

Appendix D5.1_Abundance of Aquatic Invertebrate Species Recorded (Eastern Tributary)

Notes:

- 1 This table shows the abundance record of each species at the corresponding monitoring stations and survey methods.
- 2 Each row indicates one time of record out of 12 times of survey for RP stations and 6 times of survey for PW stations.
- 3 If no data is shown under a monitoring station, the species was not encountered at that station during the monitoring period.

Species Name	Monitoring Stations														
	River Park Study Area						Public Works Study Area								
	RP1		RP2		RP3		RP4		PW1		PW2		PW3		
	O	C	K	O	C	K	O	C	K	O	C	K	O	C	K
<i>Caridina cantonensis</i>	+++		13	+++		22		++	10	++		8			
	+++		5	++		6		++		++		2			
			2			13			5						
	+		2	+											
	++		5			5									
			13			6									
			15			50									
			12			4									
		+++		20											
				30											
	+++		12												
<i>Macrobrachium sp.</i>	+		3	+				+				1	+		2
	+			+					1			3	+		
	+					1									
			1	+					+						
			2						+						
	+		1					+							
<i>Amphipoda</i>															+
<i>Varuna litterata</i>						+		+							+
									1						2
								+							
<i>Eriocheir japonica</i>	+					+		+				+			
	+					+						+			
<i>Parasesarma bidens</i>															++
															+
<i>Portunus sp.</i>															+
															+
<i>Clithon retropictus</i>						4			8						56
						+++ 25		+							56
						++			6			++			6
						6		++							
						6									
<i>Radix plicatulus</i>						2			3						
<i>Tarebia granifera</i>						10		+++							3
						6		++				+++			50
						15		++	2			+++			30
								++							
								+++							
<i>Heliocypha perforata</i>	+														
<i>Neurobasis chinensis</i>					3				1						
<i>Zygonyx iris</i> ⁽¹⁾			1		2		1		1			++		1	
					1		3							18	
														6	
														18	
														36	
<i>Ephemeroptera sp.</i>														2	
														5	

Sampling Method: O = Direct Observation, C = Baited Fish Cage, K = Kick Sampling

Relative Abundance: +: Uncommon, ++: Common, +++: Abundant

Note (1): *Zygonyx iris* is considered as species of conservation importance (Fellowes, 2002)

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Species Name	Monitoring Stations																					
	River Park Study Area									Public Works Study Area												
	RP1			RP2			RP3			RP4			PW1			PW2			PW3			
	O	C	K	O	C	K	O	C	K	O	C	K	O	C	K	O	C	K	O	C	K	
<i>Orthetrum sp.</i>			1			2			2	+												
						2			2			3										3
									1			1										2
										+		2										5
																						5
<i>Ptilomera tigrina</i>	+			+						+			+			+						+
	+			+						+			+			+						+
	+			+									+									
	+																					
	+																					
	++																					
<i>Rhagovelia sp.</i>										++												
										+												
<i>Chironomidae sp.</i>									4			6										10
																						16
																						3
																						30
<i>Tipulidae sp.</i>																						2
<i>Hydrachnidae sp.</i>	+++			+++						+++			++									
	++																					

Sampling Method: O = Direct Observation, C = Baited Fish Cage, K = Kick Sampling

Relative Abundance: +: Uncommon, ++: Common, +++: Abundant

Appendix D5.2_Abundance of Aquatic Invertebrate Species Recorded (Western Tributary)

Notes:

- 1 This table shows the abundance record of each species at the corresponding monitoring stations and survey methods.
- 2 Each row indicates one time of record out of 6 times of survey.
- 3 If no data is shown under a monitoring station, the species was not encountered at that station during the monitoring period.

Species Name	Monitoring Stations (Western Tributary)											
	PW4				PW5				PW6			
	O	A	C	K	O	A	C	K	O	A	C	K
<i>Baetidae sp.</i>				3				1				2
								1				2
								1				
<i>Caenidae sp.</i>				1				1				
								1				
<i>Caridina cantonensis</i>				3						+		
										+		
<i>Chironomidae sp.</i>				1				1				1
				1				2				
				5								
<i>Clithon retropictus</i>										+		
<i>Corixidae sp.</i>				3								
<i>Ephemeridae sp.</i>				1								
<i>Eriocheir japonica</i>										++		2
										+		
<i>Euphaea decorata</i>				1				1				
								1				
								2				
<i>Heptageniidae sp.</i>				1				5				1
	4											
<i>Hydropsychidae sp.</i>								2				1
										1		
<i>Leptoceridae sp.</i>								1				
<i>Leptophlebiidae sp.</i>				2				1				2
				1				3				
				1								
<i>Macrobrachium sp.</i>				1						+		
<i>Melanoides tuberculata</i>										+		
										+++		
										+		
<i>Metrocoris lituratus</i>										++		
										+		
<i>Periidae sp.</i>				2								
<i>Philopotamidae sp.</i>								1				
<i>Ptilomera tigrina</i>	+			1	+					+		
	+									+		
	+									++		
	+									+		
	++											
<i>Rhagovelia sp.</i>								1		++		
										+		
<i>Rhyacophilidae sp.</i>								1				
<i>Tarebia granifera</i>										+++		
<i>Tipulidae sp.</i>				1				1				1
<i>Zygonyx iris</i> ⁽¹⁾								3				
								1				

Sampling Method: O = Direct Observation, A = Active search, C = Baited Fish Cage, K = Kick Sampling

Relative Abundance: +: Uncommon, ++: Common, +++: Abundant

Note: (1) *Zygonyx iris* is considered as species of conservation importance (Fellowes, 2002)