



ANEXO 1.

CATÁLOGO FOTOGRÁFICO DE FAMILIAS DE MACROINVERTEBRADOS



APARICIÓN DE LAS FAMILIAS DE MACROINVERTEBRADOS BENTÓNICOS EN LA CUENCA DEL RÍO PAMPLONITA Y QUEBRADA ISCALÁ

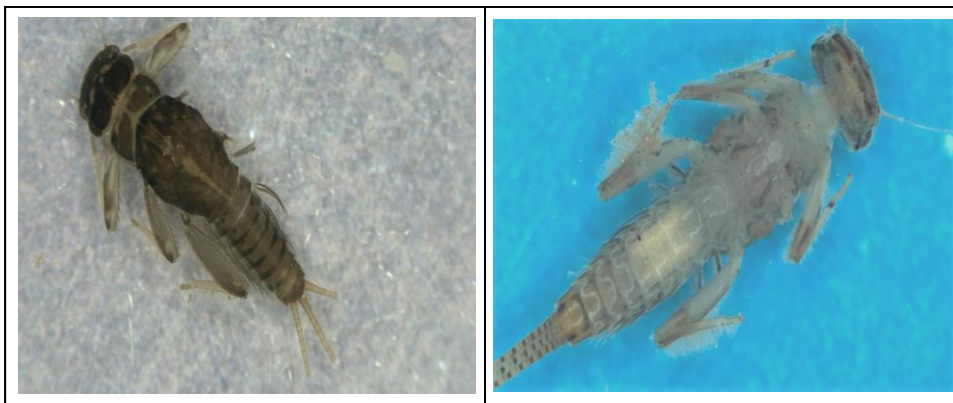
Ephemeroptera

Baetidae



ID 1	ID 2	ID 3	ID 4	ID 5	ID 6	ID 7	ID 7.1	ID 7.2	ID 7.3	ID 7.4
X	X	X		X	X	X	X	X	X	X
ID 8	ID 9	ID 10	ID 11	ID 12	ID 13	ID 14	ID 15	ID 16	ID 17	ID 18
X	X	X		X						

Leptophlebiidae



ID 1	ID 2	ID 3	ID 4	ID 5	ID 6	ID 7	ID 7.1	ID 7.2	ID 7.3	ID 7.4
				X	X	X	X	X	X	X
ID 8	ID 9	ID 10	ID 11	ID 12	ID 13	ID 14	ID 15	ID 16	ID 17	ID 18
X	X	X	X							



Leptohyphidae



ID 1	ID 2	ID 3	ID 4	ID 5	ID 6	ID 7	ID 7.1	ID 7.2	ID 7.3	ID 7.4
				X	X	X	X	X	X	X
ID 8	ID 9	ID 10	ID 11	ID 12	ID 13	ID 14	ID 15	ID 16	ID 17	ID 18
X	X	X								

Oligoneuriidae



ID 1	ID 2	ID 3	ID 4	ID 5	ID 6	ID 7	ID 7.1	ID 7.2	ID 7.3	ID 7.4
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ID 8	ID 9	ID 10	ID 11	ID 12	ID 13	ID 14	ID 15	ID 16	ID 17	ID 18
X	X			X						



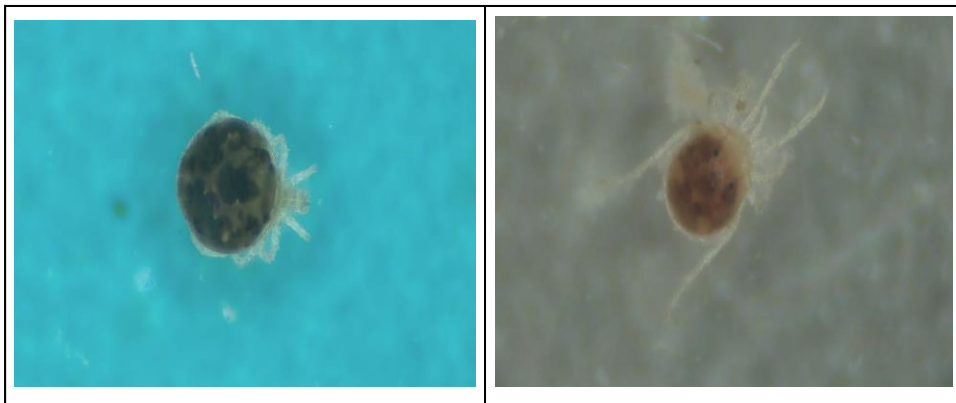
Caenidae



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										X

Acari

Hydrachnidia

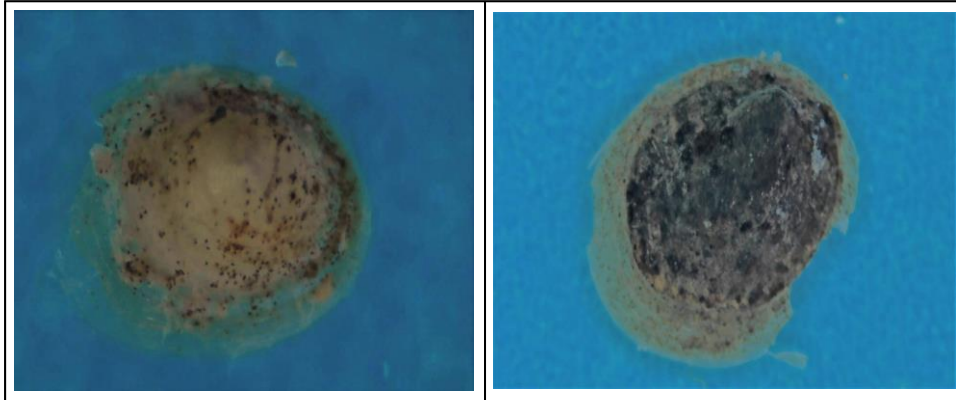


ID 1	ID 2	ID 3	ID 4	ID 5	ID 6	ID 7	ID 7.1	ID 7.2	ID 7.3	ID 7.4
					X				X	X
ID 8	ID 9	ID 10	ID 11	ID 12	ID 13	ID 14	ID 15	ID 16	ID 17	ID 18
X	X									



Basommatophora

Ancylidae



ID 1	ID 2	ID 3	ID 4	ID 5	ID 6	ID 7	ID 7.1	ID 7.2	ID 7.3	ID 7.4
ID 8	ID 9	ID 10	ID 11	ID 12	ID 13	ID 14	ID 15	ID 16	ID 17	ID 18
								X		

Physidae



ID 1	ID 2	ID 3	ID 4	ID 5	ID 6	ID 7	ID 7.1	ID 7.2	ID 7.3	ID 7.4
	X	X	X	X						
ID 8	ID 9	ID 10	ID 11	ID 12	ID 13	ID 14	ID 15	ID 16	ID 17	ID 18
		X	X	X				X	X	



Coleoptera

Elmidae



ID 1	ID 2	ID 3	ID 4	ID 5	ID 6	ID 7	ID 7.1	ID 7.2	ID 7.3	ID 7.4
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ID 8	ID 9	ID 10	ID 11	ID 12	ID 13	ID 14	ID 15	ID 16	ID 17	ID 18
X	X			X						

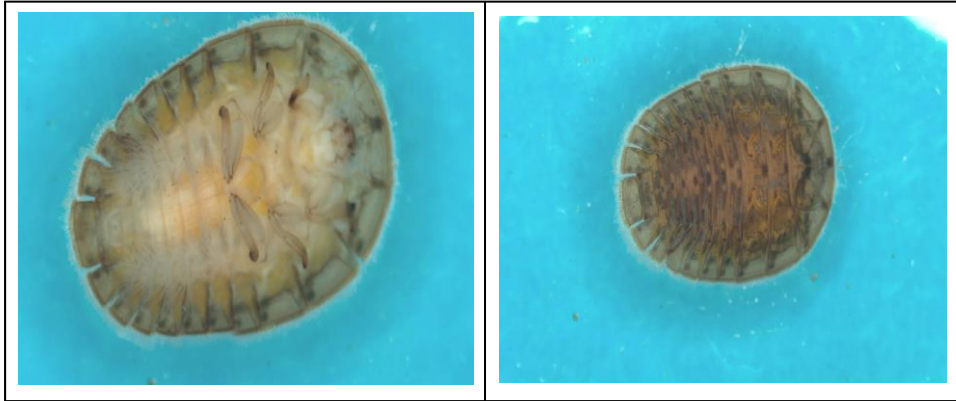
Hydrophilidae



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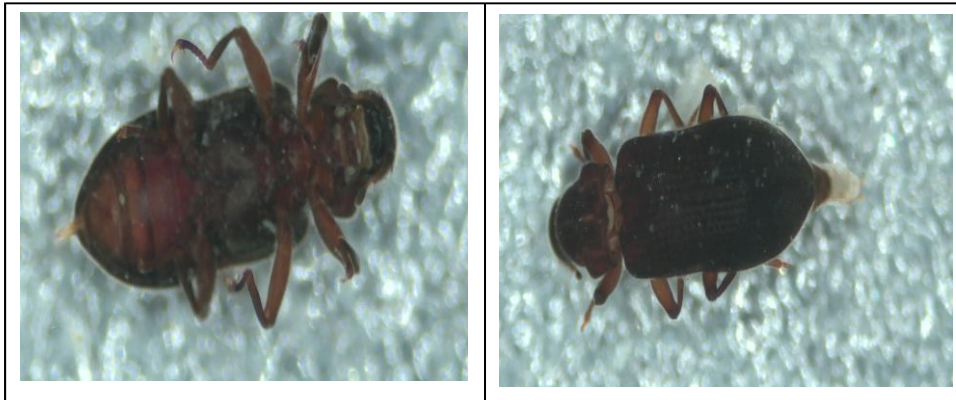


Psephenidae



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						X		X		
ID 8	ID 9	ID 10	ID 11	ID 12	ID 13	ID 14	ID 15	ID 16	ID 17	ID 18

Dryopidae



ID 1	ID 2	ID 3	ID 4	ID 5	ID 6	ID 7	ID 7.1	ID 7.2	ID 7.3	ID 7.4
							X			
ID 8	ID 9	ID 10	ID 11	ID 12	ID 13	ID 14	ID 15	ID 16	ID 17	ID 18



Staphylinidae



ID 1	ID 2	ID 3	ID 4	ID 5	ID 6	ID 7	ID 7.1	ID 7.2	ID 7.3	ID 7.4
ID 8	ID 9	ID 10	ID 11	ID 12	ID 13	ID 14	ID 15	ID 16	ID 17	ID 18
			X							

Ptilodactylidae



ID 1	ID 2	ID 3	ID 4	ID 5	ID 6	ID 7	ID 7.1	ID 7.2	ID 7.3	ID 7.4
								X		
ID 8	ID 9	ID 10	ID 11	ID 12	ID 13	ID 14	ID 15	ID 16	ID 17	ID 18



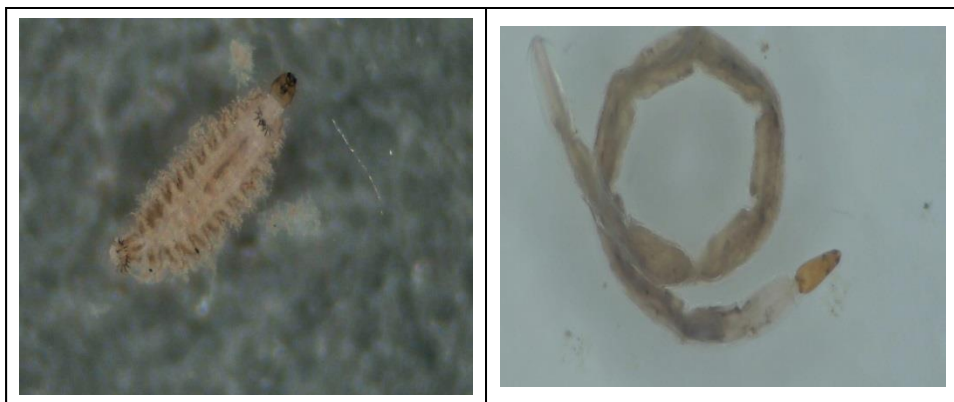
Diptera

Chironomidae



ID 1	ID 2	ID 3	ID 4	ID 5	ID 6	ID 7	ID 7.1	ID 7.2	ID 7.3	ID 7.4
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ID 8	ID 9	ID 10	ID 11	ID 12	ID 13	ID 14	ID 15	ID 16	ID 17	ID 18
X	X	X	X	X	X	X	X	X	X	X

Ceratopogonidae



ID 1	ID 2	ID 3	ID 4	ID 5	ID 6	ID 7	ID 7.1	ID 7.2	ID 7.3	ID 7.4
X				X	X	X			X	X
ID 8	ID 9	ID 10	ID 11	ID 12	ID 13	ID 14	ID 15	ID 16	ID 17	ID 18
X	X		X	X						



Simuliidae



ID 1	ID 2	ID 3	ID 4	ID 5	ID 6	ID 7	ID 7.1	ID 7.2	ID 7.3	ID 7.4
X	X	X	X	X	X		X	X	X	X
ID 8	ID 9	ID 10	ID 11	ID 12	ID 13	ID 14	ID 15	ID 16	ID 17	ID 18
	X			X	X			X		

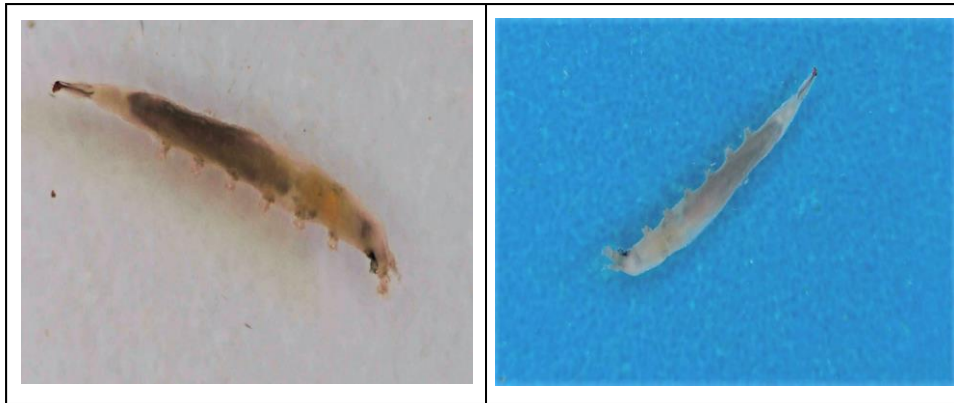
Tipulidae



ID 1	ID 2	ID 3	ID 4	ID 5	ID 6	ID 7	ID 7.1	ID 7.2	ID 7.3	ID 7.4
X	X							X		
ID 8	ID 9	ID 10	ID 11	ID 12	ID 13	ID 14	ID 15	ID 16	ID 17	ID 18



Empididae



ID 1	ID 2	ID 3	ID 4	ID 5	ID 6	ID 7	ID 7.1	ID 7.2	ID 7.3	ID 7.4
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ID 8	ID 9	ID 10	ID 11	ID 12	ID 13	ID 14	ID 15	ID 16	ID 17	ID 18
	X			X						

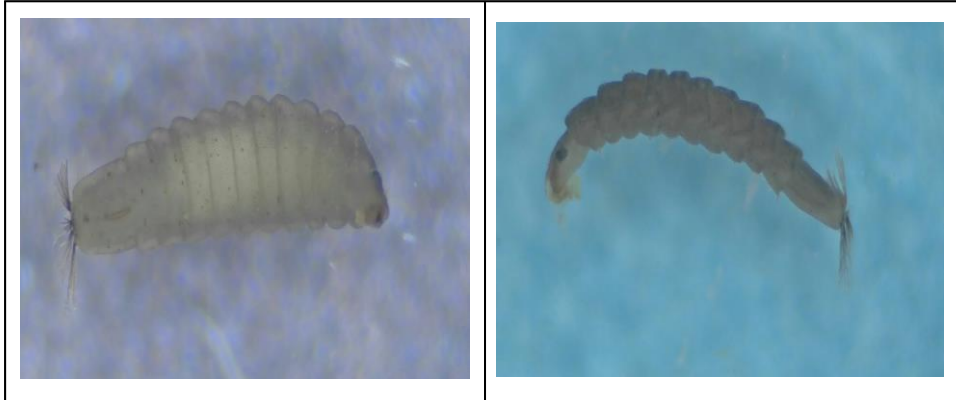
Psychodidae



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		X		X		X				
ID 8	ID 9	ID 10	ID 11	ID 12	ID 13	ID 14	ID 15	ID 16	ID 17	ID 18
X					X					



Stratiomyidae



ID 1	ID 2	ID 3	ID 4	ID 5	ID 6	ID 7	ID 7.1	ID 7.2	ID 7.3	ID 7.4
							X			
ID 8	ID 9	ID 10	ID 11	ID 12	ID 13	ID 14	ID 15	ID 16	ID 17	ID 18

Muscidae



ID 1	ID 2	ID 3	ID 4	ID 5	ID 6	ID 7	ID 7.1	ID 7.2	ID 7.3	ID 7.4
							X			
ID 8	ID 9	ID 10	ID 11	ID 12	ID 13	ID 14	ID 15	ID 16	ID 17	ID 18



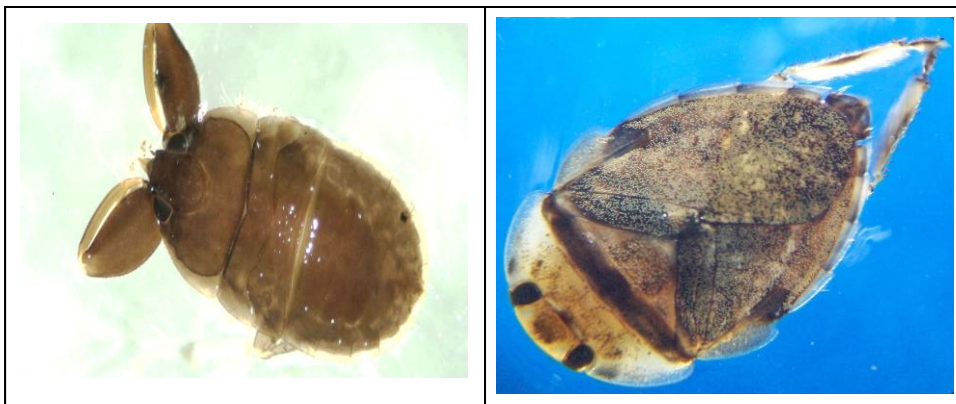
Dolichopodidae



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								X		
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Hemiptera

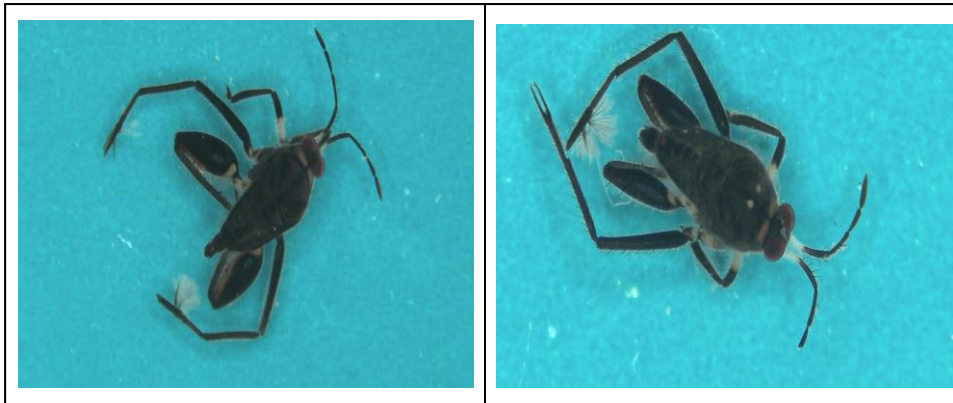
Naucoridae



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						X		X	X	X
ID 8	ID 9	ID 10	ID 11	ID 12	ID 13	ID 14	ID 15	ID 16	ID 17	ID 18
X	X	X								



Veliidae



ID 1	ID 2	ID 3	ID 4	ID 5	ID 6	ID 7	ID 7.1	ID 7.2	ID 7.3	ID 7.4
										X
ID 8	ID 9	ID 10	ID 11	ID 12	ID 13	ID 14	ID 15	ID 16	ID 17	ID 18
	X			X					X	X

Odonata

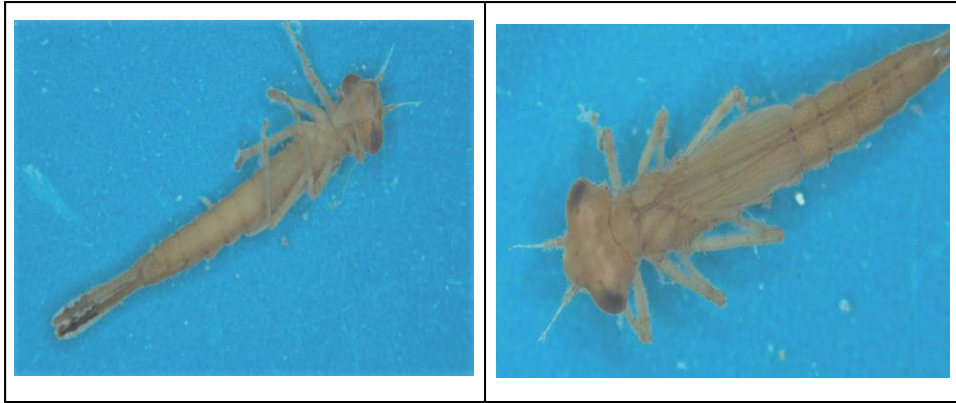
Libellulidae



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				X						X
ID 8	ID 9	ID 10	ID 11	ID 12	ID 13	ID 14	ID 15	ID 16	ID 17	ID 18
	X								X	



Protoneuridae



ID 1	ID 2	ID 3	ID 4	ID 5	ID 6	ID 7	ID 7.1	ID 7.2	ID 7.3	ID 7.4
ID 8	ID 9	ID 10	ID 11	ID 12	ID 13	ID 14	ID 15	ID 16	ID 17	ID 18
			X	X					X	

Gomphidae



ID 1	ID 2	ID 3	ID 4	ID 5	ID 6	ID 7	ID 7.1	ID 7.2	ID 7.3	ID 7.4
ID 8	ID 9	ID 10	ID 11	ID 12	ID 13	ID 14	ID 15	ID 16	ID 17	ID 18
										X



Plecoptera

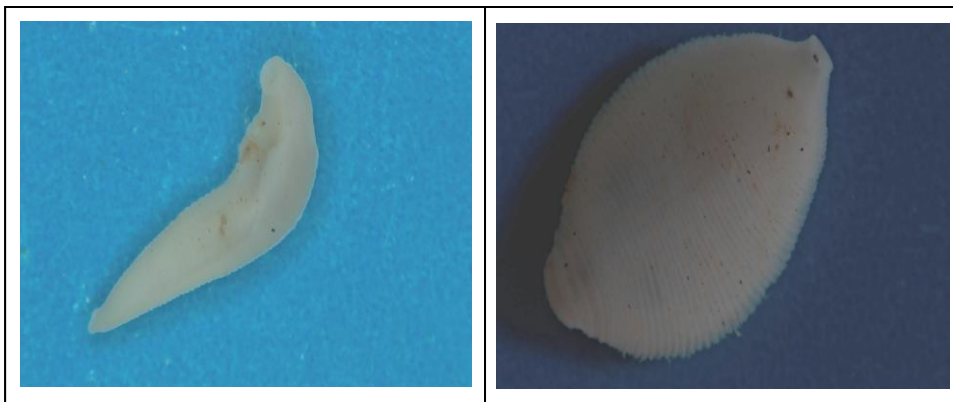
Perlidae



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ID 8	ID 9	ID 10	ID 11	ID 12	ID 13	ID 14	ID 15	ID 16	ID 17	ID 18
X	X									

Rhynchobdellida

Glossiphoniidae



ID 1	ID 2	ID 3	ID 4	ID 5	ID 6	ID 7	ID 7.1	ID 7.2	ID 7.3	ID 7.4
				X	X					
ID 8	ID 9	ID 10	ID 11	ID 12	ID 13	ID 14	ID 15	ID 16	ID 17	ID 18
			X					X	X	



Tricladida

Planariidae



ID 1	ID 2	ID 3	ID 4	ID 5	ID 6	ID 7	ID 7.1	ID 7.2	ID 7.3	ID 7.4
X	X	X		X	X			X		
ID 8	ID 9	ID 10	ID 11	ID 12	ID 13	ID 14	ID 15	ID 16	ID 17	ID 18

Trichoptera

Hydrobiosidae



ID 1	ID 2	ID 3	ID 4	ID 5	ID 6	ID 7	ID 7.1	ID 7.2	ID 7.3	ID 7.4
				X	X	X	X	X	X	X
ID 8	ID 9	ID 10	ID 11	ID 12	ID 13	ID 14	ID 15	ID 16	ID 17	ID 18



Hydropsychidae



ID 1	ID 2	ID 3	ID 4	ID 5	ID 6	ID 7	ID 7.1	ID 7.2	ID 7.3	ID 7.4
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ID 8	ID 9	ID 10	ID 11	ID 12	ID 13	ID 14	ID 15	ID 16	ID 17	ID 18
X	X	X		X						

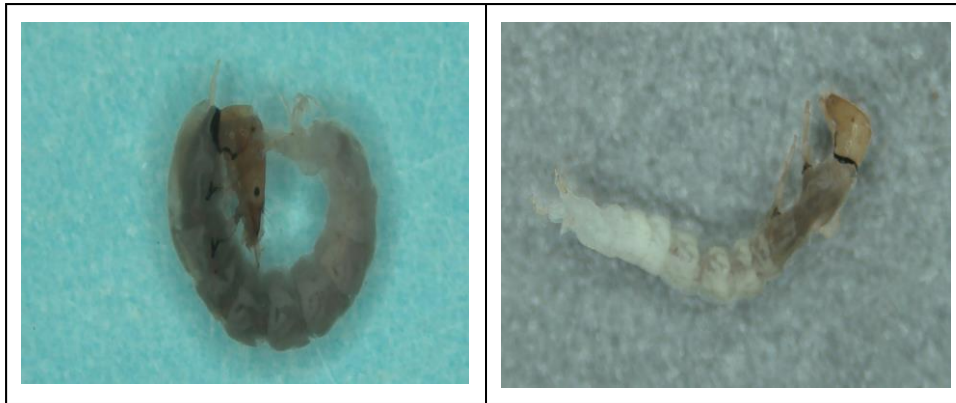
Glossosomatidae



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					X					
ID 8	ID 9	ID 10	ID 11	ID 12	ID 13	ID 14	ID 15	ID 16	ID 17	ID 18
X		X								

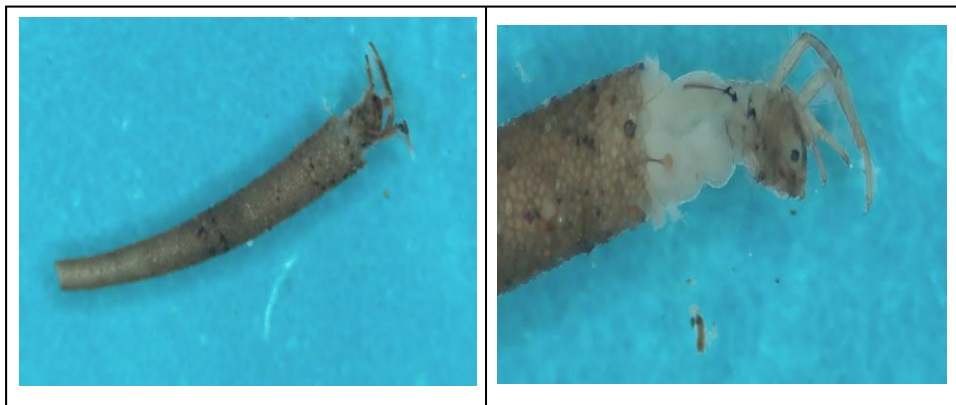


Philopotamidae



ID 1	ID 2	ID 3	ID 4	ID 5	ID 6	ID 7	ID 7.1	ID 7.2	ID 7.3	ID 7.4
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ID 8	ID 9	ID 10	ID 11	ID 12	ID 13	ID 14	ID 15	ID 16	ID 17	ID 18
X										

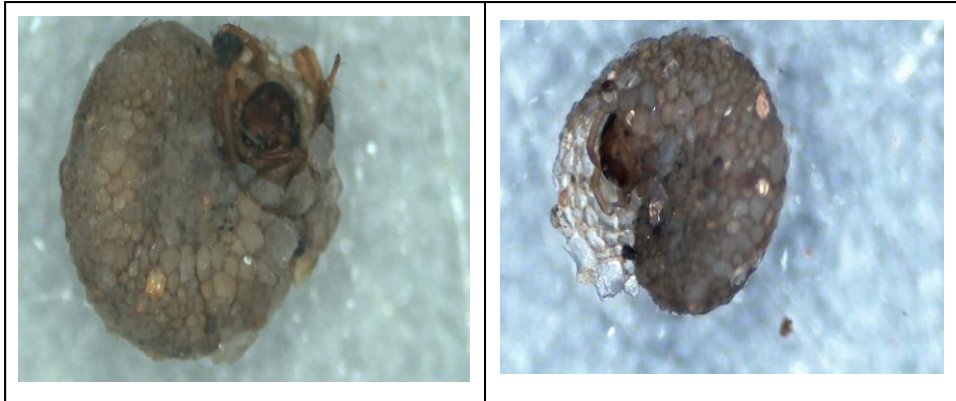
Leptoceridae



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ID 8	ID 9	ID 10	ID 11	ID 12	ID 13	ID 14	ID 15	ID 16	ID 17	ID 18
X	X									

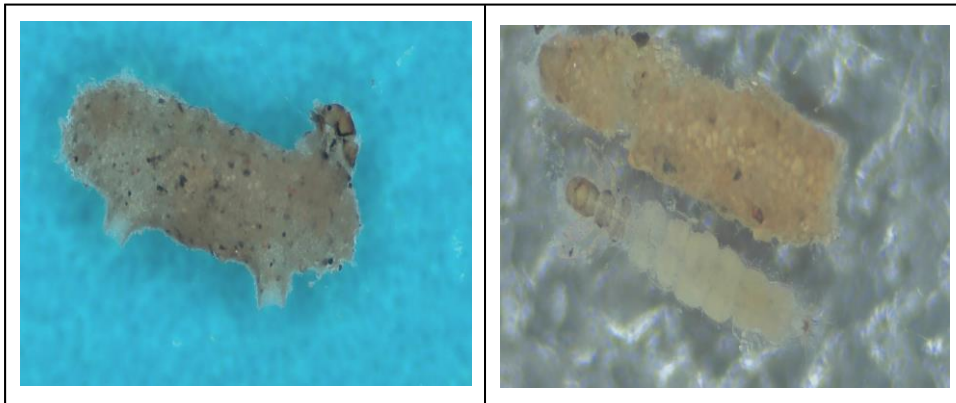


Helicopsychidae



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							X	X		X
ID 8	ID 9	ID 10	ID 11	ID 12	ID 13	ID 14	ID 15	ID 16	ID 17	ID 18

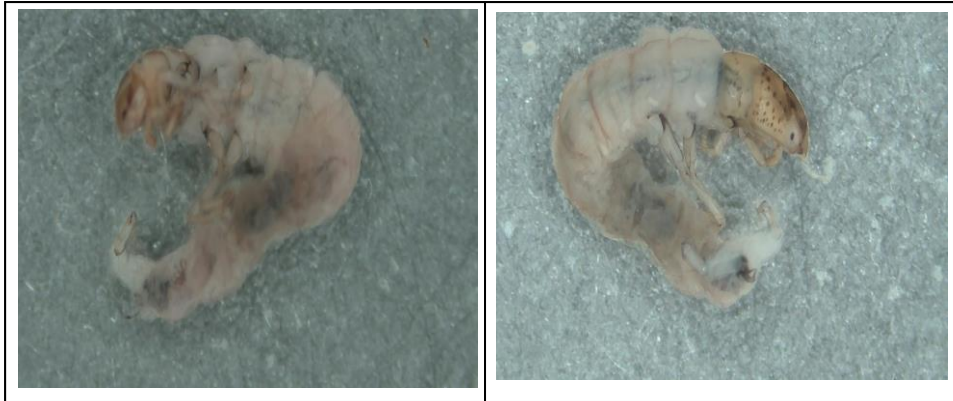
Hydroptilidae



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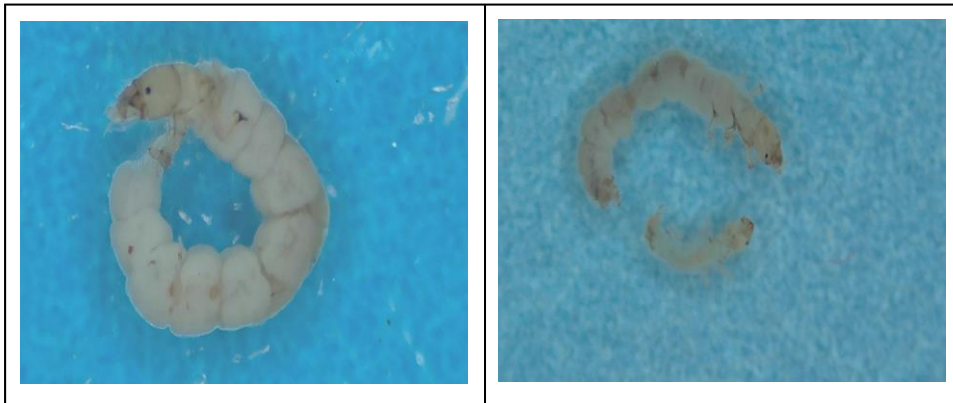


Policentropodidae



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									X	
ID 8	ID 9	ID 10	ID 11	ID 12	ID 13	ID 14	ID 15	ID 16	ID 17	ID 18

Xiphocentronidae



ID 1	ID 2	ID 3	ID 4	ID 5	ID 6	ID 7	ID 7.1	ID 7.2	ID 7.3	ID 7.4
								X		X
ID 8	ID 9	ID 10	ID 11	ID 12	ID 13	ID 14	ID 15	ID 16	ID 17	ID 18



Calamoceratidae



ID 1	ID 2	ID 3	ID 4	ID 5	ID 6	ID 7	ID 7.1	ID 7.2	ID 7.3	ID 7.4
							X			
ID 8	ID 9	ID 10	ID 11	ID 12	ID 13	ID 14	ID 15	ID 16	ID 17	ID 18

Megaloptera

Corydalidae



ID 1	ID 2	ID 3	ID 4	ID 5	ID 6	ID 7	ID 7.1	ID 7.2	ID 7.3	ID 7.4
					X	X	X	X		X
ID 8	ID 9	ID 10	ID 11	ID 12	ID 13	ID 14	ID 15	ID 16	ID 17	ID 18
X	X			X						



Amphipoda

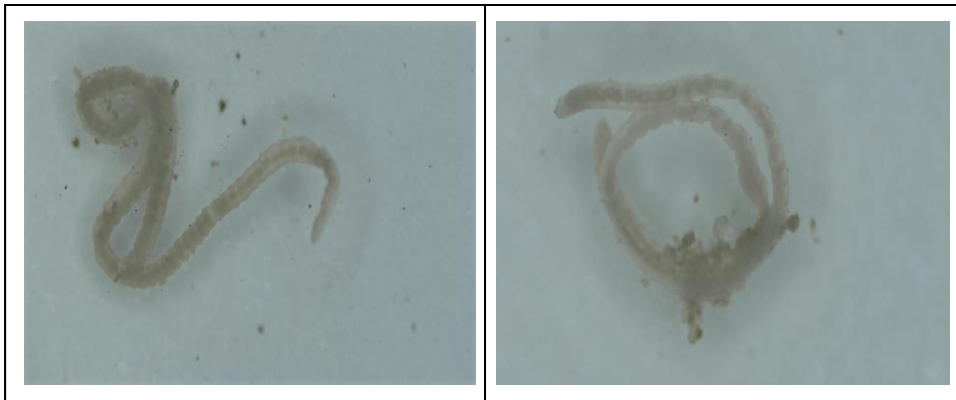
Hyalellidae



ID 1	ID 2	ID 3	ID 4	ID 5	ID 6	ID 7	ID 7.1	ID 7.2	ID 7.3	ID 7.4
X										
ID 8	ID 9	ID 10	ID 11	ID 12	ID 13	ID 14	ID 15	ID 16	ID 17	ID 18

Haplotaixida

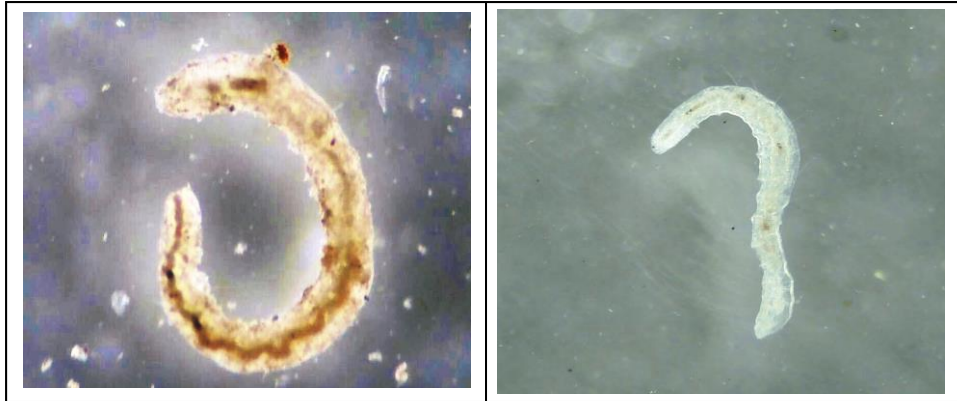
Tubificidae



ID 1	ID 2	ID 3	ID 4	ID 5	ID 6	ID 7	ID 7.1	ID 7.2	ID 7.3	ID 7.4
X	X	X	X	X						
ID 8	ID 9	ID 10	ID 11	ID 12	ID 13	ID 14	ID 15	ID 16	ID 17	ID 18
						X	X			



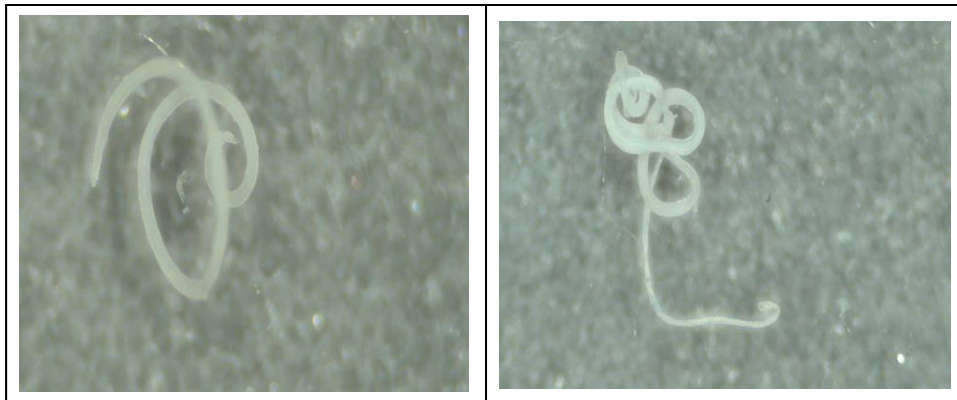
Naididae



ID 1	ID 2	ID 3	ID 4	ID 5	ID 6	ID 7	ID 7.1	ID 7.2	ID 7.3	ID 7.4
		X		X		X	X			
ID 8	ID 9	ID 10	ID 11	ID 12	ID 13	ID 14	ID 15	ID 16	ID 17	ID 18
X										

Nematoda

Nematoda

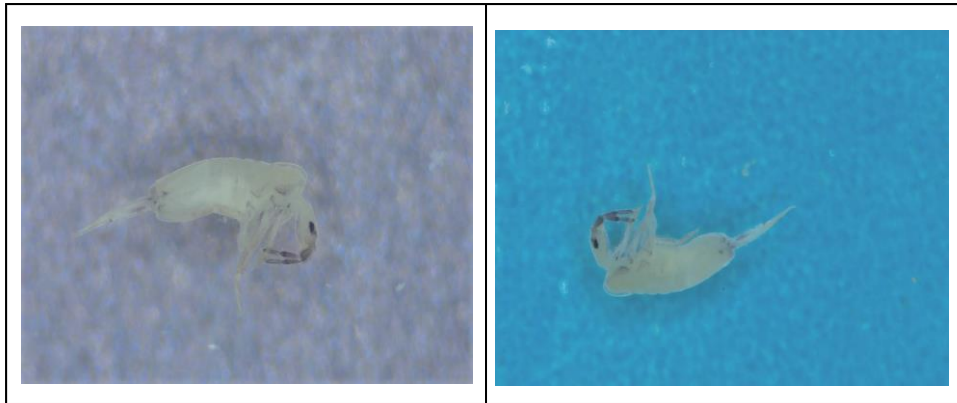


ID 1	ID 2	ID 3	ID 4	ID 5	ID 6	ID 7	ID 7.1	ID 7.2	ID 7.3	ID 7.4
		X		X						
ID 8	ID 9	ID 10	ID 11	ID 12	ID 13	ID 14	ID 15	ID 16	ID 17	ID 18
X	X									



Collembola

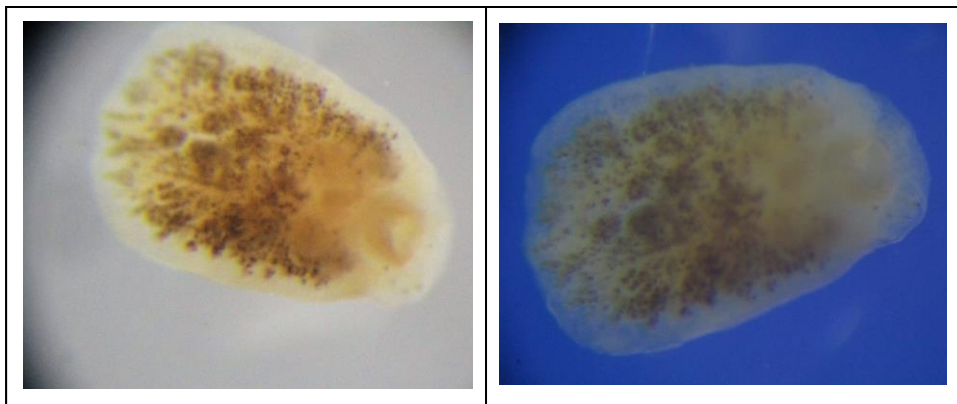
Isotomidae



ID 1	ID 2	ID 3	ID 4	ID 5	ID 6	ID 7	ID 7.1	ID 7.2	ID 7.3	ID 7.4
ID 8	ID 9	ID 10	ID 11	ID 12	ID 13	ID 14	ID 15	ID 16	ID 17	ID 18
	X									

Trematoda

Trematoda

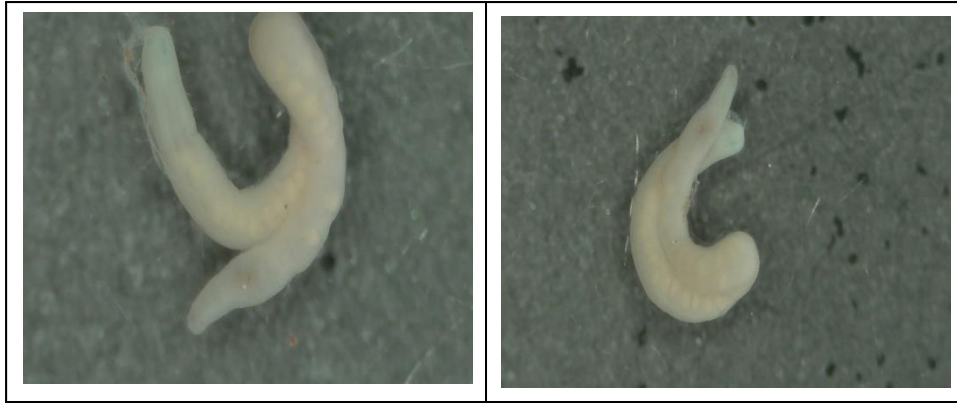


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		X								
ID 8	ID 9	ID 10	ID 11	ID 12	ID 13	ID 14	ID 15	ID 16	ID 17	ID 18



Nemertina

Nemertina



ID 1	ID 2	ID 3	ID 4	ID 5	ID 6	ID 7	ID 7.1	ID 7.2	ID 7.3	ID 7.4
					X					
ID 8	ID 9	ID 10	ID 11	ID 12	ID 13	ID 14	ID 15	ID 16	ID 17	ID 18