

MACROINVERTEBRATE SURVEY DATA

APPENDIX M

Table M.1
Summary of Macroinvertebrate Data by Site in the Oak Creek Watershed: 1979-2015

Site Identification	Site Latitude	Site Longitude	Survey Date	Data Source	Number of Taxa Identified ^a	Total Number of Individuals
Lower Oak Creek						
10010371	42.907352	-87.84413	10/6/2003	SWIMS	7	173
10010371	42.907352	-87.84413	10/22/2015	SWIMS	19	172
UWP-OC-13	42.91	-87.8475	10/24/2015	UWP	15	416
UWP-OC-02	42.91222222	-87.85361111	10/24/2015	UWP	19	2,159
UWP-OC-03	42.91222222	-87.85194444	10/24/2015	UWP	15	431
431824	42.913113	-87.854355	10/8/1996	SWIMS	8	133
UWP-OC-01	42.915	-87.85638889	10/10/2015	UWP	13	353
413672	42.91531	-87.85753	5/17/1979	SWIMS	8	66
413672	42.91531	-87.85753	11/1/1979	SWIMS	7	125
413672	42.91531	-87.85753	10/8/1996	SWIMS	16	194
413672	42.91531	-87.85753	10/31/2008	SWIMS	18	134
413913	42.924778	-87.87097	10/8/1996	SWIMS	24	182
413913	42.924778	-87.87097	10/19/2012	SWIMS	20	168
413913	42.924778	-87.87097	10/22/2015	SWIMS	32	147
UWP-OC-04	42.92472222	-87.87083333	10/10/2015	UWP	18	1,664
04087204	42.925	-87.87	9/1/2004	BioData	35	337
04087204	42.925	-87.87	9/1/2004	USGS	30	286
04087204	42.925	-87.87	9/14/2007	USGS	36	175
04087204	42.925	-87.87	8/24/2010	USGS	35	305
04087204	42.925	-87.87	8/20/2013	USGS	21	207
10016379	42.91588	-87.87354	11/25/1985	SWIMS	6	133
10016397	42.916237	-87.873856	11/25/1985	SWIMS	5	32
10016263	42.909073	-87.87313	11/25/1985	SWIMS	21	103
10016205	42.908306	-87.87383	11/25/1985	SWIMS	12	116
10009331	42.90526	-87.88252	11/13/2000	SWIMS	30	173
10009331	42.90526	-87.88252	10/30/2002	SWIMS	20	196
10009331	42.90526	-87.88252	10/22/2015	SWIMS	29	186
413068	42.905155	-87.88118	10/8/1996	SWIMS	30	226
413068	42.905155	-87.88118	4/9/2009	SWIMS	27	191
UWP-OC-06	42.91777778	-87.86691472	10/10/2015	UWP	13	423
Middle Oak Creek						
UWP-OC-08	42.90527778	-88.88194444	10/10/2015	UWP	12	357
UWP-OC-07	42.90055556	-87.89305556	10/10/2015	UWP	19	503
413671	42.893375	-87.88951	5/17/1979	SWIMS	12	79
413671	42.893375	-87.88951	11/1/1979	SWIMS	6	24
413671	42.893375	-87.88951	11/25/1985	SWIMS	27	106
413671	42.893375	-87.88951	11/25/1985	SWIMS	13	114
413074	42.886314	-87.88568	11/25/1985	SWIMS	7	118
413074	42.886314	-87.88568	10/8/1996	SWIMS	24	231
413074	42.886314	-87.88568	10/9/1997	SWIMS	18	153
413074	42.886314	-87.88568	10/9/1997	SWIMS	30	247
413074	42.886314	-87.88568	11/5/2015	SWIMS	31	140
UWP-OC-12	42.88138889	-87.89222222	10/11/2015	UWP	18	340
Upper Oak Creek						
10016508	42.877575	-87.91029	11/25/1985	SWIMS	17	121
10016515	42.877586	-87.91016	10/8/1996	SWIMS	22	249
UWP-OC-10	42.87666667	-87.91333333	10/10/2015	UWP	16	327
10015873	42.870995	-87.92407	10/8/1996	SWIMS	11	165
10011237	42.8701	-87.930756	10/22/2015	SWIMS	16	131
413670	42.870247	-87.931366	5/17/1979	SWIMS	8	92
413670	42.870247	-87.931366	11/1/1979	SWIMS	5	116
413670	42.870247	-87.931366	10/7/2004	SWIMS	31	201
UWP-OC-11	42.87027778	-87.9325	10/10/2015	UWP	11	368
10044098	42.87289	-87.96491	10/22/2015	SWIMS	11	160

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Table M.1 (Continued)

Site Identification	Site Latitude	Site Longitude	Survey Date	Data Source	Number of Taxa Identified ^a	Total Number of Individuals
North Branch Oak Creek						
10039495	42.886864	-87.92453	11/5/2015	SWIMS	21	147
413833	42.88743	-87.92426	11/1/1979	SWIMS	9	20
413833	42.88743	-87.92426	10/9/1997	SWIMS	16	145
413833	42.88743	-87.92426	10/9/1997	SWIMS	16	146
10010544	42.8887	-87.92431	5/17/1979	SWIMS	7	86
10010544	42.8887	-87.92431	10/8/1996	SWIMS	17	152
10008115	42.88928	-87.92363	11/13/2000	SWIMS	30	161
UWP-OC-09	42.89944444	-87.92555556	10/11/2015	UWP	14	436
10044177	42.920517	-87.921364	11/5/2015	SWIMS	8	159
10016402	42.901806	-87.941956	10/9/1997	SWIMS	14	159
10016403	42.90181	-87.94196	10/9/1997	SWIMS	16	127
Mitchell Field Drainage Ditch						
10011281	42.907043	-87.892815	11/25/1985	SWIMS	21	122
10011281	42.907043	-87.892815	10/7/2004	SWIMS	34	187
10008241	42.91819	-87.89169	11/16/2001	SWIMS	22	186
10008241	42.91819	-87.89169	10/22/2015	SWIMS	11	138
413835	42.929996	-87.88998	10/8/1996	SWIMS	30	477

Note: Colors indicate surveys that were considered to share common site when calculating the total sites and percent of sites in Table M.2.

^a The Data Source abbreviations are as follows: University of Wisconsin Parkside (UWP), Wisconsin Department of Natural Resources Surface Water Integrated Monitoring System (SWIMS), the US Geological Survey BioData Retrieval system (BioData), and other US Geological Survey information sources (USGS).

Source: University of Wisconsin Parkside, US Geological Survey, Wisconsin Department of Natural Resources, and SEWRPC

Table M.2
Macroinvertebrate Survey Data by Taxa in the Oak Creek Watershed; 1979-2015

Order	Family	Subfamily	Genus	Species	Number of Samples Detected	Percent of Samples Detected	Total Sites	Percent Sites
			Annelida					
Hirudinea ^a								
Arhynchobdellida	Erpobdellidae				6	8.8	6	20.0
Arhynchobdellida	Erpobdellidae		Erpobdella	punctata	3	4.4	3	10.0
Arhynchobdellida	Erpobdellidae		Mooreobdella		2	2.9	1	3.3
Arhynchobdellida	Erpobdellidae		Mooreobdella	microstoma	1	1.5	1	3.3
Haplotaaxida					1	1.5	1	3.3
Haplotaaxida	Enchytraeidae				8	11.8	6	20.0
Haplotaaxida	Lumbricidae				4	5.9	4	13.3
Haplotaaxida	Naididae				2	2.9	2	6.7
Haplotaaxida	Tubificidae				8	11.8	6	20.0
Haplotaaxida	Tubificidae	Tubificinae without hairs			20	29.4	12	40.0
Haplotaaxida	Lumbriculidae				5	7.4	5	16.7
Oligochaeta ^b					2	2.9	2	6.7
Rhynchobdellida	Glossiphoniidae		Helobdella	stagnalis	4	5.9	4	13.3
					6	8.8	6	20.0
			Arachnida					
Acaric ^c					1	1.5	1	3.3
Araneae					3	4.4	3	10.0
Trombidiformes ^d					8	11.8	8	26.7
Trombidiformes	Hygrobatae		Hygrobates		1	1.5	1	3.3
Trombidiformes	Limnesidae		Limnesia		1	1.5	1	3.3
Trombidiformes	Sperchontidae		Sperchonopsis		1	1.5	1.5	3.3
			Crustacea					
Amphipoda					12	17.6	11	36.7
Amphipoda	Crangonuctidae		Crangonyx		7	10.3	6	20.0
Amphipoda	Crangonuctidae		Crangonyx	gracilis	1	1.5	1	3.3
Amphipoda	Crangonuctidae		Crangonyx	pseudogracilis	7	10.3	6	20.0
Amphipoda	Gammaridae		Gammarus	pseudolimmaeus	12	17.6	8	26.7
Amphipoda	Hyalellidae		Hyalella		14	20.6	8	26.7
Copepoda ^e					10	14.7	9	30.0
Decapoda					1	1.5	1	3.3
Decapoda	Cambaridae				1	1.5	1	3.3
Diplostroaca ^f					7	10.3	6	20.0
Isopoda	Asellidae				10	14.7	10	33.3
Isopoda	Asellidae		Caecidotea		2	2.9	2	6.7
Isopoda	Asellidae		Caecidotea	intermedia	9	13.2	5	16.7
Isopoda	Asellidae		Caecidotea		44	64.7	22	73.3

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Table M.2 (Continued)

Order	Family	Subfamily	Genus	Species	Number of Samples Detected	Percent of Samples Detected	Total Sites	Percent Sites
			Hydrozoa		4	5.9	4	13.3
			Insecta					
Coleoptera	Dytiscidae		Ilybius		4	5.9	4	13.3
Coleoptera	Dytiscidae				1	1.5	1	3.3
Coleoptera	Elmidae				7	10.3	7	23.3
Coleoptera	Elmidae		Dubiraphia	minima	15	22.1	11	36.7
Coleoptera	Elmidae		Dubiraphia	quadrinotata	4	5.9	4	13.3
Coleoptera	Elmidae		Dubiraphia	robusta	11	16.2	7	23.3
Coleoptera	Elmidae		Dubiraphia	vittata	1	1.5	1	3.3
Coleoptera	Elmidae		Macronychus		3	4.4	1	3.3
Coleoptera	Elmidae		Optioservus	fastiditus	1	1.5	1	3.3
Coleoptera	Elmidae		Stenelmis		2	2.9	2	6.7
Coleoptera	Elmidae		Stenelmis	crenata	33	48.5	12	40.0
Coleoptera	Elmidae		Stenelmis		20	29.4	12	40.0
Coleoptera	Halplidae				3	4.4	3	10.0
Coleoptera	Hydrochilidae		Hydrochus		1	1.5	1	3.3
Coleoptera	Hydrophilidae				1	1.5	1	3.3
Coleoptera	Limnichidae				2	2.9	2	6.7
Coleoptera	Staphylinidae				1	1.5	1	3.3
Collembola					7	10.3	6	20.0
Diptera					1	1.5	1	3.3
Diptera	Ceratopogonidae		Bezzia/Palpomya		8	11.8	7	23.3
Diptera	Ceratopogonidae				2	2.9	2	6.7
Diptera	Ceratopogonidae		Culicoides		2	2.9	2	6.7
Diptera	Ceratopogonidae		Nilobezzia		2	2.9	2	6.7
Diptera	Ceratopogonidae		Probezzia		2	2.9	2	6.7
Diptera	Chironomidae				24	35.3	19	63.3
Diptera	Chironomidae		Pupa		5	7.4	5	16.7
Diptera	Chironomidae	Chironominae			11	16.2	9	30.0
Diptera	Chironomidae	Chironominae			1	1.5	1	3.3
Diptera	Chironomidae	Chironominae	Chironomus	decorus group	10	14.7	8	26.7
Diptera	Chironomidae	Chironominae	Chironomus	stigmaterus	1	1.5	1	3.3
Diptera	Chironomidae	Chironominae	Chironomus	vanderwulpi group	1	1.5	1	3.3
Diptera	Chironomidae	Chironominae	Cladotanytarsus		1	1.5	1	3.3
Diptera	Chironomidae	Chironominae	Cryptochironomus		11	16.2	7	23.3
Diptera	Chironomidae	Chironominae	Dicrotendipes		9	13.2	8	26.7
Diptera	Chironomidae	Chironominae	Dicrotendipes	fumidus	1	1.5	1	3.3

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Table M.2 (Continued)

Order	Family	Subfamily	Genus	Species	Number of Samples Detected	Percent of Samples Detected	Total Sites	Percent Sites
Insecta (continued)								
Diptera	Chironomidae	Chironominae	Einfeldia		1	1.5	1	3.3
Diptera	Chironomidae	Chironominae	Glyptotendipes		1	1.5	1	3.3
Diptera	Chironomidae	Chironominae	Lauterborniella		1	1.5	1	3.3
Diptera	Chironomidae	Chironominae	Microsetra		6	8.8	5	16.7
Diptera	Chironomidae	Chironominae	Microsetra	pupa	2	2.9	2	6.7
Diptera	Chironomidae	Chironominae	Microsetra/Tanytarsus		1	1.5	1	3.3
Diptera	Chironomidae	Chironominae	Microtendipes		2	2.9	2	6.7
Diptera	Chironomidae	Chironominae	Microtendipes	pedellus group	5	7.4	4	13.3
Diptera	Chironomidae	Chironominae	Parachironomus		1	1.5	1	3.3
Diptera	Chironomidae	Chironominae	Paratanytarsus		10	14.7	6	20.0
Diptera	Chironomidae	Chironominae	Paratanytarsus	pupa	1	1.5	1	3.3
Diptera	Chironomidae	Chironominae	Paratanytarsus	species A	5	7.4	5	16.7
Diptera	Chironomidae	Chironominae	Paratanytarsus	species B	7	10.3	6	20.0
Diptera	Chironomidae	Chironominae	Paratendipes		6	8.8	4	13.3
Diptera	Chironomidae	Chironominae	Phaenopsectra		5	7.4	5	16.7
Diptera	Chironomidae	Chironominae	Polypedium		9	13.2	5	16.7
Diptera	Chironomidae	Chironominae	Polypedium	flavum	12	17.6	8	26.7
Diptera	Chironomidae	Chironominae	Polypedium	halterale group	1	1.5	1	3.3
Diptera	Chironomidae	Chironominae	Polypedium	illinoense group	3	4.4	1	3.3
Diptera	Chironomidae	Chironominae	Polypedium	scalaenum group	5	7.4	3	10.0
Diptera	Chironomidae	Chironominae	Polypedium	species A	1	1.5	1	3.3
Diptera	Chironomidae	Chironominae	Polypedium	tritum	2	2.9	1	3.3
Diptera	Chironomidae	Chironominae	Rheotanytarsus		7	10.3	5	16.7
Diptera	Chironomidae	Chironominae	Rheotanytarsus	exiguus group	2	2.9	2	6.7
Diptera	Chironomidae	Chironominae	Stenochironomus		3	4.4	3	10.0
Diptera	Chironomidae	Chironominae	Stictochironomus		30	44.1	15	50.0
Diptera	Chironomidae	Chironominae	Tanytarsus		5	7.4	4	13.3
Diptera	Chironomidae	Chironominae	Tribe Tanytarsini		1	1.5	1	3.3
Diptera	Chironomidae	Orthocladiinae	Brillia		16	23.5	12	40.0
Diptera	Chironomidae	Orthocladiinae	Brillia	flavifrons	3	4.4	3	10.0
Diptera	Chironomidae	Orthocladiinae	Brillia	flavifrons group	1	1.5	1	3.3
Diptera	Chironomidae	Orthocladiinae	Brillia		6	8.8	4	13.3
Diptera	Chironomidae	Orthocladiinae	Chaetocladius		5	7.4	4	13.3
Diptera	Chironomidae	Orthocladiinae	Corynoneura		7	10.3	7	23.3
Diptera	Chironomidae	Orthocladiinae	Cricotopus	(subgenus)	7	10.3	4	13.3
Diptera	Chironomidae	Orthocladiinae	Cricotopus	pupa	2	2.9	1	3.3
Diptera	Chironomidae	Orthocladiinae	Cricotopus		3	4.4	3	10.0

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Table M.2 (Continued)

Order	Family	Subfamily	Genus	Species	Number of Samples Detected	Percent of Samples Detected	Total Sites	Percent Sites
Insecta (continued)								
Diptera	Chironomidae	Orthoclaadiinae	Cricotopus/Orthoclaadius		5	7.4	5	16.7
Diptera	Chironomidae	Orthoclaadiinae	Cricotopus	annulator complex	2	2.9	1	3.3
Diptera	Chironomidae	Orthoclaadiinae	Cricotopus	bicinctus	8	11.8	5	16.7
Diptera	Chironomidae	Orthoclaadiinae	Cricotopus	bicinctus group	8	11.8	8	26.7
Diptera	Chironomidae	Orthoclaadiinae	Cricotopus	fuscus group	1	1.5	1	3.3
Diptera	Chironomidae	Orthoclaadiinae	Cricotopus	infuscatus	2	2.9	2	6.7
Diptera	Chironomidae	Orthoclaadiinae	Cricotopus	infuscatus/triannulatus	4	5.9	2	6.7
Diptera	Chironomidae	Orthoclaadiinae	Cricotopus	intersectus group	1	1.5	1	3.3
Diptera	Chironomidae	Orthoclaadiinae	Cricotopus	tremulus group	3	4.4	3	10.0
Diptera	Chironomidae	Orthoclaadiinae	Cricotopus	trifascia	2	2.9	2	6.7
Diptera	Chironomidae	Orthoclaadiinae	Cricotopus	trifascia group	1	1.5	1	3.3
Diptera	Chironomidae	Orthoclaadiinae	Cryptocladopelma		1	1.5	1	3.3
Diptera	Chironomidae	Orthoclaadiinae	Eukiefferiella	claripennis group	2	2.9	2	6.7
Diptera	Chironomidae	Orthoclaadiinae	Hydorbaenus		1	1.5	1	3.3
Diptera	Chironomidae	Orthoclaadiinae	Limnophyes		6	8.8	6	20.0
Diptera	Chironomidae	Orthoclaadiinae	Nanoclaadius		5	7.4	4	13.3
Diptera	Chironomidae	Orthoclaadiinae	Nanoclaadius		1	1.5	1	3.3
Diptera	Chironomidae	Orthoclaadiinae	Orthoclaadius	c.f rectinervis	16	23.5	12	40.0
Diptera	Chironomidae	Orthoclaadiinae	Orthoclaadius	pupa	2	2.9	2	6.7
Diptera	Chironomidae	Orthoclaadiinae	Orthoclaadius	olliveri	3	4.4	2	6.7
Diptera	Chironomidae	Orthoclaadiinae	Orthoclaadius		4	5.9	4	13.3
Diptera	Chironomidae	Orthoclaadiinae	Parakiefferiella	pupa	1	1.5	1	3.3
Diptera	Chironomidae	Orthoclaadiinae	Parakiefferiella		7	10.3	6	20.0
Diptera	Chironomidae	Orthoclaadiinae	Parametirocnemus		1	1.5	1.5	3.3
Diptera	Chironomidae	Orthoclaadiinae	Paratrichoclaadius	pupa	1	1.5	1	3.3
Diptera	Chironomidae	Orthoclaadiinae	Psectrocladius		3	4.4	3	10.0
Diptera	Chironomidae	Orthoclaadiinae	Rheocricotopus	robacki	2	2.9	1	3.3
Diptera	Chironomidae	Orthoclaadiinae	Rheocricotopus		3	4.4	2	6.7
Diptera	Chironomidae	Tanypodinae	Thienemanniella		10	14.7	8	26.7
Diptera	Chironomidae	Tanypodinae	Conchapelopia		15	22.1	10	33.3
Diptera	Chironomidae	Tanypodinae	Macropelopia		1	1.5	1	3.3
Diptera	Chironomidae	Tanypodinae	Natarsia		1	1.5	1	3.3
Diptera	Chironomidae	Tanypodinae	Procladius		4	5.9	4	13.3
Diptera	Chironomidae	Tanypodinae	Psectrotanypus		3	4.4	3	10.0
Diptera	Chironomidae	Tanypodinae	Psectrotanypus	discolor	1	1.5	1	3.3
Diptera	Chironomidae	Tanypodinae	Rheopelopia		4	5.9	3	10.0
Diptera	Chironomidae	Tanypodinae	Tanypus		1	1.5	1	3.3

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Table M.2 (Continued)

Order	Family	Subfamily	Genus	Species	Number of Samples Detected	Percent of Samples Detected	Total Sites	Percent Sites
Insecta (continued)								
Diptera	Chironomidae	Tanypodinae	Thienemannimyia	group	1	1.5	1	3.3
Diptera	Chironomidae	Tanypodinae	Thienemannimyia	complex	1	1.5	1	3.3
Diptera	Chironomidae	Tanypodinae	Zavrelimyia		1	1.5	1	3.3
Diptera	Empididae			Pupa	9	13.2	8	26.7
Diptera	Empididae				1	1.5	1	3.3
Diptera	Empididae		Hemerodromia		22	32.4	13	43.3
Diptera	Empididae		Neoplasta		1	1.5	1	3.3
Diptera	Ephydriidae				1	1.5	1	3.3
Diptera	Muscidae				1	1.5	1	3.3
Diptera	Psychodidae				1	1.5	1	3.3
Diptera	Simuliidae				4	5.9	4	13.3
Diptera	Simuliidae		Simulium	aureum	1	1.5	1	3.3
Diptera	Simuliidae		Simulium	fibrinflatum	1	1.5	1	3.3
Diptera	Simuliidae		Simulium	fibrinflatum/jenningsi/luggeri	4	5.9	2	6.7
Diptera	Simuliidae		Simulium	jenningsi group	1	1.5	1	3.3
Diptera	Simuliidae		Simulium	venustum complex	1	1.5	1	3.3
Diptera	Simuliidae		Simulium	vittatum complex	15	22.1	10	33.3
Diptera	Syrphidae				1	1.5	1	3.3
Diptera	Syrphidae		Helophilus		1	1.5	1	3.3
Diptera	Tabanidae				1	1.5	1	3.3
Diptera	Tabanidae		Chrysops		4	5.9	4	13.3
Diptera	Tipulidae				2	2.9	2	6.7
Diptera	Tipulidae		Antocha		1	1.5	1	3.3
Diptera	Tipulidae		Erioptera		1	1.5	1	3.3
Diptera	Tipulidae		Pilaria		2	2.9	2	6.7
Diptera	Tipulidae		Tipula		7	10.3	5	16.7
Diptera	Baetidae		Baetis		8	11.8	8	26.7
Ephemeroptera	Baetidae		Baetis	brunneicolor	7	10.3	4	13.3
Ephemeroptera	Baetidae		Baetis	flavistriga	8	11.8	6	20.0
Ephemeroptera	Baetidae		Baetis	flavistriga complex	4	5.9	1	3.3
Ephemeroptera	Baetidae		Baetis	flavistriga complex	7	10.3	5	16.7
Ephemeroptera	Baetidae		Baetis	intercalaris	15	22.1	7	23.3
Ephemeroptera	Baetidae		Callibaetis		3	4.4	2	6.7
Ephemeroptera	Caenidae		Caenis		1	1.5	1	3.3
Ephemeroptera	Caenidae		Hexagenia	limbata	6	8.8	5	16.7
Ephemeroptera	Ephemeridae				1	1.5	1	3.3

Table continued on next page.

Table M.2 (Continued)

Order	Family	Subfamily	Genus	Species	Number of Samples Detected	Percent of Samples Detected	Total Sites	Percent Sites
Insecta (continued)								
Ephemeroptera	Heptageniidae		Stenacron	interpunctatum	6	8.8	5	16.7
Ephemeroptera	Heptageniidae		Belostoma	flumineum	29	42.6	14	46.7
Hemiptera	Belostomatidae				1	1.5	1	3.3
Hemiptera	Corixidae		Sigara		5	7.4	4	13.3
Hemiptera	Corixidae				1	1.5	1	3.3
Hemiptera	Gerridae				1	1.5	1	3.3
Hemiptera	Mesoveliidae				1	1.5	1	3.3
Hemiptera	Nepidae		Ranatra		1	1.5	1	3.3
Hemiptera	Veliidae				1	1.5	1	3.3
Hemiptera	Veliidae		Microvelia	americana	1	1.5	1	3.3
Megaloptera	Sialidae		Sialis		1	1.5	1	3.3
Odonata	Aeschildae		Aeshna		2	2.9	2	6.7
Odonata	Calopterygidae				2	2.9	2	6.7
Odonata	Calopterygidae		Calopteryx		1	1.5	1	3.3
Odonata	Calopterygidae		Calopteryx	maculata	4	5.9	4	13.3
Odonata	Coenagrionidae				10	14.7	10	33.3
Odonata	Coenagrionidae		Coenagrion/Enallagma		1	1.5	1	3.3
Odonata	Coenagrionidae		Enallagma		6	8.8	5	16.7
Odonata	Coenagrionidae		Ischnura	verticalis	5	7.4	3	10.0
Plecoptera	Capniidae				1	1.5	1	3.3
Plecoptera	Taeniopterygidae		Taeniopteryx	nivalis	1	1.5	1	3.3
Trichoptera	Hydropsychidae				20	29.4	11	36.7
Trichoptera	Hydropsychidae		Ceratopsyche		4	5.9	2	6.7
Trichoptera	Hydropsychidae		Ceratopsyche	alhedra	5	7.4	4	13.3
Trichoptera	Hydropsychidae		Ceratopsyche	bronta	9	13.2	4	13.3
Trichoptera	Hydropsychidae		Ceratopsyche	bronta pupa	1	1.5	1	3.3
Trichoptera	Hydropsychidae		Ceratopsyche	morosa bifida form	2	2.9	1	3.3
Trichoptera	Hydropsychidae		Ceratopsyche	sparna	5	7.4	4	13.3
Trichoptera	Hydropsychidae		Cheumatopsyche		37	54.4	16	53.3
Trichoptera	Hydropsychidae		Cheumatopsyche	pupa	2	2.9	2	6.7
Trichoptera	Hydropsychidae		Cheumatopsyche	pettiti pupa	1	1.5	1	3.3
Trichoptera	Hydropsychidae		Hydropsyche		10	14.7	6	20.0
Trichoptera	Hydropsychidae		Hydropsyche	betteni	31	45.6	15	50.0
Trichoptera	Hydroptilidae				9	13.2	8	26.7
Trichoptera	Hydroptilidae				2	2.9	2	6.7
Trichoptera	Hydroptilidae		Hydroptila	Pupa	8	11.8	3	10.0
Trichoptera	Leptoceridae		Oecetis		2	2.9	2	6.7

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Table M.2 (Continued)

Order	Family	Subfamily	Genus	Species	Number of Samples Detected	Percent of Samples Detected	Total Sites	Percent Sites
Insecta (continued)								
Trichoptera	Philopotamidae		Chimarra	aterrima	1	1.5	1	3.3
Trichoptera	Philopotamidae		Chimarra	obscura	1	1.5	1	3.3
Trichoptera	Phryganeidae		Ptilostomis		1	1.5	1	3.3
			Ostracoda		9	13.2	9	30.0
Mollusca								
Basommatophora					1	1.5	1	3.3
Basommatophora	Ancylidae		Ferrissia		3	4.4	2	6.7
Basommatophora	Ancylidae		Laevapex		3	4.4	2	6.7
Basommatophora	Ancylidae				2	2.9	2	6.7
Basommatophora	Physidae				1	1.5	1	3.3
Basommatophora	Physidae		Haitia	acuta	1	1.5	1	3.3
Basommatophora	Physidae		Physa		13	19.1	9	30.0
Basommatophora	Planorbidae				1	1.5	1	3.3
Gastropoda					9	13.2	8	26.7
Neotaenioglossa	Hydrobiidae				3	4.4	2	6.7
Bivalvia ⁹					8	11.8	8	26.7
Veneroida	Pisidiidae				4	5.9	3	10.0
Veneroida	Pisidiidae		Pisidium		5	7.4	5	16.7
Veneroida	Pisidiidae		Sphaerium		15	22.1	11	36.7
Nematoda								
Mermithida					1	1.5	1	3.3
					6	8.8	5	16.7
Nematomorpha								
Turbellaria								
Tricladida					6	8.8	5	16.7
					15	22.1	9	30.0

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Table M.2 (Continued)

Note: Rows without more detailed taxonomic identifications (i.e., Order to Species) indicate data for individuals that were only identified to the taxonomic grouping in the sub-header.

^a Subclass includes *Acanthobdellidea* and *Euhirudinea*—this includes *Glossiphoniidae*, *Arhynchobdellida*, and *Rhynchobdellida*.

^b Subclass that includes *Haplotaxida* and *Lumbriculida*.

^c Subclass.

^d Includes *Hydracarina*.

^e Includes orders *Calanoida*, *Cyclopoida*, and *Harpacticoida*.

^f Includes *Cladocera*.

^g Class which includes order *Veneroida*.

Source: University of Wisconsin Parkside, US Geological Survey, Wisconsin Department of Natural Resources, and SEWRPC