

Appendix D4.2\_Cumulative Aquatic Fauna Data (Fish) (Western Tributary)

Date	Sampling Point	Method	Scientific Name	Common Name	Chinese Name	Abundance	Relative Abundance
May/23	PW4	Observe	<i>Cirrhinus molitorella</i> *	Mud Carp	鯪		+++
May/23	PW4	Observe	<i>Hemichromis stellifer</i>	Jewelfish	星點伴麗魚		+
May/23	PW4	Kick	<i>Liniparhomaloptera disparis</i>	Broken-band Hillstream Loach	擬平鰈	1	
May/23	PW4	Observe	<i>Liniparhomaloptera disparis</i>	Broken-band Hillstream Loach	擬平鰈		++
May/23	PW4	Observe	<i>Pseudogastromyzon myersi</i>	Sucker-belly Loach	麥氏擬腹吸鰈		++
May/23	PW4	Observe	<i>Parazacco spilurus</i> *	Predaceous Chub	異鱧		+++
May/23	PW4	Observe	<i>Acrossocheilus beijiangensis</i> *	Beijiang Thick-lipped Barb	北江光唇魚		+++
May/23	PW5	Kick	<i>Parazacco spilurus</i> *	Predaceous Chub	異鱧	5	
May/23	PW5	Observe	<i>Parazacco spilurus</i> *	Predaceous Chub	異鱧		++
May/23	PW5	Observe	<i>Xiphophorus hellerii</i>	Swordtail	劍尾魚		++
May/23	PW5	Observe	<i>Xiphophorus variatus</i>	Variable Platyfish	雜色劍尾魚		++
May/23	PW5	Observe	<i>Acrossocheilus beijiangensis</i> *	Beijiang Thick-lipped Barb	北江光唇魚		++
May/23	PW5	Cage	<i>Rhinogobius duospilus</i>	-	溪吻鰕虎魚	1	
May/23	PW5	Kick	<i>Rhinogobius duospilus</i>	-	溪吻鰕虎魚	2	
May/23	PW5	Observe	<i>Rhinogobius duospilus</i>	-	溪吻鰕虎魚		++
May/23	PW5	Observe	<i>Barbodes semifasciolatus</i>	Chinese Barb	五線無鬚鯪		+
May/23	PW5	Cage	<i>Barbodes semifasciolatus</i>	Chinese Barb	五線無鬚鯪	1	
May/23	PW6	Observe	<i>Xiphophorus hellerii</i>	Swordtail	劍尾魚		++
May/23	PW6	Observe	<i>Parazacco spilurus</i> *	Predaceous Chub	異鱧		+++
May/23	PW6	Observe	<i>Glossogobius giurinus</i>	Fork Tongue Goby	舌鰕虎魚		+
May/23	PW6	Observe	<i>Rhinogobius giurinus</i>	Barcheek Goby	子陵吻鰕虎魚		+
May/23	PW6	Observe	<i>Gambusia affinis</i>	Mosquito Fish	食蚊魚		++
Jul/23	PW4	Observe	<i>Schistura fasciolata</i>	Striped Loach	橫紋兩鰈		+
Jul/23	PW4	Observe	<i>Liniparhomaloptera disparis</i>	Broken-band Hillstream Loach	擬平鰈		++
Jul/23	PW4	Observe	<i>Parazacco spilurus</i> *	Predaceous Chub	異鱧		+++
Jul/23	PW4	Observe	<i>Cirrhinus molitorella</i> *	Mud Carp	鯪		++
Jul/23	PW4	Observe	<i>Acrossocheilus beijiangensis</i> *	Beijiang Thick-lipped Barb	北江光唇魚		++
Jul/23	PW4	Observe	<i>Hemichromis stellifer</i>	Jewelfish	星點伴麗魚		+
Jul/23	PW5	Observe	<i>Acrossocheilus beijiangensis</i> *	Beijiang Thick-lipped Barb	北江光唇魚		++
Jul/23	PW5	Observe	<i>Xiphophorus hellerii</i>	Swordtail	劍尾魚		+++
Jul/23	PW5	Observe	<i>Parazacco spilurus</i> *	Predaceous Chub	異鱧		++
Jul/23	PW5	Observe	<i>Rhinogobius duospilus</i>	-	溪吻鰕虎魚		+
Jul/23	PW5	Observe	<i>Hemichromis stellifer</i>	Jewelfish	星點伴麗魚		+
Jul/23	PW5	Kick	<i>Rhinogobius duospilus</i>	-	溪吻鰕虎魚	1	
Jul/23	PW5	Kick	<i>Rhinogobius duospilus</i>	-	溪吻鰕虎魚	2	
Jul/23	PW6	Observe	<i>Tridentiger trigonocephalus</i>	Chameleon Goby	紋鰕虎魚		+
Jul/23	PW6	Observe	<i>Parazacco spilurus</i> *	Predaceous Chub	異鱧		+++
Jul/23	PW6	Observe	<i>Acrossocheilus beijiangensis</i> *	Beijiang Thick-lipped Barb	北江光唇魚		+
Jul/23	PW6	Observe	<i>Rhinogobius giurinus</i>	Barcheek Goby	子陵吻鰕虎魚		+
Jul/23	PW6	Observe	<i>Xiphophorus hellerii</i>	Swordtail	劍尾魚		++
Jul/23	PW6	Observe	<i>Oryzias curvinotus</i> *	Rice Fish	弓背青鱗		++
Jul/23	PW6	Observe	<i>Glossogobius giurinus</i>	Fork Tongue Goby	舌鰕虎魚		+
Sep/23	PW4	Observe	<i>Parazacco spilurus</i> *	Predaceous Chub	異鱧		+++
Sep/23	PW4	Observe	<i>Cirrhinus molitorella</i> *	Mud Carp	鯪		++
Sep/23	PW4	Observe	<i>Pseudogastromyzon myersi</i>	Sucker-belly Loach	麥氏擬腹吸鰈		+
Sep/23	PW4	Observe	<i>Liniparhomaloptera disparis</i>	Broken-band Hillstream Loach	擬平鰈		+
Sep/23	PW4	Observe	<i>Rhinogobius duospilus</i>	-	溪吻鰕虎魚		+
Sep/23	PW4	Observe	<i>Hemichromis stellifer</i>	Jewelfish	星點伴麗魚		+
Sep/23	PW4	Observe	<i>Acrossocheilus beijiangensis</i> *	Beijiang Thick-lipped Barb	北江光唇魚		+
Sep/23	PW5	Observe	<i>Xiphophorus hellerii</i>	Swordtail	劍尾魚		++
Sep/23	PW5	Observe	<i>Xiphophorus variatus</i>	Variable Platyfish	雜色劍尾魚		++
Sep/23	PW5	Observe	<i>Parazacco spilurus</i> *	Predaceous Chub	異鱧		++
Sep/23	PW5	Observe	<i>Acrossocheilus beijiangensis</i> *	Beijiang Thick-lipped Barb	北江光唇魚		+
Sep/23	PW5	Observe	<i>Rhinogobius duospilus</i>	-	溪吻鰕虎魚		+
Sep/23	PW6	Observe	<i>Xiphophorus hellerii</i>	Swordtail	劍尾魚		++
Sep/23	PW6	Observe	<i>Parazacco spilurus</i> *	Predaceous Chub	異鱧		++
Sep/23	PW6	Observe	<i>Oryzias curvinotus</i> *	Rice Fish	弓背青鱗		++
Nov/23	PW6	Observe	<i>Mugilidae</i>	Mullet	鰱科		+
Nov/23	PW6	Observe	<i>Xiphophorus hellerii</i>	Swordtail	劍尾魚		+
Nov/23	PW6	Observe	<i>Oryzias curvinotus</i> *	Rice Fish	弓背青鱗		+
Nov/23	PW6	Observe	<i>Parazacco spilurus</i> *	Predaceous Chub	異鱧		++
Nov/23	PW6	Observe	<i>Gambusia affinis</i>	Mosquito Fish	食蚊魚		++
Nov/23	PW6	Observe	<i>Cyprinus rubrofuscus</i>	Koi	錦鯉		+
Nov/23	PW6	Observe	<i>Barbodes semifasciolatus</i>	Chinese Barb	五線無鬚鯪		+
Nov/23	PW5	Kick	<i>Rhinogobius duospilus</i>	-	溪吻鰕虎魚	2	
Nov/23	PW5	Observe	<i>Rhinogobius duospilus</i>	-	溪吻鰕虎魚		++
Nov/23	PW5	Observe	<i>Parazacco spilurus</i> *	Predaceous Chub	異鱧		+++
Nov/23	PW5	Observe	<i>Xiphophorus hellerii</i>	Swordtail	劍尾魚		++
Nov/23	PW5	Observe	<i>Pseudogastromyzon myersi</i>	Sucker-belly Loach	麥氏擬腹吸鰈		+
Nov/23	PW5	Observe	<i>Acrossocheilus beijiangensis</i> *	Beijiang Thick-lipped Barb	北江光唇魚		+
Nov/23	PW5	Observe	<i>Liniparhomaloptera disparis</i>	Broken-band Hillstream Loach	擬平鰈		+
Nov/23	PW4	Observe	<i>Barbodes semifasciolatus</i>	Chinese Barb	五線無鬚鯪		+
Nov/23	PW4	Observe	<i>Acrossocheilus beijiangensis</i> *	Beijiang Thick-lipped Barb	北江光唇魚		+++
Nov/23	PW4	Observe	<i>Parazacco spilurus</i> *	Predaceous Chub	異鱧		+++
Nov/23	PW4	Observe	<i>Liniparhomaloptera disparis</i>	Broken-band Hillstream Loach	擬平鰈		++
Nov/23	PW4	Observe	<i>Cirrhinus molitorella</i> *	Mud Carp	鯪		+++
Nov/23	PW4	Observe	<i>Hemichromis stellifer</i>	Jewelfish	星點伴麗魚		+

\* *Acrossocheilus beijiangensis* and *Oryzias curvinotus* are considered as species of conservation importance (Fellows, 2002); *Parazacco spilurus* is considered as species of conservation importance (Yue & Chen, 1998); *Cirrhinus molitorella* is considered as Near Threatened (IUCN, 2024).

Relative abundance: +: Uncommon, ++: Common, +++: Abundant

Appendix D4\_Cumulative Aquatic Fauna Data (Fish)

Date	Sampling Point	Method	Scientific Name	Common Name	Chinese Name	Abundance	Relative Abundance
Jan/24	PW6	Kick	<i>Tridentiger trignocephalus</i>	Chameleon Goby	紋縐鰕虎魚	1	
Jan/24	PW6	Observe	<i>Mugilidae</i>	Mullet	鱸科		+++
Jan/24	PW6	Observe	<i>Parazacco spilurus</i> *	Predaceous Chub	異鱸		+++
Jan/24	PW6	Observe	<i>Xiphophorus hellerii</i>	Swordtail	劍尾魚		++
Jan/24	PW6	Observe	<i>Xiphophorus variatus</i>	Variable Platyfish	雜色劍尾魚		++
Jan/24	PW6	Observe	<i>Barbodes semifasciolatus</i>	Chinese Barb	五線無鬚鯪		+
Jan/24	PW5	Observe	<i>Xiphophorus hellerii</i>	Swordtail	劍尾魚		+++
Jan/24	PW5	Observe	<i>Acrossocheilus beijiangensis</i> *	Beijing Thick-lipped Barb	北江光唇魚		++
Jan/24	PW5	Observe	<i>Rhinogobius duospilus</i>	-	溪吻鰕虎魚		+
Jan/24	PW5	Observe	<i>Parazacco spilurus</i> *	Predaceous Chub	異鱸		+++
Jan/24	PW4	Observe	<i>Acrossocheilus beijiangensis</i> *	Beijing Thick-lipped Barb	北江光唇魚		+++
Jan/24	PW4	Observe	<i>Cirrhinus molitorella</i> *	Mud Carp	鯪		+++
Jan/24	PW4	Observe	<i>Parazacco spilurus</i> *	Predaceous Chub	異鱸		+++
Jan/24	PW4	Observe	<i>Liniparhomaloptera disparis</i>	Broken-band Hillstream Loach	擬平鰕		++
Jan/24	PW4	Observe	<i>Rhinogobius duospilus</i>	-	溪吻鰕虎魚		+
Jan/24	PW4	Observe	<i>Barbodes semifasciolatus</i>	Chinese Barb	五線無鬚鯪		+
Jan/24	PW4	Kick	<i>Rhinogobius duospilus</i>	-	溪吻鰕虎魚	1	
Jan/24	PW5	Observe	<i>Parazacco spilurus</i> *	Predaceous Chub	異鱸		+++
Jan/24	PW5	Observe	<i>Rhinogobius duospilus</i>	-	溪吻鰕虎魚		+
Jan/24	PW5	Cage	<i>Parazacco spilurus</i> *	Predaceous Chub	異鱸	1	
Jan/24	PW5	Cage	<i>Xiphophorus hellerii</i>	Swordtail	劍尾魚	1	
Jan/24	PW6	Observe	<i>Parazacco spilurus</i> *	Predaceous Chub	異鱸		++
Jan/24	PW6	Observe	<i>Mugilidae</i>	Mullet	鱸科		++
Jan/24	PW6	Observe	<i>Oryzias curvinotus</i> *	Rice Fish	弓背青鱗		++
Jan/24	PW6	Observe	<i>Xiphophorus hellerii</i>	Swordtail	劍尾魚		++
Jan/24	PW6	Observe	<i>Rhinogobius giurinus</i>	Barcheek Goby	子陵吻鰕虎魚		+
Jan/24	PW6	Observe	<i>Glossogobius giurinus</i>	Fork Tongue Goby	舌鰕虎魚		+

\**Acrossocheilus beijiangensis* and *Oryzias curvinotus* are considered as species of conservation importance (Fellows, 2002); *Parazacco spilurus* is considered as species of conservation importance (Yue & Chen, 1998); *Cirrhinus molitorella* is considered as Near Threatened (IUCN, 2024).  
Relative abundance: +: Uncommon, ++: Common, +++: Abundant