

Structural and functional responses of the oligochaete and aeolosomatid assemblage in lowland streams: a one-way-pollution-modelled ecosystem

**Maria V. LÓPEZ VAN OOSTEROM,^{1,2*} Carolina OCON,^{1,2,3}
Laura C. ARMENDARIZ,^{1,3} Alberto RODRIGUES CAPITULO^{1,2,3}**

¹Instituto de Limnología Dr. Raúl A. Ringuelet, CC 712, CP 1900 La Plata, Buenos Aires

²Consejo Nacional de Investigaciones Científicas y Técnicas (CONICET-CCT-La Plata), La Plata, Buenos Aires

³Facultad de Ciencias Naturales y Museo, Universidad Nacional de La Plata, Buenos Aires, Argentina

***Corresponding author: vanesa@ilpla.edu.ar**

Supplementary Tab. 1. Detail of oligochaetes and aeolosomatids recorded in the Carnaval and Rodríguez Streams site 1 and 2 with average density for each sampling date and two different habitats, sediment and vegetation.

		Carnaval Stream										Rodríguez Stream site 1										Rodríguez Stream site 2									
		N09		M10		J10		S10		D10		N09		M10		J10		S10		D10		N09		M10		J10		S10		D10	
		Abr	B	Ap	B	Ap	Sm	B	B	Hb	B	Hb	B	Ap	B	Ap	B	Lp	B	Hb	B	Ap	Hb	B	Ap	B	B	B	B		
<i>Chaetogaster diastrophus</i> (Gruithuisen, 1828)	<i>Cd</i>	27		7			467	1467	125		63							2													
<i>Dero (Dero) sawyai</i> Marcus, 1943	<i>DDs</i>					417																									
<i>Dero (Dero) digitata</i> (Müller, 1774)	<i>DDd</i>		4	47	542	1646	1400	533			1875							2													
<i>Dero (Dero) pectinata</i> Aiyer, 1929	<i>DDp</i>			67	625	83	800			3433	1125				133		4														
<i>Dero (Dero) botrytis</i> Marcus, 1943	<i>DDb</i>										406																				
<i>Aulophorus furcata</i> (Müller, 1774)	<i>DAf</i>		2	7	500	229				433											4										
<i>Allonais lairdi</i> Naidu, 1965	<i>Al</i>				47																										
<i>Nais communis</i> Pigué, 1906	<i>Nc</i>	27	54				266			6400																					
<i>Nais pardalis</i>	<i>Np</i>			1347			3600	267		733																					
<i>Nais variabilis</i> Pigué, 1906	<i>Nv</i>			47				5733	8125	1604																					
<i>Stylaria fossularis</i>	<i>Styf</i>	13	2	7	83		67			67	271																				
<i>Slavina isochaeta</i> Cernovítov, 1939	<i>Slal</i>	13			292			133		900	354																				
<i>Bratislavia unidentata</i>	<i>Brau</i>			13							21																				
<i>Slavina appendiculata</i> d'Udekem, 1855	<i>Sa</i>			87	792		400	4933	3250	67																					
<i>Pristina jenkiniae</i> (Stephenson, 1931)	<i>Pj</i>			7	417		1200																								
<i>Pristina aequiseta</i> Bourne, 1891	<i>Pae</i>				42	126				167							2														
<i>Pristina leidy</i> Smith, 1896	<i>Ple</i>				6917																										
<i>Pristina acuminata</i> Liang, 1958	<i>Pac</i>				83					233																					
<i>Pristina proboscidea</i> Beddard, 1896	<i>Pp</i>				1500																										
<i>Pristina longidentata</i> (Harman, 1965)	<i>Plo</i>		8		1500					33									3												
<i>Pristina americana</i> Cernovítov, 1937	<i>Pam</i>		2																												
<i>Tubificidae</i> immature	<i>Tinm</i>	100	52	80		83	667	1733	208	900	688	3		2	1180	2	267	21	67	8	17	53	575	150	2030	42	300	6533			
<i>Aulodrilus pigueti</i> Kowalewski, 1914	<i>Ap</i>	17	10	113	333		1133	1600	250		2479																				
<i>Limnodrilus hoffmeisteri</i> Claparede, 1862	<i>Lhff</i>		2	20	83		133	133		200	21			360			13	2	7	27	40	198	4	100		33	12				
<i>Limnodrilus udekemianus</i> Claparede, 1862	<i>Lud</i>													80		133		6			8		10				4				

		Carnaval Stream										Rodríguez Stream site 1										Rodríguez Stream site 2									
		N09		M10		J10		S10		D10		N09		M10		J10		S10		D10		N09		M10		J10		S10		D10	
		Abr	B	Ap	B	Ap	Sm	B	B	Hb	B	Hb	B	Ap	Hb	B	Ap	B	Lp	B	Hb	B	Ap	Hb	B	Ap	B	B	B		
<i>Limnodrilus claparedianus</i> Ratzel, 1868	<i>Lcl</i>																					4620									
<i>Tubifex tubifex</i> (Müller, 1774)	<i>Tt</i>											5313																			
<i>Bothrioneurum americanum</i> Beddard, 1894	<i>Boa</i>																					13									
Opistocystidae	Op	167																													
Megadrili	Meg																					17									
Enchytraeidae	En	17	4		42			1067	208		167	13					373	94		67	29	6					667				
<i>Aeolosoma</i> sp.	<i>Ae</i>			7		3	200		83		1646		8							13					17						

N09, November 2009; M10, March 2010; J10, June 2010; S10, September 2010; D10, December 2010; B, benthos; Hb, *H. bonariensis*; Sm, *S. montevidensis*; Ap, *A. philoxeroides*; Lp, *L. peplodes*.