

SITE					Ciha Fen	Ciha Fen	Pechman Cr	Pechman Cr - Downstream	Pechman Cr - Upstream	Ciha Fen
DATE					4/17/17	6/1/17	4/17/17	6/12/17	6/12/17	6/21/17
KPCOF	G/S									
Animalia										
Annelida										
Clitellata										
Oligochaeta (aquatic worms)									X	
Hirudinea (leeches)										
Arhynchobdellida										
Erpobdellidae					X					
<i>Erpobdella microstoma</i>									X	X
Rhynchobdellida										
Glossophonidae										
<i>Helobdella stagnalis</i>								X		X
<i>Placobdella montifera</i>									X	
<i>Placobdella multilineata</i>										X
<i>Placobdella papilifera</i>										X
<i>Placobdella parasitica</i>								X		X
<i>Placobdella phalera</i>										X
<i>Placobdella picta</i>										X
Piscicolidae										
<i>Myzobdella lugubris</i>								X		
Arthropoda										
Arachnida										
Trombidiformes (water mites)										X
Insecta										
Coleoptera										
Carabidae										
<i>Bembidion sp. (TERRESTRIAL)</i>						X				
Dytiscidae (predaceous diving beetles)										
<i>Acilius fraternus</i>									X	
<i>Celina hubbelli</i>						X				
<i>Coelambus dissimilis</i>										X
<i>Coptotomus longulus</i>								X	X	
<i>Cybister fimbriolatus</i>										X
<i>Graphoderus sp.</i>										X
<i>Graphoderus liberus</i>					X					X
<i>Hydroporus niger</i>										X
<i>Hydrovatus pustulatus</i>										X
<i>Hygrotus sayi</i>					X					X
<i>Ilybius biguttulus</i>						X				
<i>Ilybius oblitus (New state record)</i>										X
<i>Laccophilus sp.</i>										X
<i>Laccophilus maculosus</i>										X
<i>Neoporus sp.</i>									X	
<i>Neoporus dimidiatus</i>									X	
<i>Neoporus undulatus</i>					X				X	X
Elmidae (riffle beetles)										
<i>Dubiraphia minima</i>								X		
<i>Dubiraphia quadrinotata</i>									X	
<i>Macronychus glabratus</i>								X	X	
Gyrinidae (whirligig beetles)										
<i>Dineutus sp.</i>								X	X	
<i>Dineutus assimilis</i>								X	X	
<i>Gyrinus analis</i>							X			
Haliplidae (crawling water beetles)										
<i>Haliphus sp.</i>										X
<i>Haliphus immaculicollis</i>										X
<i>Peltodytes edentulus</i>							X	X	X	X
Helophoridae (water scavenger beetle)										
<i>Helophorus linearis</i>								X		
Hydrophilidae (water scavenger beetles)										
<i>Berosus infuscatus</i>						X	X			
<i>Berosus pantherinus</i>							X			
<i>Enochrus cinctus</i>						X				X
<i>Enochrus hamiltoni</i>										X
<i>Hydrochara spangleri</i>							X			
<i>Hydrophilus triangularis</i>						X				
<i>Tropisternus sp.</i>										X
<i>Tropisternus blatchleyi</i>										X
<i>Tropisternus collaris</i>						X				
<i>Tropisternus lateralis</i>										X
<i>Tropisternus mixtus</i>							X			

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			<i>Tropisternus natator</i>						X	
			Noteridae (burrowing water beetles)							
			<i>Hydrocanthus sp.</i>							X
			<i>Hydrocanthus iricolor</i>		X					X
			<i>Suphisellus puncticollis (New state record)</i>		X					X
			Phengodidae (glowworm beetle)							
			<i>Phengodes sp.</i>							
			Scarabaeidae							
			<i>Ataenius sp. TERRESTRIAL</i>			X				
			<i>Copris minutus TERRESTRIAL</i>			X				
			<i>Diplotaxis sp. TERRESTRIAL</i>			X				
			<i>Phyllophaga sp. TERRESTRIAL</i>			X				
			<i>Tomarus gibbosus TERRESTRIAL</i>			X				
			Scirtidae (marsh beetles)							
			<i>Cyphon sp.</i>				X		X	X
			Diptera (flies)							
			Ceratopogonidae (biting midges)			X				
			Chaoboridae (phantom midge)							
			<i>Chaoborus sp.</i>							X
			Chironomidae (non-biting midges)				X		X	X
			<i>Ablabesmyia sp.</i>							
			<i>Cryptochironomus sp.</i>							
			<i>Endochironomus sp.</i>							
			<i>Glyptotendipes sp.</i>							
			<i>Polypedilum sp.</i>							
			<i>Thienemannimyia sp.</i>							
			Culicidae (mosquitoes)				X			
			<i>Anopheles sp.</i>				X			
			Muscidae							
			Simuliidae (blackflies)							
			<i>Simulium sp.</i>				X			
			Tabanidae (horse and deerflies)							
			<i>Tabanus/Whitneyomia/Atylotus sp.</i>							X
			Ephemeroptera (mayflies)							
			Baetidae							
			<i>Callibaetis sp.</i>				X			
			<i>Callibaetis fluctuans</i>				X			
			<i>Labiobaetis propinquus</i>				X			
			Caenidae							
			<i>Caenis diminuta</i>						X	
			<i>Caenis latipennis</i>			X	X		X	
			<i>Caenis punctata</i>				X			
			Ephemeridae							
			<i>Hexagenia limbata</i>				X		X	
			Heptageniidae							
			<i>Nixe sp.</i>				X			
			<i>Stenacron interpunctatum</i>				X		X	
			Hemiptera (true bugs)							
			Belostomatidae (giant water bug)							X
			Corixidae (water boatmen)					X	X	
			<i>Hesperocorixa obliqua</i>							X
			<i>Palmarcorixa buenoi</i>			X	X			
			<i>Sigara alternata</i>		X					
			<i>Sigara grossolineata</i>							
			<i>Trichocorixa calva</i>				X			
			Gerridae (water strider)							
			<i>Aquarius remigis</i>							X
			Naucoridae (creeping water bug)							
			<i>Pelocoris femoratus</i>				X			X
			Nepidae (water scorpions)							
			<i>Nepa apiculata</i>						X	
			<i>Ranatra sp.</i>							X
			<i>Ranatra nigra</i>				X		X	
			Notonectidae (backswimmers)							
			<i>Bueuo a confusa</i>							X
			<i>Notonecta undulata</i>							X
			Pleidae (pygmy backswimmers)							
			<i>Neoplea sp.</i>						X	X
			Hymenoptera							
			Ichneumonidae							

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			<i>Enicospilus sp.</i>		X				
			<i>Ctenopelmatinae (subfamily)</i>		X				
		Lepidoptera							
		Crambidae							
			<i>Elophila sp.</i>						X
		Megaloptera (alderflies and dobsonflies)							
		Corydalidae							
			<i>Corydalus rastricornus</i>		X				
		Sialidae							
			<i>Sialis sp.</i>			X	X	X	
		Odonata (damselflies and dragonflies)							
		Aeshnidae							
			<i>Anax junius</i>						X
			<i>Nasiaeschna pentacantha</i>			X			
		Coenagrionidae							
			<i>Argia sp.</i>				X	X	
			<i>Coenagrion/Enallagma sp.</i>					X	X
			<i>Enallagma sp.</i>				X	X	
		Corduliidae							
			<i>Epitheca princeps</i>						
		Gomphidae							
			<i>Arigomphus submedianus</i>				X		
		Lestidae							
			<i>Lestes congener</i>						X
		Libellulidae							
			<i>Erythemis simplicicollis</i>	X					X
			<i>Libellula luctuosa</i>						X
			<i>Pachydiplax longipennis</i>	X					X
			<i>Sympetrum vicinum</i>						X
			<i>Tramea lacerata</i>						X
		Plecoptera (stoneflies)							
		Perlodidae							
			<i>Isoperla bilineata</i>						
		Trichoptera (caddisflies)							
		Hydropsychidae							
			<i>Cheumatopsyche sp.</i>				X		
		Hydroptilidae					X	X	
			<i>Hydroptila sp.</i>					X	
		Leptoceridae					X		
			<i>Nectopsyche diarina</i>					X	
			<i>Oecetis sp.</i>				X	X	X
		Limnephilidae							
			<i>Pycnopsyche sp.</i>				X	X	
		Polycentropodidae							
			<i>Polycentropus sp.</i>						
		Malacostraca							
		Amphipoda (scuds)							
		Hyaellidae							
			<i>Hyaella sp.</i>				X	X	
		Decapoda (crayfish)							
		Cambaridae					X	X	
		Isopoda (aquatic sowbug)							
		Asellidae							
			<i>Caecidotea sp.</i>			X	X		
		Mollusca							
		Bivalvia (mussels)							
		Veneroida							
		Pisidiidae							
			<i>Musculium sp.</i>						X
		Gastropoda (snails)							
		Basommatophora							
		Physidae							
			<i>Physa sp.</i>				X	X	
		Planorbidae							X
			<i>Helisoma anceps</i>					X	X
		Platyhelminthes (flatworms)							
		Trepaxonemata							
		Neoophora							
		Dugesiidae							
			<i>Girardia sp.</i>				X		

116 distinct taxa as of 11/7/2017.

Prepared by Todd Hubbard Limnologist

Individuals providing Identification assistance

Darin Grulkowski (UI_SHL)- Chironomidae (non-biting midges)

David Wahl (UT St. Univ)- Hymenoptera, specifically Ichneumonidae wasps

Ken Tennessen (retired TN Valley Authority) - Odonata (dragonflies and damselflies)

Kurt Schmude(UW-Superior) - Coleoptera (aquatic beetles)

Frederic Govich(Univ. Southern UT) - Hirudinea (leeches)

Greg Courtney (ISU) - Diptera (flies)

Ed Freese (Iowa hobbyist) - Coleoptera (ground and terrestrial beetles)

Paul Lago (Univ of MS)- Coleoptera (ground and terrestrial beetles)

Dave Etnier (Univ of TN) - Trichoptera (caddisflies)

Steve Burian (Southern CT St. Univ) - Ephemeroptera (mayflies)