

N 1 P 1 R
16 Sep 34 Sep 42 Sep

September & November Sampling Trips - taxa list by site and date

			Swamp & Sampling Trip																				42
			2	2	3	3	10	10	12	12	14	14	33	33	34	34	37	37	42			42	
ORDER	FAMILY	SPECIES	Sept	Nov	Sept	Nov	Sept	Nov	Sept	Nov	Sept	Nov	Sept	Nov	Sept	Nov	Sept	Nov	Sept	Nov	Sept	Nov	
Mollusca-Gastropoda		<i>Gastropoda sp.</i>													1								
	Ancylidae	<i>Ferrisia petterdi</i>						1					1				1	1	1			1	
	Planorbidae	<i>Physastra sp.</i>					1						1					1	1	1		1	
Turbellaria		<i>Turbellaria spp</i>			1												1					1	
Annelida - Oligochaeta		<i>Oligochaeta sp.</i>												1									
Oribatida		<i>Oribatida spp.</i>		1			1	1	1				1	1		1	1				1	1	
Hydracarina	Eylaidae	<i>Eylais sp. A</i>					1						1		1							1	
	Pionidae	<i>Acercella falcipes</i>	1		1		1				1	1						1					
		<i>Piona murleyi</i>			1		1		1	1	1	1					1		1				
		<i>Pionidae sp.</i>					1																
	Limnesiidae	<i>Limnesia sp. A</i>			1	1					1	1	1					1	1				
	Arrenuridae	<i>Arrenurus sp. A</i>			1	1																	
Mesostigmata		<i>Mesostigmata sp.</i>					1										1						
Concostraca	Limnadiidae	<i>Eulimnadia sp.</i>					1						1								1		
	Lynceidae	<i>Lynceus sp.</i>	1		1		1		1												1		
Anostraca																							
Cladocera	Daphniidae	<i>Daphnia carinata</i>	1		1		1		1		1		1		1	1					1		
Ostracoda	Cyprididae	<i>Alboa worooa</i>									1					1					1		
		<i>Cypretta sp. 272</i>	1	1				1	1	1	1	1	1	1		1	1	1	1	1	1		
		<i>Cypretta baylyi</i>					1			1					1								
		<i>Cypretta aff globulosa</i>										1		1	1	1				1	1		
		<i>Cypretta sp. 441</i>									1	1											
		<i>Cypericercus sp. 442</i>	1					1						1									
		<i>Bennelongia australis</i>		1	1	1	1	1	1	1	1	1	1	1	1			1	1	1	1		
		<i>Bennelongia sp. 277</i>					1	1					1		1								
		<i>Candonocypris novaezelandiae</i>									1												
		<i>Ilyodromus sp. 255</i>									1												
		<i>Sarscypridopsis aculeata</i>							1	1					1		1	1			1		
		<i>Strandesia sp. 436</i>		1	1	1	1											1			1	1	
		<i>Eucypris virens</i>																	1				
Copepoda	Centropagidae	<i>Boeckella robusta</i>	1				1				1		1					1		1			
		<i>Boeckella bispinosa</i>																	1	1			
		<i>Boeckella geniculata</i>																1	1				
		<i>Boeckella sp.</i>					1																
		<i>Calamoecia attenuata</i>	1		1	1					1	1									1		
		<i>C. tasmanica</i>	1	1	1	1	1	1	1		1	1		1	1			1	1	1	1		
		<i>Hemiboeckella andersonae</i>			1			1					1		1								
	Cyclopoidae	<i>Microcyclops sp. EB1</i>																	1	1			
		<i>Mesocyclops sp. EB1</i>	1	1	1				1	1	1	1					1	1		1	1		
		<i>Paracylops chiltoni</i>									1												
	Canthocamptidae	<i>Canthocamptus australicus</i>										1									1	1	

Decapoda	Parastacidae	<i>Cherax tenuimanus</i>							1						1
Amphipoda	Ceinidae	<i>Austrochiltonia subtenuis</i>				1	1		1						
Isopoda	Phreatoicidea	<i>Paramphisopus sp.</i>		1	1				1	1	1	1			
Diptera	Chironomidae														
	Tanytarsini	<i>Paramerina levidensis</i>	1		1				1	1			1		
		<i>Larsia ?albiceps</i>	1	1											
		<i>Ablabesmyia ?notabilis</i>	1		1	1			1	1					
		<i>Procladius paludicola</i>							1						
	Orthoclaadiinae	<i>Corynoneura scutellata</i>	1	1	1	1	1	1	1	1	1	1	1	1	1
		<i>Limnophyes pullulus</i>	1		1	1	1	1	1	1	1	1	1	1	1
		<i>Cricotopus sp.</i>	1	1	1	1	1		1	1			1		
		<i>Orthoclaadiinae sp.</i>		1			1	1	1	1	1			1	
		<i>Orthoclaadiinae ?sp.V44</i>									1			1	
	Chironominae	<i>Dicrotendipes ?conjunctus</i>	1	1	1	1			1						
		<i>Chironomus aff. alternans</i>	1	1		1	1	1	1	1		1			
		<i>Chironomus tepperi</i>					1								
		<i>? Parachironomus sp.</i>	1		1				1						
	Tanytarsini	<i>Tanytarsus sp.</i>		1	1				1	1	1	1	1		
	Culicidae														
	Culicinae	<i>larva 1</i>				1			1		1			1	
		<i>larva 2</i>		1	1				1		1	1			1
		<i>larva 2a</i>			1										
		<i>larva 3</i>				1			1		1				
		<i>larva 4</i>	1				1	1			1				
		<i>larva 4a</i>					1					1			
		<i>larva 5</i>	1				1	1							
		<i>larva 6</i>	1												
		<i>larva 7</i>	1												
		<i>larva 7a</i>			1				1						
		<i>larva 8</i>					1								
	Chaoborinae														
	Stratiomyidae	<i>Stratiomyidae spp.</i>	1		1		1		1		1				1
	Ceratopogonidae	<i>Ceratopogonidae spp.</i>	1		1		1	1		1	1	1	1	1	1
	Ephydriidae	<i>Ephydriidae sp.</i>	1	1			1	1	1			1			1
	Muscidae	<i>Muscidae sp.</i>	1							1					
Odonata - Zygoptera	Coenagrionidae	<i>Ischnura aurora/heterosticta</i>			1		1			1					1
		<i>Ischnura sp.</i>	1										1		
	Lestidae	<i>Austrolestes io</i>					1								
		<i>Austrolestes analis</i>			1	1	1	1	1	1				1	1
		<i>Austrolestes annulosos</i>		1											
Odonata - Anisoptera	Aeschnidae	<i>Aeschnidae sp.</i>	1		1	1	1			1					
		<i>Anax papuensis</i>		1				1							
	Libellulidae	<i>Libellulidae sp.</i>						1							
		<i>Diplacodes bipunctata</i>		1											
Ephemeroptera	Baetidae	<i>Cloeon sp.</i>			1	1									1
Hemiptera	Notonectidae	<i>Anisops hyperion</i>						1	1						
		<i>A. thienemanni</i>						1							

		<i>Anisops sp.</i>	1	1	1	1	1				1	1			1	1				
	Corixidae	<i>Agraptocorixa sp.</i>			1		1		1			1	1			1				
		<i>Micronecta gracilis</i>										1								
		<i>M. robusta</i>			1		1													
		<i>Micronecta sp.</i>				1		1			1					1				
Coleoptera		<i>unknown coleoptera larva</i>						1												
	Dytiscidae	<i>Sternopriscus sp. (l)</i>											1							
		<i>Antiporus femoralis</i>	1		1		1		1			1					1			
		<i>Megaporus sp (l)</i>	1									1			1					
		<i>Homeodytes scutellaris</i>			1	1	1					1								
		<i>Paracymus pygmaeus</i>	1					1	1		1									
		<i>Sternopriscus browni</i>						1	1			1								
		<i>Allodesus bistrigatus</i>	1					1	1			1					1			
		<i>Bidessus sp.</i>	1						1											
		<i>Liodessus ?inornatus</i>			1												1			
		<i>Rhantus suturalis</i>	1					1				1				1				
		<i>Rhantus sp. A larva</i>									1									
		<i>Rhantus sp. B larva</i>							1											
		<i>Dytiscidae sp. ?(SAHV020)</i>															1			
		<i>Hyphydrus sp.</i>						1												
	Haliplidae	<i>Haliplus gibbus/fuscatus</i>			1			1				1								
	Hydrophilidae	<i>Hydrophilidae sp. (l)</i>	1	1	1			1	1	1	1	1			1		1			
		<i>Berosus approximans</i>				1			1			1					1			
		<i>Berosus sp (l)</i>		1								1			1					
		<i>Enochrus sp. (SAHV23)</i>				1														
		<i>Hydrochus sp. (SAHV34)</i>				1														
	Helodidae	<i>Helodidae sp.</i>	1	1	1		1				1	1		1		1				
	Scirtidae	<i>Scirtes sp.</i>															1			
	Curculionidae	<i>Curculionidae sp.</i>										1					1			
	Carabidae	<i>Carabidae sp.</i>			1															
	Limnichidae	<i>Limnichus sp.</i>														1				
Trichoptera	Leptoceridae	<i>Triplectides australis</i>		1		1	1		1	1		1	1		1		1			
		<i>Leptoceridae sp.H</i>									1	1	1							
	Hydroptilidae	<i>Hellyethira malleoforma</i>			1								1	1						
		<i>Hellyethira ?simplex</i>	1					1					1							
Lepidoptera		<i>Lepidoptera sp.</i>		1		1		1	1	1		1			1		1			
Cnidaria	Hydridae	<i>Hydra sp.</i>		1	1	1		1				1		1	1	1	1			
No. Taxa			34	28	35	28	31	22	32	27	25	24	52	18	22	21	25	16	33	25
			2	2	3	3	10	10	12	12	14	14	33	33	34	34	37	37	42	42

Twin Swamps / EB

30-55 spp

Airport 20-40 spp

need to add in cladiocera

reduce no of mosquito spp

Perth Airport Swamps - Western Swamp Tortoise Project

NB - several new groups have been added which may not match previous spread sheets (i.e. conchostracans, collembolla & hydra).

September Sampling Trip - Biomass (g dry wt) (minimum dry weight = 0.0001 g)

SWAMP

TAXA	#2	#3	#10	#12	#13	#14	#33	#34	#37	#42
Tadpoles	0.0188	0.0393	0.1202	0.3156	dry	0	0.2378	0.0008	0	0.4937
Molluscs	0	0	0.0136	0	dry	0	0.1021	0	0.0256	0.2833
Annelids	0	0.0358	0	0	dry	0	0.0001	0.0001	0	0
Hydracarina	0.0001	id	0.0001	0.0001	dry	id	0.0001	0.0001	0.0001	0
Anostracans	0	0	0	0	dry	0	0	0	0	0
Conchostracans	0.0285	0.1871	0.0279	0.0027	dry	0	0.093	0	0	0.001
Cladocera - Daphnia	0.0104	0.0289	0.0804	1.8784	dry	0.1488	0.0001	0.1579	0	0.2541
Cladocera - others	0.0001	0.0131	0	0.1658	dry	0	0.0411	0.0001	0.0079	0
Ostracods	0.0001	0.0523	0.0705	1.0912	dry	0.0273	0.6005	0	0.0757	0.5288
Copepods	0.0001	0.1252	0.0783	0.3059	dry	0.0663	0.3987	0.0233	0.0733	0.1448
Decapods	0	0	0	0	dry	0	0	0.0187	0	0.1277
Amphipods	0	0	0.0008	0.0029	dry	0	0.027	0	0	0
Isopods	0	0.0047	0.0092	0	dry	0	0.1884	0.0032	1.0961	0.4244
Mosquitoes	id	0	id	0.0894	dry	id	id	id	0	0
Chironomids	0.0014	0.0152	0.0006	0.1814	dry	0.005	0.0477	0.0005	0.0006	0.0049
Stratiomyids	0	0	0	0.0001	dry	0	0	0	0	0
Other Diptera	0.0001	0.0001	0	0.0002	dry	0.0002	0.0004	0.0001	0	0
Zygopterans	0	0.0097	0.0026	0.0074	dry	0.0025	0.0087	0	0	0.0562
Anisopterans	0.0006	0.0001	0.0006	0	dry	0	0.0002	0	0	0
Ephemeropterans	0	0	0	0	dry	0	0	0	0	0
Notonectids	id	id	id	id	dry	0	0	0	id	0
Corixids	id	id	id	id	dry	0	0.0231	0	id	0
Coleopterans	0.0144	0.0239	0.0023	0.0567	dry	0.0003	0.0793	0.0058	0.0046	0.1176
Trichopterans	0.0009	0	0.0007	0.0004	dry	0.0017	0.0271	0	0	0.0001
Lepidopterans	0	0	0	0.0001	dry	0	0	0	0	0
Collembolla	0	0	0.0001	0	dry	0	0	0.0001	0	0
Hydra	0	0.0001	0	0	dry	0	0	0	0.0001	0

November Sampling Trip - Biomass (g dry wt)

SWAMP

TAXA	#2	#3	#10	#12	#13	#14	#33	#34	#37	#42
Tadpoles	0	0	0	0	dry	0	0	0	0	0
Molluscs	0	0	0.0001	0	dry	0	0.0001	0.0001	0.0282	0.0037
Annelids	0	0	0	0	dry	0	0	0	0	0.0001
Hydracarina	id	id	0	0.0001	dry	id	0	0	0.0001	id
Anostracans	0	0	0	0	dry	0	0	0	0	0
Conchostracans	0	0	0	0	dry	0	0	0	0	0
Cladocera - Daphnia	0	0	0	0	dry	0	0	0.0009	0	0
Cladocera - others	0	0.0013	0	0.0033	dry	0.0005	0	0.0068	0.0001	0.0037
Ostracods	id	0.0039	0	0.0239	dry	0	0	0.0027	0.0027	0.131
Copepods	id	0.013	0	0.0029	dry	0.0091	0.0161	0.0027	0.0097	0.0374
Decapods	0	0	0	0	dry	0	0	0	0	0
Amphipods	0	0	0	0	dry	0	0	0	0	0
Isopods	0	0	0	0	dry	0	0	0	0	0
Mosquitoes	id	id	0	id	dry	0.0001	0.0001	id	0	id
Chironomids	0.009	0.011	0.0004	0.0042	dry	0.0015	0.0033	0.0012	0.0013	0.0097
Stratiomyids	0.006	0.0003	0	0	dry	0.0001	0.0001	0	0	0.0002
Other Diptera	0.0074	0	0.0002	0.0001	dry	0	0.0002	0.0003	0.0003	0.0003
Zygopterans	0.0218	0.0088	0.0039	0.0185	dry	0	0.0015	0	0.0004	0.0156
Anisopterans	0.0084	0	0.0001	0.0124	dry	0	0	0	0	0
Ephemeropterans	0	0.0003	0.001	0	dry	0	0	0	0	0.0017
Notonectids	id	id	id	id	dry	id	id	id	id	id
Corixids	id	id	id	id	dry	id	id	id	id	id
Coleopterans	0.0038	0.005	0.0012	0.0147	dry	0.0009	0.0001	0	0.0004	0.0009
Trichopterans	0.0278	0.007	0.001	0.0046	dry	0.0025	0.0003	0.0015	0	0.0065
Lepidopterans	0.0001	0.0001	0.0002	0.0001	dry	0.0004	0	0.0001	0	0.0065
Collembolla	0	0	0	0	dry	0	0	0.0001	0	0
Hydra	0.0001	0.0001	0.0001	0	dry	0.0001	0.0008	0.0001	0	0.0001