

INSECTS OF HUNTING AND KNOXVILLE CREEKS***

(adapted from the research of Dr. Vincent Resh)

ORDER/COMMON NAME	FAMILY	SPECIES	HABITAT*	FEEDING*
Odonata				
Dragonflies, Damselflies	Aeshnidae	<i>Anax sp. #1</i>	LE	P
	Coenagrionidae	<i>Argia sp. #1</i>	LE, LO	P
		OTU #1x		
	Lestidae	<i>Archilestes sp. #1</i>		P
	Libellulidae	OTU #1	LE	P
Ephemeroptera				
Mayflies	Baetidae	<i>Baetis tricaudatus</i>	LO	C
	Caenidea	<i>Caenis sp. #1</i>	LO	C
	Ephemerellidae	<i>Ephemerella sp. #1</i>	LO	C
	Heptageniidae	<i>Rithrogena sp.#1</i>	LO	C
		OTU #1		
	Leptophlebiidae	<i>Paraleptophlebiidae sp. #1</i>	LO	C
	Ameletidae	<i>Ameletus sp. #1</i>	LO	S
				C
	Tricorythidae	<i>Tricorythodes sp. #1</i>	LO	C
Plecoptera				
Stoneflies	Chloroperlidae	<i>Swelsta sp. #1</i>	?	P
		OTU #1		
	Nemouridae	<i>Amphimemura sp. #1</i>	LO	SH
	Perlidae	<i>Calineuria californica</i>	LO	P
	Perlodidae	<i>Isoperlinae sp. #1</i>	LO	P
Hemiptera				
	Corixidae	<i>Neocorixa sp. #1</i>	LE	P
	Gerridae	<i>Gerris sp. #1</i>	LO	P
Megaloptera				
Dobsonflies	Corydalidae	<i>Dysmicohermes sp. #1</i>	LO	P
		<i>Neohermes sp. #1</i>	LO	P
	Sialidae	<i>Sialis sp. #1</i>		P
Trichoptera				
Caddisflies	Brachycentridae	<i>Micrasema sp.#1</i>	LO	SH, C
	Glossomatidae	<i>Agapetus sp. #1</i>	LO	S
				C
	Hydropsychidae	<i>Cheumatopsyche sp. #1</i>	LO	C
		<i>Hydopsyche sp. #1</i>	LO	C
Microcaddis	Hydroptilidae	<i>Hydroptila sp. #1</i>	LO	H
		<i>Ochrotrichia sp. #1</i>	LO	C
		<i>Ochrotrichia sp. #2</i>	LO	C
		<i>Oxyethria sp. #1</i>		C, H
	Lepidostomatidae	<i>Lepidostoma sp. #1</i>	LO	S
	Philipotamidae	<i>Chimarra sp. #1</i>	LO	C
		<i>Wormalidia sp. #1</i>	LO	C
	Psychomiidae	<i>Tinodes sp. #1</i>	LO	S, C
	Rhyacophilidae	<i>Ryacophila sp. #1</i>	LO	P, S

	Sericostomatidae	<i>Gumaga nigricula</i>	LO	SH
Lepidoptera	Pyralidae	<i>Petrophila sp. #1</i>		S, H
Coleoptera				
Predaceous diving beetles	Dytiscidae	<i>Agabus sp. #1</i>	LE, LO	P
		<i>Hydroporus sp. #1</i>	LE, LO	P
Riffle beetles	Elmidae	<i>Microcyloepus sp. #1</i>	LO	
		<i>Optioservus sp. #1</i>	LO	S, C
Whirligig beetle	Gyrinidae	<i>Gyrinus sp.#1</i>		S, SC
Crawling water beetle	Halipidae	<i>Peltodytes sp. #1</i>	LE	P, H
Water scavenger	Hydroptilidae	<i>Tropisternus sp.#1</i>	LE, LO	P, C
Water pennies	Psephenidae	<i>Eubrianax sp.#1</i>	LO	S
		<i>Psephenus sp.#1</i>	LO	S
Diptera	Blephariceridae	<i>Agathon sp. #1</i>	LO	S
		<i>Blepharicera sp.#1</i>	LO	S
	Ceratopogonidae	<i>Forcipomyia sp.#1</i>	LE, LO	S
		<i>Palpomyia/Bezzia sp.#1</i>	LE, LO	P
		<i>Palpomyia/Bezzia sp.#2</i>	LE, LO	P
Midges	Chironomidae	<i>OTU #1-12</i>	LE, LO	C, P
		<i>Pupae</i>		
Mosquitoes	Culicidae	<i>Anopheles sp. #1</i>	LE, LO	C
		<i>Culex sp. #1</i>	LE	C
Dixid midges	Dixidae	<i>Dixa/Dixella OTU#1</i>	?	C
	Dolichopodidae	<i>OTU #1</i>	LE, LO	P
Shore/Brine flies	Ephydriidae	<i>Scatella sp.#1</i>	LE	C
	Empididae	<i>Hemerodromia sp.#1</i>	LO	P, C
		<i>OTU #1</i>		
	Psychodidae	<i>Maruina sp.#1</i>		
		<i>Simulium/Prosimulium</i>		
Black flies	Simuliidae	<i>OTU #1</i>	LO	C
Soldier flies	Stratiomyidae	<i>Euparyphus sp. #1</i>	LO	C
		<i>Euparyphus sp. #2</i>	LO	C
		<i>Myxosargus sp. #1</i>	?	
Horse/Deer flies	Tabanidae	<i>Chrysops sp.#1</i>	LE, LO	P
		<i>Tabanus sp.#1</i>	LE, LO	P
Crane flies	Tipulidae	<i>Antocha sp. #1</i>	LO	SH, C
		<i>Dicranota #1</i>	LE, LO	P
		<i>Hexatoma sp. #1</i>	LO	P
		<i>Limonia sp. #1</i>	LE, LO	P
		<i>Molophilus sp. #1</i>	LE, LO	SH
Arcina		<i>OTU #1</i>		
Cladocera		<i>OTU #2</i>		
Copepoda		<i>OTU #3</i>		
Gastropoda	Physidae	<i>OTU #1</i>		
	Planorbidae	<i>OTU #1</i>		
Nematoda		<i>OTU #1</i>		
Oligochaeta		<i>OTU #1</i>		
Ostracoda		<i>OTU #1</i>		
Tricladida	Planariidae	<i>OTU #1</i>		

Explanations:

OTU = operational taxonomic unit

*LE=lentic (stream); LO=lotic (lake)

**P=predator; S=scrapper; C=collector; H=herbivore; SC=scavenger; SH=shredder

***No detailed species list for Davis Creek