

Article

Fragmentation level drives local fish assemblage diversity patterns in fragmented river basins

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Table S1. (Supplementary material 1). List of native and non-native fish species present in the study area. X denotes the presence of the species in the basins.

Species/Basin	Aconcagua	Maipo	Rapel	Mataquito	Maule	Itata	Bío Bío	Imperial
<i>Geotria australis</i> (Gray 1851)						x		x
<i>Cheirodon pisciculus</i> (Girard 1855)	x		x	x				
<i>Cheirodon galusdae</i> (Eigenmann 1928)			x		x	x	x	x
<i>Nematogenys inermis</i> (Guichenot 1848)					x			x
<i>Bullockia maldonadoi</i> (Eigenmann 1928)						x	x	x
<i>Trichomycterus areolatus</i> (Valenciennes 1840)	x	x	x	x	x	x	x	x
<i>Diplomystes nahuelbutaensis</i> (Arratia 1987)							x	
<i>Diplomystes incognitus</i> (Arratia & Quezada-Romegialli 2017)				x	x	x		
<i>Galaxias maculatus</i> (Jenyns 1842)						x	x	x
<i>Basilichthys microlepidotus</i> (Jenyns 1841)			x		x	x	x	x
<i>Odontesthes mauleanum</i> (Steindachner 1896)			x				x	
<i>Percichthys trucha</i> (Valenciennes 1833)			x	x	x	x	x	x
<i>Percilia irwini</i> (Eigenmann 1928)							x	
<i>Percilia gillissi</i> (Girard 1855)			x	x	x	x		x
Number of native especies	2	1	7	5	7	9	9	9
<i>Cyprinus carpio</i> (Linnaeus)	x		x				x	
<i>Carassius auratus</i> (Linnaeus)				x			x	
<i>Tinca tinca</i> (Linnaeus)				x				
<i>Cheirodon interruptus</i> (Jenyns)	x		x	x				

<i>Salmo trutta</i> (Linnaeus)	x	x	x	x	x	x	x	x
<i>Oncorhynchus mykiss</i> (Walbaum)		x	x	x	x	x	x	x
<i>Gambusia holbrooki</i> (Girard)	x		x	x	x	x	x	
<i>Cnesterodon decemmaculatus</i> (Jenyns)	x		x					
<i>Australoheros facetus</i> (Jenyns)	x		x					
Number of non-native species	6	2	7	6	3	3	5	2
Total	8	3	14	11	10	12	14	11

Table S2. (Supplementary material 2). Transformed average abundances of non-native species present in the eight basins studied according to level of fragmentation. Species with significant differences in average abundances are indicated with an asterisk (*)

Habitat	Species	Average abundance in low-fragmented basins	Average abundance in high-fragmented basins
Pools	<i>Gambusia holbrooki</i>	1.587	0.925
	<i>Oncorhynchus mykiss</i>	1.306	1.370
	<i>Salmo trutta</i>	0.537	0.428
	<i>Cheirodon interruptus</i> *	0.330	0.651
	<i>Cyprinus carpio</i>	0.627	0.142
	<i>Tinca tinca</i>	0.000	0.534
	<i>Cnesterodon decemmaculatus</i>	0.840	0.000
	<i>Australoheros facetus</i>	0.261	0.000
	<i>Carassius auratus</i>	0.040	0.000