

TABLE S2 | List of registered species and number of collected specimens in each environment in the Porc III reservoir area between 2008 to 2020. (RPM) Porc River isolated between the dams, (RG) Streams tributaries to isolated Porc River, (RSV) Reservoir, (CFR) Creeks flowing to the reservoir, (CFD) Creeks flowing to the Porc River below the dam and (RPD) Porc River below the Porc III dam. CIUA = Colección de Ictiología del Instituto de Biología de la Universidad de Antioquia, Medellín.

Fish species	Pre-construction				Post-construction										Voucher specimens-CIUA
	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020		
Creeks (CFD)															
Bryconidae															
<i>Brycon henni</i> Eigenmann, 1913	51	21	8	11	22	9	13	5	5	15	12	22	29	2166, 2533, 2352, 5122, 5123, 5125, 5337, 5341	
Characidae															
<i>Hemibrycon</i> spp.				1	3	9					27	26	3	2557	
Crenuchidae															
<i>Characidium caucanum</i> Eigenmann, 1912				2	5									2149, 2349	
<i>Characidium chancoense</i> Agudelo-Zamora, Ortega-Lara & Taphorn, 2020	3	1				1									
<i>Characidium phoxocephalum</i> Eigenmann, 1912				4	2	2	4	1	1	3	6	4	7	2144, 2345, 2201	
Parodontidae															
<i>Parodon magdalenensis</i> Londoño-Burbano, Román-Valencia & Taphorn, 2011											2				
Astroblepidae															
<i>Astroblepus</i> cf. <i>griaxalvii</i> Humboldt, 1805	1		5		18	4	6	7	7	6	3	9		2542, 5134	
<i>Astroblepus</i> cf. <i>trifasciatus</i> (Eigenmann, 1912)												97			
<i>Astroblepus</i> spp.	234	15	1	59	213	60	52	83	57	69	86	121	95	2146, 2161, 2170, 2175, 2182, 2207, 2208, 2209, 2210, 2211, 2218, 2228, 2229, 2230, 2233, 5130, 5131, 5132, 5133, 5134, 5135	
Heptapteriidae															
<i>Pimelodella floridablancaensis</i> Ardila Rodríguez, 2017													6		
<i>Rhamdia guatemalensis</i> (Günther, 1864)												1			
Loricariidae															
<i>Chaetostoma</i> spp.	59	41	25	20	52	55	32					44	33		
<i>Chaetostoma thomsoni</i> Regan, 1904			1					15	57	12	31			5126	
Trichomycteridae															
<i>Trichomycterus chapmani</i> (Eigenmann, 1912)	6							2	1						
<i>Trichomycterus</i> spp.					3	2		2	10		4	12	7	5124, 5129	
Creeks (CFR)															
Bryconidae															
<i>Brycon henni</i> Eigenmann, 1913	158	137	59	84	54	21	25	12	17	8	3	4	16	2130, 2167, 2531, 2535, 2318, 2324, 5339, 5340	

TABLE S2 | (Continued)

Fish species	Pre-construction				Post-construction										Voucher specimens-CIUA
	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020		
Characidae															
<i>Hemibrycon</i> spp.	44	47	4	185	94	28	12	31	29	17	11	4	29	2132, 2140, 2148, 2152, 2460, 246 2555, 2558, 2561	
Crenuchidae															
<i>Characidium caucanum</i> Eigenmann, 1912				2	6									2134, 2348	
<i>Characidium chancoense</i> Agudelo-Zamora, Ortega-Lara & Taphorn, 2020					6									2346, 2560	
<i>Characidium phoxocephalum</i> Eigenmann, 1912						2	3	2		1		1	1		
Parodontidae															
<i>Parodon magdalenensis</i> Londoño-Burbano, Román-Valencia & Taphorn, 2011					1	1		2	15		2	28	8		
<i>Saccodon dariensis</i> (Meek & Hildebrand, 1913)				3				2			5	17	3	2128	
Cichlidae															
<i>Andinoacara latifrons</i> (Steindachner, 1878)							1	5							
Poeciliidae															
<i>Poecilia caucana</i> (Steindachner, 1880)							1								
<i>Poecilia reticulata</i> Peters, 1859									1		1	1	7		
Astroblepidae															
<i>Astroblepus</i> cf. <i>grixalvii</i> Humboldt, 1805				2	2	2	1		10	3	2	4		2226, 2488, 5117	
<i>Astroblepus</i> cf. <i>trifasciatus</i> (Eigenmann, 1912)												122			
<i>Astroblepus</i> spp.	352	2	3	67	197	170	105	63	90	86	70	90	104	2131, 2147, 2150 2153, 2172, 2173, 2174, 2176, 2177, 2178, 2179 2180, 2205, 2206, 2212, 2232 2237, 2338, 2383, 5116, 5118	
Heptapteridae															
<i>Pimelodella floridablancaensis</i> Ardila Rodríguez, 2017											1				
Loricariidae															
<i>Chaetostoma</i> spp.	1			22	16	2	4					21	13	2138, 2151, 2464, 2168, 2546, 2340, 2341	
<i>Chaetostoma thomsoni</i> Regan, 1904				3							1	2		2135	
<i>Lasiancistrus caucanus</i> Eigenmann, 1912					1										
Trichomycteridae															
<i>Trichomycterus chapmani</i> (Eigenmann, 1912)						1									
<i>Trichomycterus</i> spp.							1								



TABLE S2 | (Continued)

Fish species	Pre-construction				Post-construction									Voucher specimens-CIUA
	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	
Guadalupe River (RG)														
Bryconidae														
<i>Brycon henni</i> Eigenmann, 1913			2	23	11	9	15	11	8	4	13	47	34	2196, 2202, 5338
Characidae														
<i>Astyanax microlepis</i> Eigenmann, 1913				13	215	6	2					3		2539
<i>Astyanax</i> spp.		2												
<i>Hemibrycon</i> spp.				178	227	20	15			1	1	1	2	2141, 2159, 2540, 2354, 2355
<i>Roeboides dayi</i> (Steindachner, 1878)				4										
Crenuchidae														
<i>Characidium caucanum</i> Eigenmann, 1912				1	2									2156
<i>Characidium chancoense</i> Agudelo-Zamora, Ortega-Lara & Taphorn, 2020				5	3									2347
<i>Characidium phoxocephalum</i> Eigenmann, 1912				5	8		4	4	2	1	2			2203
Parodontidae														
<i>Parodon magdalenensis</i> Londoño-Burbano, Román-Valencia & Taphorn, 2011				7	5	1	5	35	12	33	9	33	46	2165, 2204, 2197
<i>Saccodon dariensis</i> (Meek & Hildebrand, 1913)				1								1		2200
Cichlidae														
<i>Andinoacara latifrons</i> (Steindachner, 1878)	3	3		8	27							1		2158
<i>Coptodon rendalli</i> (Boulenger, 1897)				3										
<i>Oreochromis niloticus</i> (Linnaeus, 1758)	1													
Poeciliidae														
<i>Poecilia caucana</i> (Steindachner, 1880)				24	1	2	9							2162
<i>Poecilia reticulata</i> Peters, 1859				1			1	4				3	2	2154
<i>Xiphophorus hellerii</i> Heckel, 1848				2										2145
Astroblepidae														
<i>Astroblepus</i> cf. <i>trifasciatus</i> (Eigenmann, 1912)												1		
<i>Astroblepus</i> spp.				1	1						1			2160
Callichthyidae														
<i>Hoplosternum magdalenae</i> Eigenmann, 1913		3												
Heptapteridae														
<i>Cetopsorhamdia nasus</i> Eigenmann & Fisher, 1916					4					1	2	3	1	5138
Loricariidae														
<i>Chaetostoma</i> spp.				11	51	17	12	3				13	14	2143, 2157, 2541
<i>Chaetostoma thomsoni</i> Regan, 1904								16	8		4			



TABLE S2 | (Continued)

Fish species	Pre-construction				Post-construction										Voucher specimens-CIUA
	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020		
<i>Lasiancistrus caucanus</i> Eigenmann, 1912											1		1		
Trichomycteridae															
<i>Trichomycterus chapmani</i> (Eigenmann, 1912)		2						2	1						
<i>Trichomycterus</i> spp.					1										
	Porce River (RPD)														
Anostomidae															
<i>Leporellus</i> aff. <i>vittatus</i> (Valenciennes, 1850)								1				1			
<i>Megaleporinus muyscorum</i> (Steindachner, 1900)											1			5120	
Bryconidae															
<i>Brycon henni</i> Eigenmann, 1913				7	16	6	14	5	4	6	7	20	20	2534, 5127, 5326	
<i>Brycon rubricauda</i> Steindachner, 1879				1											
Characidae															
<i>Astyanax microlepis</i> Eigenmann, 1913				22	16	3	1				1		2	2137, 2344, 2538, 2556	
<i>Creagrutus brevipinnis</i> Eigenmann, 1913							17		1			3	19		
<i>Creagrutus magdalenae</i> Eigenmann, 1913								3				19	26		
<i>Creagrutus</i> spp.											4	3		5137	
<i>Hemibrycon</i> spp.				12	9	43	135	19	15	18	21	42	127	2356, 5128	
<i>Psalidodon</i> cf. <i>fasciatus</i> (Cuvier, 1819)							2	3					1		
<i>Roeboides dayi</i> (Steindachner, 1878)				2		1									
Crenuchidae															
<i>Characidium chancoense</i> Agudelo-Zamora, Ortega-Lara & Taphorn, 2020					1										
<i>Characidium phoxocephalum</i> Eigenmann, 1912					6	5	10	1	1	5	7	6	6		
Parodontidae															
<i>Parodon magdalenensis</i> Londoño-Burbano, Román- Valencia & Taphorn, 2011					2	2	5	4		3	3	5	14	2325	
Prochilodontidae															
<i>Ichthyoelphas longirostris</i> (Steindachner, 1879)											1		1	5121	
<i>Prochilodus magdalenae</i> Steindachner, 1879											5	1	19	5120, 5136	
Cichlidae															
<i>Andinoacara latifrons</i> (Steindachner, 1878)					1	3		1						2554	
<i>Geophagus steindachneri</i> Eigenmann & Hildebrand, 1922													1		
<i>Oreochromis mossambicus</i> (Peters, 1852)						1									
<i>Parachromis friedrichsthalii</i> (Heckel, 1840)												2			



TABLE S2 | (Continued)

Fish species	Pre-construction				Post-construction										Voucher specimens-CIUA
	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020		
Poeciliidae															
<i>Poecilia caucana</i> (Steindachner, 1880)							6								
<i>Poecilia reticulata</i> Peters, 1859							5		2			1	1		
Apterontidae															
<i>Apterontus eschmeyeri</i> de Santana, Maldonado-Ocampo, Severi & Mendes, 2004					9	9	2							2351, 2537	
Astroblepidae															
<i>Astroblepus</i> spp.							4	1	8	3					
Heptapteridae															
<i>Cetopsorhamdia nasus</i> Eigenmann & Fisher, 1916											1				
<i>Pimelodella floridablancaensis</i> Ardila Rodríguez, 2017					6	4	3	2			2	15	20	2326, 2342	
<i>Rhamdia guatemalensis</i> (Günther, 1864)					1	1					1	4	1	2339	
Loricariidae															
<i>Chaetostoma</i> spp.				3	1	5	4					8	10	2139, 2316	
<i>Chaetostoma thomsoni</i> Regan, 1904								2	7	4	3				
<i>Lasiancistrus caucanus</i> Eigenmann, 1912					4								1	2327, 2342	
	Porce River (RPM)														
Bryconidae															
<i>Brycon henni</i> Eigenmann, 1913	19	13	13	15	1	1		2			2		11	10	2532
Characidae															
<i>Astyanax microlepis</i> Eigenmann, 1913				22	3	1		11	5			2		2545	
<i>Astyanax</i> spp.	17	3	7	147											
<i>Hemibrycon</i> spp.	2	9	15	8	8	11		1				5	5	2547	
<i>Psalidodon</i> cf. <i>fasciatus</i> (Cuvier, 1819)		6											1		
<i>Roeboides dayi</i> (Steindachner, 1878)	21	9	7	2											
Crenuchidae															
<i>Characidium caucanum</i> Eigenmann, 1912				2										2129	
<i>Characidium chancoense</i> Agudelo-Zamora, Ortega-Lara & Taphorn, 2020				3											
<i>Characidium phoxocephalum</i> Eigenmann, 1912					2		3		3	1		1	1		
Parodontidae															
<i>Parodon magdalenensis</i> Londoño-Burbano, Román-Valencia & Taphorn, 2011				13	7	19	33	34	119	30	28	111	104	2163, 2358, 5086	
Cichlidae															
<i>Andinoacara latifrons</i> (Steindachner, 1878)	56	92	22	17	4	1			6	1	2	1	4	5087	
<i>Coptodon rendalli</i> (Boulenger, 1897)	1	22		1	1									2588	

TABLE S2 | (Continued)

Fish species	Pre-construction				Post-construction										Voucher specimens-CIUA
	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020		
<i>Coptodon</i> spp.		4				1									
<i>Oreochromis mossambicus</i> (Peters, 1852)	3		3												
<i>Oreochromis niloticus</i> (Linnaeus, 1758)	6	1						1			1			5088	
<i>Parachromis friedrichsthalii</i> (Heckel, 1840)												1	2		
Poeciliidae															
<i>Poecilia caucana</i> (Steindachner, 1880)	13	241	7	1	60	80	89						7		
<i>Poecilia reticulata</i> Peters, 1859	35	49	38				36		22	11	8	48	76		
<i>Poecilia sphenops</i> Valenciennes, 1846		10										6			
<i>Poecilia</i> spp.	148	6													
<i>Xiphophorus hellerii</i> Heckel, 1848				1	7	8	8		2	3	6	11	15	2617, 5089	
Apterontidae															
<i>Apterontus eschmeyeri</i> de Santana, Maldonado-Ocampo, Severi & Mendes, 2004	1														
Astroblepidae															
<i>Astroblepus</i> spp.									1						
Loricariidae															
<i>Chaetostoma</i> spp.		1	6	3	10		3							2543	
<i>Chaetostoma thomsoni</i> Regan, 1904	4	14	1	6					1					2142	
<i>Lasiancistrus caucanus</i> Eigenmann, 1912		2		1	1										
	Reservoir (RSV)														
Anostomidae															
<i>Leporellus</i> aff. <i>vittatus</i> (Valenciennes, 1850)					1	2		2							
Bryconidae															
<i>Brycon henni</i> Eigenmann, 1913				46	184	41	25	28		8		2		2171	
Characidae															
<i>Astyanax microlepis</i> Eigenmann, 1913				515	327	107	387	354	1023	115	28	53	7	2136	
<i>Roeboides dayi</i> (Steindachner, 1878)				61	58	10	14	2							
Crenuchidae															
<i>Characidium phoxocephalum</i> Eigenmann, 1912											1			5113	
Parodontidae															
<i>Parodon magdalenensis</i> Londoño-Burbano, Román-Valencia & Taphorn, 2011								2	1	17	24	10	6	5115, 5120	
Cichlidae															
<i>Andinoacara latifrons</i> (Steindachner, 1878)				1	78	42	169	50	15	92	24	3	12	5111	
<i>Coptodon rendalli</i> (Boulenger, 1897)				31	60	48	17	4	7	18	8	7	14		



TABLE S2 | (Continued)

Fish species	Pre-construction				Post-construction									Voucher specimens-CIUA
	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	
<i>Oreochromis mossambicus</i> (Peters, 1852)							4	12	2		5	15	41	
<i>Oreochromis niloticus</i> (Linnaeus, 1758)						10	17	47	5	7	9	45	89	
<i>Oreochromis</i> spp					5		1							
<i>Parachromis friedrichsthalii</i> (Heckel, 1840)							1	1	2	51	59	12	24	5114
Poeciliidae														
<i>Poecilia caucana</i> (Steindachner, 1880)				1										
<i>Poecilia reticulata</i> Peters, 1859											3			5112
<i>Poecilia sphenops</i> Valenciennes, 1846										1			1	
Callichthyidae														
<i>Hoplosternum magdalenae</i> Eigenmann, 1913					2									2367
Loricariidae														
<i>Chaetostoma</i> spp.				1				3						
<i>Lasiancistrus caucanus</i> Eigenmann, 1912							1							
Overall Total				3919									10434	

Neotropical Ichthyology



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