

TABLE S1 | Characteristics of the sites sampled in the upper Paraguay River basin in Mato Grosso, western Brazil, during the two breeding seasons monitored (2017–2018 and 2018–2019). CAB1 = Cabaçal River site 1; CAB2 = Cabaçal River site 2; FOR = Formoso River; JAU = Jauru River; JUB = Juba River; PAR = Paraguay River; SEP1 = Sepotuba River site 1; SEP2 = Sepotuba River site 2; SEP3 = Sepotuba River site 3; VERN = Vermelho River; OCT = October; NOV = November; DEC = December; JAN = January; FEB = February; MAR = March; Dens. Larval – density of larvae (10 m³); Median – median larval density; IQR – interquartile.

River	Sampling sites	Latitude	Longitude	Characterization	Larval density	Median	IQR	
CABAÇAL	CAB1	15°24'37.6"S	058°06'50.2"W	At this site, in the Cabaçal River, the water flow is lotic, with about 1.6 m in depth. Margins with riparian forest; no submerged or floating vegetation.	48.14	1.8	4.72	
CABAÇAL	CAB2	15°57'01.4"S	057°43'40.6"W	At this site, the Cabaçal River is completely lentic, with about 3.5 m in depth. Margins with riparian forest. No submerged vegetation or floating vegetation.	4785.33	39.7	86.9	
FORMOSO	FOR	14°42'04.7"S	057°49'44.5"W	At this site, the Formoso River is completely lotic with a depth of 1.8 m. Margins with riparian forest. No submerged or floating vegetation.	1012.78	1.39	2.54	
JAUURU	JAU	16°08'29.1"S	58°00'36.6"W	At this site, the Jauru River is completely lentic, free of dams and is 1.5 m deep. No submerged vegetation, but with floating vegetation and riparian vegetation.	2482.67	21.4	34.3	
JUBA	JUB	14°58'53.9"S	057°44'09.0"W	At this site, the Juba River is lotic, but has small dams with water flow impaired by this type of development. The river is 2.95 m deep, with margins covered with riparian forest. No submerged or floating vegetation.	9.97	1.23	1.82	
PARAGUAY	PAR	15°55'26.7"S	057°38'42.9"W	At this site, the Paraguay River is completely lotic, with a depth of 2.20 m and margins covered with riparian forest. No submerged vegetation, but with floating vegetation.	2558.17	32.3	568	
SEPOTUBA	SEP1	14°42'05.2"S	057°49'10.1"W	At this site, the Sepotuba River is completely lotic with a depth of 3.9 m and its margins are covered with riparian forest. No submerged or floating vegetation.	65.06	2.46	4.84	
SEPOTUBA	SEP2	14°58'09.8"S	057°43'51.2"W	At this site, the Sepotuba River is completely lotic and 1.10 deep. Margins with riparian vegetation. No submerged or floating vegetation.	183.89	4.28	13.4	
SEPOTUBA	SEP3	15°55'02.5"S	57°38'55.3"W	At this site, the Sepotuba River is completely lotic, 2.40 m depth, margins with riparian vegetation. No submerged vegetation, but with floating vegetation.	3802.40	150	306	
VERMELHO	VERN	15°07'34.3"S	057°55'44.4"W	At this site, the Vermelho River is completely lotic with a depth of 2.60 m and its margins are covered with riparian forest. No submerged or floating vegetation.	561.99	69.7	134	
Months					Larval Density	Median	IQR	
					OCT	91.75	0.922	9.15
					NOV	11934.42	87.5	2198
					DEC	1355.48	5.8	100
					JAN	1408.44	27.7	90.4
					FEB	702.04	17.6	125
					MAR	18.27	0.218	1.04



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