

Sonoma State University  
 Field Stations & Nature Preserves  
 Fairfield Osborn Preserve Aquatic Insects  
 Compiled by Larry Serpa and Kathy Biggs

Order	Family	Scientific Name	Common Name	Observer	Stage	Abundance	Habitat	Photo
<b>Trichoptera</b>								
	<b>Calamoceratidae</b>	<i>Heteroplectron calicornicum</i>		L. Serpa	im*,ad	vc	pools	x
	<b>Glossosomatidae</b>	<i>Agapetus taho</i>		L. Serpa	im*,ad	vc	riffles and falls	
		<i>Anagapetus sp.</i>		L. Serpa	im*,ad	vc	riffles and falls, reared from perennial Courtship Crk	
	<b>Hydropsychidae</b>	<i>Glossosoma califica</i>		L. Serpa	im*,ad	vc	riffles	
		<i>Ceratopsyche oslari</i>		L. Serpa	im*, ad	vc	riffles	
		<i>Homoplectra norada</i>		L. Serpa	im*,ad	c	faster flow areas draining seeps around Cattail Pond	x
		<i>Homoplectra oaklandensis</i>		L. Serpa	im*,ad	u	riffles	
		<i>Hydropsyche philo</i>		L. Serpa	im*,ad	c	in riffles at Courtship Creek	
		<i>Parapsyche almota</i>		L. Serpa	im, ad	c	riffles Courtship Crk	
		<i>Hydroptila rono</i>		L. Serpa	im*, ad	vc	pools, riffles, stream rocks and <i>Cladophora</i> algae	
	<b>Hydroptilidae</b>	<i>Neotrichia sp.</i>		L. Serpa	ad		larvae found on <i>Cladophora</i>	
		<i>Ochrotrichia sp.</i>		L. Serpa	im*, ad	c	pools and riffles, on <i>Cladophora</i> algae	x
		<i>Ochrotrichia sp.</i>		L. Serpa	ad			
	<b>Lepidostomatidae</b>	<i>Lepidostoma cantha</i>		L. Serpa	im*, ad	**	very common in lowland portion of Copeland Creek	
		<i>Lepidostoma cinereum</i>		L. Serpa	im*, ad	c	pools. down stream of main slump	
		<i>Lepidostoma roafi</i>		L. Serpa	im*, ad	vc	pools	
		<i>Lepidostoma unicolor</i>		L. Serpa	im*, ad	vc	pools	
	<b>Limnephilidae</b>	<i>Clostoea disjunctus</i>		L. Serpa	im*, ad	c	Courtship Creek mating season in May, larvae not found.	
		<i>Neophylax rickeri</i>		L. Serpa	im*, ad	vc	riffles, falls, pools, capillary wet area on rocks	x
		<i>Psychoglypha bella</i>		L. Serpa	im*, ad	c	slow flow regions of Courtship Creek, elsewhere uncommon	
	<b>Odontoceridae</b>	<i>Nerophilus californicus</i>		L. Serpa	im*, ad	vc	in riffles and pools in Courtship Creek, uncommon elsewhere	x
		<i>Parthina vierra</i>		L. Serpa	im*, ad	c	riffles and pools, but usually buried in substrate	
	<b>Philopotamidae</b>	<i>Dolophilodes novusamericanus</i>		L. Serpa	im*, ad	vc	wooded section of Courtship Creek, seeps near Cattail Pond	x
		<i>Wormaldia gabriella</i>		L. Serpa	im*, ad	r as im	riffles	
		<i>Wormaldia sisko</i>		L. Serpa	ad	r as im	riffles	
	<b>Polycentropodidae</b>	<i>Polycentropus halidus</i>		L. Serpa	im*, ad	vc	bottom of pools	x
	<b>Psychomyiidae</b>	<i>Tinodes sigodana</i>		L. Serpa	im*, ad	c	concrete impoundment near the mouth of Trillium Creek	
	<b>Rhyacophilidae</b>	<i>Rhyacophila angelita</i>		L. Serpa	im*, ad	u	riffles	
		<i>Rhyacophila ecosa</i>		L. Serpa	ad	c	larvae was not found at the preserve	
		<i>Rhyacophila grandis</i>		L. Serpa	im*, ad	c	riffles pools and falls	x
		<i>Rhyacophila hyalineata</i>		L. Serpa	im*, ad	c	riffles and falls	x
		<i>Rhyacophila narvae</i>		L. Serpa	im*, ad	r	seep areas	
		<i>Rhyacophila neograndis</i>		L. Serpa	im*, ad	u	riffles and falls	
		<i>Rhyacophila norcuta</i>		L. Serpa	im*, ad	u	riffles and falls	
		<i>Rhyacophila oreta</i>		L. Serpa	ad	r	no larvae found on preserve and only one adult	
		<i>Rhyacophila vedra</i>		L. Serpa	im*, ad	vc	riffles and pools	x
	<b>Sericostomatidae</b>	<i>Gumaga griseola</i>		L. Serpa	im	r	pools	
<b>Plecoptera</b>								
	<b>Capniidae</b>	<i>Bolshecapnia maculata</i>		L. Serpa	ad	r		

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		<i>Capnia californica</i>		L. Serpa	im, ad	r		
		<i>Capnia excavata</i>		L. Serpa	im*, ad	c	riffles	
		<i>Eucapnosis brevicauda</i>		L. Serpa	ad	u	no nymphs found at preserve	
		<i>Mesocapnia projecta</i>		L. Serpa	im, ad	r		
	<b>Chloroperlidae</b>	<i>Kathroperla perdita</i>		L. Serpa	im, ad	c	nymphs not found prob hyporheic	x
		<i>Sweltsa borealis</i>		L. Serpa	im*, ad	c	riffles and pools	
		<i>Sweltsa fraterna</i>		L. Serpa	im*, ad	vc	riffles and pools	
		<i>Sweltsa tamalpa</i>		L. Serpa	im*, ad	c	riffles and pools	
	<b>Leuctridae</b>	<i>Despaxia augusta</i>		L. Serpa	im, ad	u	riffles	x
		<i>Perlomyia collaris</i>		L. Serpa	ad	c	no nymphs found, nymphs probably hyporheic	x
		<i>Paraleuctra divisa</i>		L. Serpa	ad	c	nymphs not found prob hyporheic	
		<i>Paraleuctra occidentalis</i>		L. Serpa	ad	vc	nymphs not found prob hyporheic	
		<i>Paraleuctra vershina</i>		L. Serpa	ad	vc	nymphs not found prob hyporheic	
	<b>Nemouridae</b>	<i>Malenka depressa</i>		L. Serpa	im*, ad	vc	riffles, pools and seeps	x
		<i>Soyedina producta</i>		L. Serpa	im*, ad	u	riffles and pools	
		<i>Zapada frigida</i>		L. Serpa	im*, ad	im r, ad c	nymphs are probably hyporheic	x
	<b>Peltoperlidae</b>	<i>Soliperla thyra</i>		L. Serpa	im*, ad	vc	riffles, pools, falls, capillary wet area on rocks	x
	<b>Perlidae</b>	<i>Calineuria californica</i>		L. Serpa	im*, ad	vc	riffles and pools	x
	<b>Perlodidae</b>	<i>Kogotus nonus</i>		L. Serpa	im*, ad	u	riffles	x
	<b>Taeniopterygidae</b>	<i>Oemopteryx vanduzeei</i>		L. Serpa	im*, ad	c	riffles and pools	
		<i>Taenionema californicum</i>		L. Serpa	im*, ad	c	riffles and pools	
<b>Ephemeroptera</b>								
	<b>Baetidae</b>	<i>Baetis divinctus</i>		L. Serpa	im*, ad	vc	riffles and pools	
		<i>Baetis piscatoris</i>		L. Serpa	im*, ad	vc	riffles and pools	
		<i>Baetis tricaudatus</i>		L. Serpa	im*, ad	vc	riffles and pools	x
		<i>Callibaetis californicus</i>		L. Serpa	im*, ad	u	pools	
		<i>Centroptilum sp.</i>		L. Serpa	im	r	riffles	
	<b>Ephemerellidae</b>	<i>Drunella flavilinea</i>		L. Serpa	im*, ad	c	riffles, falls	x
		<i>Serratella teresa</i>		L. Serpa	im*, ad	u	falls, riffles, pools	
	<b>Heptageniidae</b>	<i>Cinygma integrum</i>		L. Serpa	im*, ad	vc	pools	x
		<i>Cinygmula mimus</i>		L. Serpa	im*, ad	u	riffles	
		<i>Epeorus longimanus</i>		L. Serpa	im*, ad	c	riffles and falls	x
		<i>Ironodes californicus</i>		L. Serpa	im*, ad	vc	riffles and falls	x
		<i>Ironodes sp.</i>		L. Serpa	im*, ad	?	new spp, this one smlr than <i>I. Californicus</i>	
		<i>Nixe rosea</i>		L. Serpa	im*, ad	vc	pools	x
	<b>Leptophlebiidae</b>	<i>Paraleptophlebia associata</i>		L. Serpa	im*, ad	vc	pools and riffles	
		<i>Paraleptophlebia debilis</i>		L. Serpa	im*, ad	vc	pools and riffles	x
		<i>Paraleptophlebia temporalis</i>		L. Serpa	im*, ad	vc	riffles and pools	
	<b>Siphonuridae</b>	<i>Ameletus dissitus</i>		L. Serpa	im*, ad	vc	riffles and pools	x
		<i>Ameletus facilis</i>		L. Serpa	im*, ad	vc	riffles and pools	x
	<b>Tricorythodes</b>	<i>Tricorythodes minutus</i>		L. Serpa	im*, ad	u	pools	
<b>Odonata</b>								
	<b>Coenagrionidae</b>	<i>Argia vivida</i>	Vivid Dancer	L. Serpa, K. Biggs	im	vc	seepage and riffles of upr Courtship Crk, common rest of stream sys	x
		<i>Argia nahuana</i>		K. Biggs				
		<i>Ishnura perparva</i>	Western Forktail	L. Serpa, K. Biggs	im	u	mostly in slow moving vegetated areas in Courtship Crk	
		<i>Ishnura ramburii</i>		L. Serpa	im	u	mostly in slow moving vegetated areas in Courtship Crk	
		<i>Ishnura cervula</i>	Pacific Forktail	K. Biggs				

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		<i>Enallagma cyathigerum/boreale</i>	Northern/Boreal Bluet	K. Biggs				
		<i>Enallagma carunculatus</i>	Tule Bluet	K. Biggs				
		<i>Enallagma praevarum</i>	Arroyo Bluet	K. Biggs				
		<i>Telebasis salva</i>	Desert Firetail	K. Biggs				
	<b>Cordulegastridae</b>	<i>Cordulegaster dorsalis</i>	Pacific Spiketail	L. Serpa, K. Biggs	im, ad	u	usually covered with debris	x
	<b>Corduliidae</b>							
		<i>Epiheca canis</i>	Beaverpond Baskettail					
	<b>Aeshnidae</b>							
		<i>Aeshna palmata</i>		L. Serpa	im	?	?	
		<i>Aeshna umbrosa</i>	Shadow Darner	K. Biggs				
		<i>Anax junius</i>	Common Green Darner	K. Biggs				
		<i>Rhionaeschna californica</i>	California Darner	K. Biggs				
		<i>Rhionaeschna multicolor</i>	Blue-eyed Darner	K. Biggs				
	<b>Gomphidae</b>							
		<i>Octogomphus specularis</i>		L. Serpa	im	c	?	
		<i>Gomphus kurillii</i>	Pacific Clubtail	K. Biggs				
		<i>Octogomphus specularis</i>	Grappletail	K. Biggs				
	<b>Lestidae</b>							
		<i>Archilestes californica</i>	California Spreadwing	L. Serpa, K. Biggs	im	u	pools	
		<i>Archilestes grandis</i>	Great Spreadwing	K. Biggs				
		<i>Lestes congener</i>	Spotted Spreadwing	K. Biggs				
		<i>Lestes disjunctus</i>	Northern Spreadwing	K. Biggs				
		<i>Lestes stultus</i>	Black Spreadwing	K. Biggs				
	<b>Calopterygidae</b>	<i>Amphiagrion abbreviatum</i>	Western Red Damsel	K. Biggs				
	<b>Dryopidae</b>	<i>Helichus colmbianus</i>		L. Serpa			CC	
	<b>Dytiscidae</b>	<i>Asclius semisulcatus</i>		L. Serpa			CC	
		<i>Agabus lutosus</i>		L. Serpa			CC	
		<i>Agabus walsinghami</i>		L. Serpa			CC	
		<i>Coptomus difficilis</i>		L. Serpa				
		<i>Deronectes striatellus</i>		L. Serpa				
		<i>Dytiscus marginicollis</i>		L. Serpa				
		<i>Hydroporus fortis</i>		L. Serpa				
		<i>Hydroporus vilis</i>		L. Serpa				
	<b>Elmidae</b>	<i>Lara avarca</i>		L. Serpa				
		<i>Narpus concolor</i>		L. Serpa				
		<i>Ordobrevia nubifera</i>		L. Serpa				
	<b>Gyrinidae</b>	<i>Gyrinus plicifer</i>		L. Serpa				
	<b>Helodidae</b>	<i>Elodes</i> sp.		L. Serpa				
	<b>Hydraenidae</b>	<i>Ochthebius discretus</i>		L. Serpa				
	<b>Hydrophilidae</b>	<i>Ametor latus</i>		L. Serpa				
		<i>Ametor scabrosus</i>		L. Serpa				
		<i>Crenitis rufiventris</i>		L. Serpa				
		<i>Crenitis seriellus</i>		L. Serpa				
		<i>Cercyon kulzeri</i>		L. Serpa				
		<i>Helophorus</i> sp.		L. Serpa				
		<i>Tropisternus obscurus</i>		L. Serpa				
	<b>Libellulidae</b>	<i>Erythemis collocata</i>	Western Pondhawk	K. Biggs				
		<i>Libellula forensis</i>	Eight-spotted Skimmer	K. Biggs				
		<i>Libellula luctuosa</i>	Widow Skimmer	K. Biggs				
		<i>Libellula lydia</i>	Common Whitetail	K. Biggs				
		<i>Libellula saturata</i>	Flame Skimmer	K. Biggs				
		<i>Pachydiplax longipennis</i>	Blue Dasher	K. Biggs				

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		<i>Pantala flavescens</i>	Wandering Glider	K. Biggs				
		<i>Pantala hymenaea</i>	Spot-winged Glider	K. Biggs				
		<i>Sympetrum corruptum</i>	Variiegated Meadowhawk	K. Biggs				
		<i>Sympetrum illotum</i>	Cardinal Meadowhawk	K. Biggs				
		<i>Sympetrum madidum</i>	Red-veined Meadowhawk	K. Biggs				
		<i>Sympetrum pallipes</i>	Striped Meadowhawk	K. Biggs				
		<i>Tramea lacerate</i>	Black Saddlebags	K. Biggs				
	<b>Psephenidae</b>	<i>Achneus quadrimaculatus</i>		L. Serpa				
		<i>Eubrianax edwardsii</i>		L. Serpa				
<b>Diptera</b>								
	<b>Anthomyiidae</b>	<i>Limnophora aequifrons</i>		L. Serpa				
	<b>Blephariceridae</b>	<i>Agathon comstocki</i>		L. Serpa				
		<i>Agathon doanei</i>		L. Serpa				
	<b>Ceratopogonidae</b>	<i>Morhelea sp.</i>		L. Serpa				
		<i>Palmomyia flavipes</i>		L. Serpa				
	<b>Chironomidae</b>	<i>Brillia sp.</i>		L. Serpa				
		<i>Calopsecta sp.</i>		L. Serpa	im*, ad			
		<i>Metriocnemus sp.</i>		L. Serpa	im*, ad			
		<i>Tanytarsus sp.</i>		L. Serpa	im*, ad			
	<b>Culicidae</b>	<i>Anopheles sp.</i>		L. Serpa				
		<i>Culiseta incidens</i>		L. Serpa				
	<b>Dixidae</b>	<i>Dixa chaloensis</i>		L. Serpa	im*, ad			
	<b>Dolichopodidae</b>	<i>Camsicnemus degener</i>		L. Serpa				
		<i>Dolichopus crenatus</i>		L. Serpa				
		<i>Dolichopus tenuipes</i>		L. Serpa				
	<b>Ephyridae</b>	<i>Ochthera mantis</i>		L. Serpa				
		<i>Scatophalia sp.</i>		L. Serpa				
	<b>Muscidae</b>	<i>Lispocephalia sp.</i>		L. Serpa				
	<b>Psychodidae</b>	<i>Maruina lanceolata</i>		L. Serpa				
	<b>Simuliidae</b>	<i>Cnephia sp.</i>		L. Serpa	im*, ad			
		<i>Prosimulium sp.</i>		L. Serpa				
		<i>Simulium argus</i>		L. Serpa				
		<i>Simulium canadense</i>		L. Serpa				
		<i>Simulium piperi</i>		L. Serpa	im* ad			
	<b>Stratiomyidae</b>	<i>Euparypus sp.</i>		L. Serpa	im* ad			
		<i>Stratiomys sp.</i>		L. Serpa				
	<b>Sciomyidae</b>	<i>not listed</i>	<i>not listed</i>	L. Serpa				
	<b>Tipulidae</b>	<i>Dicranota sp.</i>		L. Serpa				
		<i>Hexatoma sp.</i>		L. Serpa				
		<i>Holorusia rubiginosa</i>		L. Serpa				
		<i>Limnophila sp.</i>		L. Serpa				
		<i>Limonia defuncta</i>		L. Serpa				
		<i>Limonia humidicola</i>		L. Serpa				
		<i>Tipula sp.</i>		L. Serpa				
<b>Hemiptera</b>								
	<b>Belostomatidae</b>	<i>Lethocerus americanus</i>		L. Serpa		r	mostly in slow moving vegetated areas in Courtship Crk	
	<b>Corixidae</b>	<i>Graptocorixa californica</i>		L. Serpa		vc	pools	x
	<b>Gerridae</b>	<i>Gerris remigis</i>		L. Serpa		vc	pools	x
	<b>Macroveliidae</b>	<i>Macrovelia homii</i>		L. Serpa		vc	along edges of streams where water is very slow	

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	<b>Nepidae</b>	<i>Ranatra brevicollis</i>		L. Serpa		r	mostly in slow moving vegetated areas in Courtship Crk	
	<b>Notonectidae</b>	<i>Notonecta kirbyi</i>		L. Serpa		vc	pools	
	<b>Saldidae</b>	<i>Saldula pexa</i>		L. Serpa		r	along stream adjacent to main slump	
	<b>Veliidae</b>	<i>Microvelia californiensis</i>		L. Serpa		vc	along edges of streams where water is very slow	
<b>Megaloptera</b>								
	<b>Corydalidae</b>	<i>Neohermes filicornis</i>		L. Serpa	im		substrate	x
	<b>Sialidae</b>	<i>Sialis californica</i>		L. Serpa	im		debris on bottom of stream pool, in concentrations of silt in holes	x
<b>Coleoptera</b>								
	<b>Dryopidae</b>	<i>Helichus columbianus</i>		L. Serpa				
	<b>Dytiscidae</b>	<i>Asclius semisulcatus</i>		L. Serpa	ad		stream bottom	
		<i>Agabus lutosus</i>		L. Serpa				
		<i>Agabus walsinghami</i>		L. Serpa	ad		streams and pools	
		<i>Agabus sp.</i>		L. Serpa	im			x
		<i>Coptomus difficilis</i>		L. Serpa				
		<i>Deronectes striatellus</i>		L. Serpa	ad			x
		<i>Dytiscus marginicollis</i>		L. Serpa	ad		pool in Aralia Crk at night, usu ponds and vernal pools	
		<i>Hydroporus fortis</i>		L. Serpa				
		<i>Hydroporus vilis</i>		L. Serpa				
	<b>Elmidae</b>	<i>Lara avara</i>		L. Serpa				x
		<i>Narpus concolor</i>		L. Serpa				
		<i>Ordobrevia nubifera</i>		L. Serpa				
	<b>Gyrinidae</b>	<i>Gyrinus plicifer</i>		L. Serpa				
	<b>Helodidae</b>	<i>Elodes sp.</i>		L. Serpa				
	<b>Hydraenidae</b>	<i>Ochthebius discretus</i>		L. Serpa				
	<b>Hydrophilidae</b>	<i>Ametor latus</i>		L. Serpa				
		<i>Ametor scabrosus</i>		L. Serpa				
		<i>Crenitis rufiventris</i>		L. Serpa				
		<i>Crenitis seriellus</i>		L. Serpa				
		<i>Cercyon kulzeri</i>		L. Serpa				
		<i>Helophorus sp.</i>		L. Serpa				
		<i>Tropisternus obscurus</i>		L. Serpa				
	<b>Psephenidae</b>	<i>Achneus quadrimaculatus</i>		L. Serpa				
		<i>Eubrianax edwardsii</i>		L. Serpa				x