

APPENDIX 2: Macroinvertebrates collected from Alum Creek.

Taxa	Common Name	OEPA	Hoggarth <i>et al.</i>
Porifera	Sponge		
Spongillidae			
<i>Spongilla</i> sp.			X
<i>Ephydatia</i> sp.		X	
<i>Eunapius</i> sp.		X	
<i>Trochospongilla</i> sp.		X	
Cnidaria	Hydra & Jellyfish		
Hydrozoa			
<i>Hydra</i> sp.		X	
<i>Craspedacusta</i> sp.		X	
Plathyhelminthes	Flatworm		
Planaria			
<i>Dugusia</i> sp.			X
Nermetea	Ribbon Worm	X	
Ectoprocta	Moss Animal		
<i>Fredericella</i> sp.		X	
<i>Paludicella</i> sp.		X	
<i>Plumatella</i> sp.		X	
Endoprocta	Endoprocts		
<i>Urnatella</i> sp.		X	
Annelida			
Oligochaeta	Aquatic Worm	X	X
Hirudinea	Leech		X
<i>Helobdella</i> sp.		X	
<i>Placobdella</i> sp.		X	
<i>Erpobdella</i> sp.		X	
<i>Mooreobdella</i> sp.		X	
Isopoda	Isopod		
<i>Caecidotea</i> sp.		X	
Amphipoda	Amphipod		
<i>Hyaella</i> sp.		X	
<i>Crangonyx</i> sp.		X	X
Decapoda	Crayfish		
Cambaridae			
<i>Orconectes rusticus</i>	Rusty Crayfish	X	X
<i>Orconectes sanbornii</i>	Sanborn's Crayfish	X	
<i>Cambarus sciotensis</i>	Scioto Crayfish	X	X

APPENDIX 2: Macroinvertebrates collected from Alum Creek. - Continued

Taxa	Common Name	OEPA	Hoggarth <i>et al.</i>
Ephemeroptera	Mayfly		
Baetidae			
<i>Baetis intercalaris</i>		X	X
<i>Callibaetis</i> sp.		X	
<i>Centroptilum</i> sp.		X	
<i>Procloeon</i> sp.		X	
<i>Dipheter hageni</i>		X	
Baetiscidae			
<i>Baetisca</i> sp.			X
Isonychiidae			
<i>Isonychia</i> sp.		X	
Ephemerellidae			
<i>Eurylophella</i> sp.		X	
Ephemeridae			
<i>Ephemera</i> sp.		X	
Caenidae			
<i>Caenis</i> sp.		X	X
Leptophlebiidae			
<i>Choroterpes</i> sp.		X	
<i>Leptophlebia</i> sp.		X	
<i>Paraleptophlebia</i> sp.		X	
Heptageniidae			
<i>Leucrocuta</i> sp.		X	
<i>Nixe</i> sp.		X	
<i>Stenacron</i> sp.		X	X
<i>Stenonema exiguum</i>		X	X
<i>Stenonema femoratum</i>		X	
<i>Stenonema m. integrum</i>		X	
<i>Stenonema pulchellum</i>		X	
<i>Stenonema terminatum</i>		X	
<i>Stenonema tripunctatum</i>		X	
<i>Stenonema vicarium</i>		X	
Tricorythidae			
<i>Tricorythodes</i> sp.		X	X
Odonata-Zygoptera	Damselfly		
Coenagrionidae			
<i>Argia</i> sp.		X	X
<i>Enallagma</i> sp.			X

APPENDIX 2: Macroinvertebrates collected from Alum Creek. - Continued

Taxa	Common Name	OEPA	Hoggarth <i>et al.</i>
Calopterygidae			
<i>Hexagenia limbata</i>		X	X
<i>Calopteryx sp.</i>		X	X
<i>Hetaerina sp.</i>		X	
Odonata-Anisoptera	Dragonfly		
Macromiidae			
<i>Macromia sp.</i>		X	X
Gomphidae			
<i>Gomphus sp.</i>		X	
<i>Stylogomphus albistylus</i>		X	
<i>Dromogomphus sp.</i>			X
Aeshnidae			
<i>Aeshna sp.</i>		X	
<i>Basiaeschna janata</i>		X	
<i>Boyeria vinosa</i>		X	X
<i>Nasiaeschna pentacantha</i>		X	X
Corduliidae			
<i>Somatochlora sp.</i>		X	
<i>Epiheca cynosura</i>		X	
Libellulidae			
<i>Libellula Lydia</i>		X	
Plecoptera	Stonefly		
Perlidae			
<i>Acroneuria frisoni</i>		X	
<i>Neoperla clymene</i>		X	
Isoperlidae			
<i>Isoperla sp.</i>			X
Hemiptera			
Gerridae	Water strider		
<i>Gerris gerris</i>			X
Corixidae	Water boatman		
<i>Sigara sp.</i>		X	X
<i>Trichocorixa sp.</i>		X	
Nepidae	Water scorpion		
<i>Ranatra sp.</i>		X	X
Belostomatidae	Giant Water Bug		
<i>Belostoma sp.</i>		X	

APPENDIX 2: Macroinvertebrates collected from Alum Creek. - Continued

Taxa	Common Name	OEPA	Hoggarth <i>et al.</i>
Pleidae	Pigmy Back Swimmer		
<i>Neoplea</i> sp.		X	
Naucoridae	Creeping Water Bug		
<i>Pelocoris</i> sp.		X	
Notonectidae	Back Swimmer		
<i>Notonecta</i> sp.		X	
Trichoptera	Caddisfly		
Hydropsychidae			
<i>Hydropsyche depravata</i>		X	X
<i>Hydropsyche dicantha</i>		X	
<i>Hydropsyche simulans</i>		X	
<i>Cheumatopsyche</i> sp.		X	X
<i>Ceratopsyche morose</i>		X	
<i>Macrostemum zebratum</i>		X	
Helicopsychidae			
<i>Helicopsyche borealis</i>			X
Limnephilidae			
<i>Pycnopsyche</i> sp.		X	X
Philopotamidae			
<i>Chimarra obscura</i>		X	
Psychomyiidae			
<i>Lype diversa</i>		X	
Polycentropidae			
<i>Polycentropis</i> sp.		X	X
<i>Cernotina</i> sp.		X	
<i>Neureclipsis</i> sp.		X	
Hydroptilidae			
<i>Hydroptila</i> sp.		X	
Leptoceridae			
<i>Mystacides sepulchralis</i>		X	
<i>Nectopsyche diarina</i>		X	
<i>Oecetis nocturna</i>		X	
<i>Triaenodes</i> sp.		X	
Lepidoptera	Butterfly & Moth		
Pyralidae			
<i>Petrophia</i> sp.		X	

APPENDIX 2: Macroinvertebrates collected from Alum Creek. - Continued

Taxa	Common Name	OEPA	Hoggarth <i>et al.</i>
Megaloptera	Dobsonfly & Fishfly		
Sialidae			
<i>Sialis</i> sp.		X	
Corydalidae			
<i>Corydalus cornutus</i>		X	X
<i>Nigronia serricornis</i>		X	
Neuroptera	Spongillafly		
Sisyridae			
<i>Climacia</i> sp.		X	
Coleptera			
Gyrinidae	Whirlygig Beetle		
<i>Dineutus</i> sp.			X
<i>Gyrinus</i> sp.		X	X
Halipidae	Crawling Water Beetle		
<i>Halipus</i> sp.		X	
<i>Pelodytes</i> sp.		X	X
Dytiscidae	Predaceous Diving Beetle		
<i>Hydoporus</i> sp.		X	
<i>Laccophilus</i> sp.			X
Hydrophilidae	Water Scavenger Beetle		
<i>Berosus</i> sp.		X	
<i>Enochurus</i> sp.		X	
<i>Helophorus</i> sp.		X	
<i>Paracymus</i> sp.		X	
<i>Tropisternus</i> sp.		X	
Psephenidae	Water Penny Beetle		
<i>Ectpria</i> sp.		X	
<i>Psephenus herricki</i>		X	X
Elmidae	Riffle Beetle		
<i>Ancyronyx variegata</i>		X	
<i>Dubiraphia bivittata</i>		X	
<i>Dubiraphia quadrinotata</i>		X	
<i>Dubiraphia vittata</i>		X	
<i>Macronychus glabratus</i>		X	X
<i>Stenelmis</i> sp.		X	
Dryopidae	Long-toed Water Beetle		
<i>Helichus</i> sp.		X	

APPENDIX 2: Macroinvertebrates collected from Alum Creek. - Continued

Taxa	Common Name	OEPA	Hoggarth <i>et al.</i>
Diptera			
Chironomidae	Midge fly		X
<i>Ablabesmyia mallochi</i>		X	
<i>Ablabesmyia rhamphe</i>		X	
<i>Clinotanypus pinguis</i>		X	
<i>Conchapelopia</i> sp.		X	
<i>Hayesomyia senata</i> or <i>Thienemannimyia norena</i>		X	
<i>Helopelopia</i> sp.		X	
<i>Labrundinia pilosella</i>		X	
<i>Meropelopia</i> sp.		X	
<i>Nilotanypus fimbriatus</i>		X	
<i>Pentaneura inconspicua</i>		X	
<i>Procladius</i> sp.		X	
<i>Brillia flavifrons</i>		X	
<i>Corynoneura lobata</i>		X	
<i>Cricotopus bicinctus</i>		X	
<i>Cricotopus termulus</i>		X	
<i>Cricotopus sylvestris</i>		X	
<i>Nanocladius crassicornus</i>		X	
<i>Nanocladius distinctus</i>		X	
<i>Nanocladius spiniplenus</i>		X	
<i>Nanocladius downesi</i>		X	
<i>Orthocladius</i> sp.		X	
<i>Parakiefferiella</i> sp.		X	
<i>Parametrioctenus</i> sp.		X	
<i>Rheocricotopus robacki</i>		X	
<i>Synorthocladius semivirens</i>		X	
<i>Thienemanniella taurocapita</i>		X	
<i>Thienemanniella lobapoderma</i>		X	
<i>Thienemanniella similis</i>		X	
<i>Thienemanniella xena</i>		X	
<i>Axarus</i> sp.		X	
<i>Chironomus decorus</i>		X	
<i>Cryptochironomus pseudotener</i>		X	
<i>Cryptotendipes</i> sp.		X	
<i>Dicotendipes neomodestus</i>		X	
<i>Dicotendipes modestus</i>		X	
<i>Dicotendipes fumidus</i>		X	

APPENDIX 2: Macroinvertebrates collected from Alum Creek. - Continued

Taxa	Common Name	OEPA	Hoggarth <i>et al.</i>
<i>Dicrotendipes lucifer</i>		X	
<i>Dicrotendipes simpsoni</i>		X	
<i>Endochironomus nigricans</i>		X	
<i>Glyptotendipes amplus</i>		X	
<i>Harnischia curtilamellata</i>		X	
<i>Microtendipes caelum</i>		X	
<i>Microtendipes pedellus</i>		X	
<i>Nilothauma</i> sp.		X	
<i>Parachironomus frequens</i>		X	
<i>Parachironomus pectinatellae</i>		X	
<i>Parachironomus albimanus</i> or <i>duplicatus</i>		X	
<i>Phaenopsectra obediens</i>		X	
<i>Phaenopsectra punctipes</i>		X	
<i>Phaenopsectra flavipes</i>		X	
<i>Polypedilum flavum</i>		X	
<i>Polypedilum fallax</i>		X	
<i>Polypedilum illinoense</i>		X	
<i>Polypedilum ophioides</i>		X	
<i>Polypedilum halterale</i>		X	
<i>Polypedilum scalaenum</i>		X	
<i>Stenochironomus</i> sp.		X	
<i>Tribelos jucundum</i>		X	
<i>Xenochironomus xenolabis</i>		X	
<i>Cladotanytarsus mancus</i>		X	
<i>Paratanytarsus</i> sp.		X	
<i>Rheotanytarsus exiguus</i>		X	
<i>Rheotanytarsus distinctissimus</i>		X	
<i>Tanytarsus glabrescens</i>		X	
<i>Hemerodromia</i> sp.		X	
Tipullidae	Crane fly		
<i>Antocha</i> sp.		X	
<i>Hexatoma</i> sp.		X	
<i>Limonia</i> sp.		X	
<i>Tipula abdominalis</i>		X	X
Dolichopodidae			
<i>Hydrophorus</i> sp.		X	
Simulidae	Black fly		
<i>Simulium</i> sp.		X	X

APPENDIX 2: Macroinvertebrates collected from Alum Creek. - Continued

Taxa	Common Name	OEPA	Hoggarth <i>et al.</i>
Certopogonidae		X	
Dixidae			
<i>Dixella</i> sp.		X	
Culicidae			
<i>Chaoborus</i> sp.		X	
<i>Anopheles</i> sp.		X	
<i>Cules</i> sp.		X	
Tabanidae	Deer fly		X
Empididae	Dance fly		X
Mollusca			
Hydrobiidae		X	
Physidae			
<i>Physella integra</i>		X	X
Ferrisidae			
<i>Ferrissia rivularis</i>		X	X
Pleuroceridae			
<i>Elimia livescens</i>		X	X
Corbiculidae			
<i>Corbicula fluminea</i>		X	X
Sphaeriidae			
<i>Sphaerium striatinum</i>			X
<i>Musculum transversum</i>			X
<i>Pisidium compressum</i>			X
Dreissenidae			
<i>Dreissena polymorpha</i>		X	X

Identification of invertebrates followed Burch, 1972, 1989, Merritt and Cummins, 1996, and Thoma and Jezerinac, 2000.

OEPA = Ohio EPA, 1996 & 2000

Hoggarth *et al.* = Hoggarth, 2000a, 2000b, & 2001 and Hoggarth *et al.*, 1997 & 1999

APPENDIX 3: Freshwater mussels previously collected from Alum Creek in Westerville, OH

Taxon	Common Name	1997	2000/2001
<i>Amblema plicata plicata</i>	three ridge	1	5
<i>Elliptio dilatata</i>	spike	6	X
<i>Epioblasma triquerta</i>	snuffbox	X	
<i>Fusconaia flava</i>	wabash pigtoe	9	2
<i>Lampsilis radiata luteola</i>	fat mucket	16	22
<i>Lampsilis ventricosa</i>	plain pocketbook	X	3
<i>Lasmigona complanata</i>	white heelsplitter	X	2
<i>Lasmigona compressa</i>	creek heelsplitter	1	
<i>Lasmigona costata</i>	fluted-shell	3	
<i>Obovaria subrotunda</i>	round hickorynut	31	5
<i>Pleurobema sintoxia</i>	round pigtoe	X	
<i>Ptychobranhus fasciolaris</i>	kidney shell	4	1
<i>Pyganodon grandis</i>	giant floater	X	1
<i>Strophitus undulatus</i>	creeper		4
<i>Utterbackia imbecillis</i>	paper pondshell	X	
<i>Villosa fabalis</i>	rayed been	X	
<i>Villosa iris iris</i>	rainbow	6	

Common names of mussels followed Turgeon *et al.*, 1998.

APPENDIX 4. Fish collected from Alum Creek during Hoggarth 2002 study in Westerville, Ohio, upstream and downstream of the Alum Creek Wastewater Treatment Plant.

Species	Common Name	Upstream	Downstream
<i>Dromosoma cepedianum</i>	gizzard shad	1	0
<i>Cprinus carpio</i>	common carp	3	5
<i>Semotilus atromaculatus</i>	northern creek chub	2	0
<i>Luxilus chrysocephalus</i>	striped shiner	0	10
<i>Cyprinella spilopterus</i>	spotfin shiner	47	33
<i>Notropis stramineus</i>	sand shiner	40	0
<i>Pimephales promelas</i>	fathead minnow	1	1
<i>Pimephales notatus</i>	bluntnose minnow	244	269
<i>Campostoma anomalum</i>	stoneroller minnow	5	19
<i>Moxostoma duquesni</i>	black redhorse	1	0
<i>Moxostoma erythrurum</i>	golden redhorse	18	8
<i>Hypentilium nigricans</i>	northern hogsucker	32	11
<i>Catostomus commersoni</i>	white sucker	4	12
<i>Minytrema melanops</i>	spotted sucker	6	9
<i>Ameriurus natalis</i>	yellow bullhead	3	2
<i>Percopsis omiscomaycus</i>	trout-perch	1	0
<i>Perca flavescens</i>	yellow perch	3	3
<i>Fundulus notatus</i>	blackstriped topminnow	4	39
<i>Pomoxis annularis</i>	white crappie	0	1
<i>Pomoxis nigromaculatus</i>	black crappie	2	2
<i>Ambloplites rupestris</i>	rock bass	4	7
<i>Micropterus dolomieu</i>	smallmouth bass	5	3
<i>Micropterus salmoides</i>	largemouth bass	5	5
<i>Lepomis cyanellus</i>	green sunfish	31	35
<i>Lepomis macrochirus</i>	bluegill sunfish	107	137
<i>Lepomis megalotis</i>	longear sunfish	6	26
<i>Lepomis gibbosus</i>	pumpkinseed sunfish	1	0
<i>Stizostedion canadense x vitreum</i>	saugeye	1	0
<i>Percina caprodes</i>	logperch darter	4	6
<i>Etheostoma nigrum</i>	Johnny darter	1	11
<i>Etheostoma blenniodes</i>	greenside darter	25	14
<i>Etheostoma zonale</i>	banded darter	5	1
<i>Etheostoma caeruleum</i>	rainbow darter	5	2
<i>Etheostoma flabellare</i>	fantail darter	9	4
<i>Cottus bairdi</i>	mottled sculpin	5	5

APPENDIX 4: Fish collected from Alum Creek during 2002 Hoggarth study – Continued

Species	Common Name	Upstream	Downstream
<i>Esox masquinongy ohioensis</i>	Ohio muskellunge	1	0
<i>Noturus miurus</i>	brindled madtom	2	0
Total Number of Species		32	32
Total Number of Individuals		613	723

Scientific names followed Trautman, 1981 and Robins *et al.*, 1991. Common names followed Robins *et al.*, 1991.

APPENDIX 5: Historic fish distribution in Alum Creek.

Species	Common Name	W. & O.	Troutman	OEPA	Hoggarth <i>et al.</i>
<i>Lampetra aepyptera</i>	Least Brook Lamprey		X		
<i>Polydon spathula</i>	Paddlefish		X		
<i>Lepisosteus osseus</i>	Longnose Gar			X	
<i>Dorosoma cepedianum</i>	Gizzard Shad		X	X	X
<i>Esox a. vermiculatus</i>	Grass Pickerel	X	X	X	
<i>Esox m. ohioensis</i>	Ohio Muskellunge		X	X	X
<i>Cyprinus carpio</i>	Common Carp	X	X	X	X
<i>Carassius auratus</i>	Goldfish		X	X	
<i>Cyprinus x Carassius</i>	Hybrid Carp/Goldfish			X	
<i>Notemigonus crysoleucas</i>	Golden Shiner			X	
<i>Erimystax dissimilis</i>	Streamline Chub			X	
<i>Nocomis biguttatus</i>	Hornyhead Chub		X		
<i>Nocomis micropogon</i>	River Chub	X	X		
<i>Rhinichthys a. meleagris</i>	Western Blacknose Dace		X	X	X
<i>Semotilus atromaculatus</i>	Northern Creek Chub X	X	X	X	
<i>Phenacobius mirabilis</i>	Suckermouth Minnow			X	X
<i>Phoxinus erythrogaster</i>	Southern Redbelly Dace		X		
<i>Cyprinella whipplei</i>	Steelcolor Shiner		X	X	
<i>Cyprinella spilopterus</i>	Spotfin Shiner		X	X	X
<i>Luxilus cornutus</i>	Common Shiner	X	X		
<i>Luxilus chrysocephalus</i>	Striped Shiner		X	X	X
<i>Lythrurus ardens</i>	Rosefin Shiner	X	X	X	X
<i>Notropis blennioides</i>	River Shiner	X			
<i>Notropis atherinoides</i>	Emerald Shiner	X		X	
<i>Notropis ambloplites</i>	Northern Bigeye Chub	X	X	X	
<i>Notropis photogenis</i>	Silver Shiner		X	X	X
<i>Notropis rubellus</i>	Rosyface Shiner	X	X		
<i>Notropis stramineus</i>	Sand Shiner		X	X	X
<i>Notropis volucellus</i>	Mimic Shiner		X	X	
<i>Ericymba buccata</i>	Silverjaw Minnow	X	X	X	
<i>Pimephales notatus</i>	Bluntnose Minnow	X	X	X	X
<i>Pimephales promelas</i>	Fathead Minnow		X	X	X
<i>Compostoma anomalum</i>	Stoneroller Minnow	X	X	X	X
<i>Ictiobus bubalus</i>	Smallmouth Buffalo		X		
<i>Carpoides cyprinus</i>	Quillback Carpsucker		X	X	
<i>Carpoides carpio</i>	River Carpsucker			X	
<i>Carpoides velifer</i>	Highfin Carpsucker			X	
<i>Moxostoma anisurum</i>	Silver Redhorse	X	X	X	X
<i>Moxostoma duquesnei</i>	Black Redhorse		X	X	X
<i>Moxostoma erythrum</i>	Golden Redhorse		X	X	X
<i>Hypentelium nigricans</i>	Hog Sucker	X	X	X	X
<i>Catostomus commersonii</i>	White Sucker	X	X	X	X
<i>Minytrema melanops</i>	Spotted Sucker		X	X	X
<i>Ictalurus punctatus</i>	Channel Catfish		X	X	X
<i>Ameiurus natalis</i>	Yellow Bullhead	X	X	X	X
<i>Ameiurus nebulosus</i>	Brown Bullhead	X		X	
<i>Ameiurus melas</i>	Black Bullhead	X	X	X	
<i>Pylodictis olivaris</i>	Flathead Catfish			X	
<i>Noturus flavus</i>	Stonecat Madtom	X	X	X	X
<i>Noturus miurus</i>	Brindled Madtom	X	X	X	X
<i>Percopsis omiscomaycus</i>	Trout-Perch		X	X	X
<i>Fundulus notatus</i>	Blackstripe Topminnow		X	X	X
<i>Labidesthes sicculus</i>	Brook Silverside	X	X	X	
<i>Culaea inconstans</i>	Brook Stickleback			X	
<i>Morone chrysops</i>	White Bass		X	X	
<i>Pomoxis annularis</i>	White Crappie		X	X	X
<i>Pomoxis nigromaculatus</i>	Black Crappie		X	X	X
<i>Ambloplites rupestris</i>	Northern Rock Bass	X	X	X	X
<i>Micropterus dolomieu</i>	Smallmouth Blackbass	X	X	X	X
<i>Micropterus salmoides</i>	Largemouth Blackbass		X	X	X
<i>Micropterus punctulatus</i>	Spotted Blackbass			X	

APPENDIX 5: Historic fish distribution in Alum Creek - Continued

Species	Common Name	W. & O.	Troutman	OEPA	Hoggarth <i>et al.</i>
<i>Lepomis cyanellus</i>	Green Sunfish	X	X	X	X
<i>Lepomis macrochirus</i>	Bluegill Sunfish		X	X	X
<i>Lepomis humilis</i>	Orangespotted sunfish		X	X	
<i>Lepomis megalotis</i>	Longear Sunfish	X	X	X	X
<i>Lepomis gibbosus</i>	Pumpkinseed sunfish		X	X	X
<i>Lepomis</i> spp.	Hybrid Sunfish			X	X
<i>Stizostedion canadense</i>	Sauger			X	
<i>Stizostedion vitreum</i>	Walleye		X	X	
<i>Stizostedion vitreum</i> x <i>canadense</i>	Hybrid Walleye/Sauger			X	X
<i>Perca flavescens</i>	Yellow Perch		X	X	X
<i>Percina caprodes</i>	Ohio Logperch Darter	X	X	X	X
<i>Percina maculata</i>	Blackside Darter	X	X		X
<i>Etheostoma blennioides</i>	Greenside Darter	X	X	X	X
<i>Etheostoma nigrum</i>	Central Johnny Darter	X	X	X	X
<i>Etheostoma zonale</i>	Eastern Banded Darter	X	X	X	X
<i>Etheostoma variatum</i>	Variegate Darter		X		
<i>Etheostoma caeruleum</i>	Rainbow Darter	X	X	X	X
<i>Etheostoma spectabile</i>	Orangethroat Darter		X		
<i>Etheostoma flabellare</i>	Barred Fantail Darter	X	X	X	X
<i>Aplodinotus grunniens</i>	Freshwater Drum			X	
<i>Cottus bairdi</i>	Mottled Sculpin		X	X	X
Total (79 species + 3 hybrids)		34	62 + 3 hybrids	68 + 2 hybrid	45

W & O = Williamson and Osbourn, 1898. Trautman = Trautman, 1981. Hoggarth = Hoggarth *et al.*, 1997, 1999 & Hoggarth, 2000a, 2000b, 2001, and 2002.

APPENDIX 6: Amphibians and reptiles reported from the Alum Creek watershed.

Common Name

Scientific Name

Amphibians

American Toad	<i>Bufo americana</i>
Fowler's Toad	<i>Bufo fowleri</i>
Blanchard's Cricket Frog	<i>Acris crepitans blanchardi</i>
Grey Tree Frog	<i>Hyla versicolor</i>
Spring Peeper	<i>Pseudacris crucifer</i>
Chorus Frog	<i>Pseudacris crucifer</i>
Wood Frog	<i>Rana sylvatica</i>
Bull Frog	<i>Rana catesbeiana</i>
Leopard Frog	<i>Rana pipiens</i>
Pickeral Frog	<i>Rana palustris</i>
Green Frog	<i>Rana clamitans</i>
Mudpuppy	<i>Necturus maculosus</i>
Smallmouthed Salamander	<i>Ambystoma texanum</i>
Green Salamander	<i>Aneides aeneus</i>
Spotted Salamander	<i>Ambystoma maculatum</i>
Red-spotted Newt	<i>Notophthalmus v. viridescens</i>
Dusky Salamander	<i>Desmognathus fuscus</i>
Slimy Salamander	<i>Plethodon glutinosus</i>
Red-backed Salamander	<i>Plethodon cinereus</i>
Two-lined Salamander	<i>Eurycea bislineata</i>

Reptiles

Queen Snake	<i>Regina septemvittata</i>
Brown Snake	<i>Storeria dekayi</i>
Eastern Garter Snake	<i>Thamnophis sirtalis sirtalis</i>
Eastern Racer	<i>Coluber constrictor</i>
Black Rat Snake	<i>Elaphe o. obsoleta</i>
Massasaga rattlesnake	<i>Sistrurus c. catenatus</i>
Eastern Box Turtle	<i>Terrapene carolina</i>
Map Turtle	<i>Graptemys geographica</i>
Painted Turtle	<i>Chrysemys picta</i>
Musk Turtle	<i>Sternotherus odoratus</i>

APPENDIX 7: Mammals reported from the Alum Creek watershed.

Common Name

Scientific Name

Mammals

Virginia Opossum	<i>Didelphis virginiana</i>
Short-tailed Shrew	<i>Blarina brevicauda</i>
Masked Shrew	<i>Sorex cinereus</i>
Silver-haired Bat	<i>Lasionycteris noctivagans</i>
Red Bat	<i>Lasiurus borealis</i>
Hoary Bat	<i>Lasiurus cinereus</i>
Eastern Pipistrelle	<i>Pipistrellus subflavus</i>
Gray Squirrel	<i>Sciurus carolinensis</i>
Red Squirrel	<i>Tamiasciurus hudsonicus</i>
Long-tailed Weasel	<i>Mustela frenata</i>
White-tailed Deer	<i>Odocoileus virginianus</i>
Striped Skunk	<i>Mephitis mephitis</i>
Evening Bat	<i>Nycticeius humeralis</i>
Eastern Cottontail	<i>Sylvilagus floridanus</i>
Beaver	<i>Castor canadensis</i>
Meadow Vole	<i>Microtus pennsylvanicus</i>
Eastern Chipmunk	<i>Tamias striatus</i>
House Mouse	<i>Mus musculus</i>
Deer Mouse	<i>Peromyscus maniculatus</i>
White-footed Mouse	<i>Peromyscus leucopus</i>
Eastern Harvest Mouse	<i>Reithrodontomys humulis</i>
Norway Rat	<i>Rattus norvegicus</i>
Big Brown Bat	<i>Eptesicus fuscus</i>
Muskrat	<i>Ondatra zibethicus</i>
Mink	<i>Mustela vison</i>
Coyote	<i>Canis latrans</i>
Eastern Mole	<i>Scalopus aquaticus</i>
Raccoon	<i>Procyon lotor</i>
Red Fox	<i>Vulpes vulpes</i>
Gray Fox	<i>Urocyon cinereoargenteus</i>
Woodchuck	<i>Marmota monax</i>
