. Relative abundance of taxa occurring at a minimum of 30 percent of the sampling sites within each ecoregion included in this investigation within the conterminous western United States and Alaska, 1992–2000.—Continued

[MT, Mountain Ecoregion; MT-NROCK, Mountain Northern Rockies Ecoregion; MT-PNW, Mountain Pacific Northwest Ecoregion; MT-SROCK, Mountain Southern Rockies Ecoregion; MT-SWEST, Southwestern Mountains Ecoregion; OH, Ozark Highlands Ecoregion; PL, Plains Ecoregion; PL-NCULT, Cultivated Northern Plains Ecoregion; PL-RANGE, Rangeland Plains Ecoregion; XE, Xeric Ecoregion; XE-CALIF, Xeric California Ecoregion; XE-EPLAT, Eastern Xeric Plateau Ecoregion; XE-NORTH, Northern Xeric Basins Ecoregion; XE-SOUTH, Southern Xeric Basins Ecoregion; —, indicates not available]

Large ecoregion (number of sites)	Intermediate ecoregion (number of sites)	Class	Order	Family	Genus	Sites (number)	Sites (percentage)	Range in relative abundance
		Insecta	Odonata	Coenagrionidae	<i>Argia</i>	11	50	0–0.71
		Insecta	Trichoptera	Hydropsychidae	<i>Ceratopsyche</i>	7	32	0–3.32
				Hydropsychidae	<i>Cheumatopsyche</i>	13	59	0–25.88
				Hydropsychidae	<i>Hydropsyche</i>	18	82	0–23.57
				Brachycentridae	<i>Brachycentrus</i>	8	36	0–25.48
				Helicopsychidae	<i>Helicopsyche</i>	11	50	0–7.37
				Hydroptilidae	<i>Hydroptila</i>	9	41	0–19.93
		Oligochaeta	Tubificina	Naididae	—	10	45	0–2.32
				Tubificidae	—	15	68	0–54.97
		Turbellaria	—	—	—	7	32	0–7.98
XE-SOUTH (n=9)	Insecta	Coleoptera	Elmidae	<i>Microcylloepus</i>		3	33	0–13.22
				<i>Optioservus</i>		3	33	0–2.58
				<i>Zaitzevia</i>		3	33	0–4.70
	Insecta	Diptera	Ceratopogonidae	—		3	33	0–0.64
				Chironomidae	<i>Apedilum</i>	3	33	0–3.67
				Chironomidae	<i>Dicrotendipes</i>	3	33	0–1.03
				Chironomidae	<i>Polypedilum</i>	8	89	0–64.52
				Chironomidae	<i>Cladotanytarsus</i>	4	44	0–3.55
				Chironomidae	<i>Rheotanytarsus</i>	4	44	0–7.53
				Chironomidae	<i>Cricotopus</i>	8	89	0–13.01
				Chironomidae	<i>Nanocladius</i>	3	33	0–3.83
				Chironomidae	<i>Parakiefferiella</i>	3	33	0–2.23
				Chironomidae	<i>Thienemanniella</i>	5	56	0–7.99
				Chironomidae	<i>Tvetenia</i>	3	33	0–1.24
				Chironomidae	—	6	67	0–1.74
				Simuliidae	<i>Simulium</i>	5	56	0–19.13
				Tipulidae	<i>Hexatoma</i>	3	33	0–0.20
				Empididae	<i>Hemerodromia</i>	4	44	0–1.20
				Tabanidae	<i>Tabanus</i>	3	33	0–0.82
	Insecta	Ephemeroptera	Leptohyphidae	—		6	67	0–26.43
				Leptophlebiidae	<i>Choroterpes</i>	3	33	0–6.06
				Baetidae	<i>Acentrella</i>	4	44	0–3.65
				Baetidae	<i>Baetis</i>	6	67	0–31.55
	Insecta	Trichoptera	Hydropsychidae	<i>Cheumatopsyche</i>		4	44	0–13.65
				<i>Hydropsyche</i>		9	100	1.40–41.41
			Leptoceridae	<i>Nectopsyche</i>		3	33	0–6.97
			Hydroptilidae	<i>Hydroptila</i>		5	56	0–6.26
	Oligochaeta	Tubificida	Naididae	—		5	56	0–8.25
			Tubificidae	—		4	44	0–6.80

¹ Nematomorpha is a phylum of organisms not a class.