

Table S1. Species and number of individuals of Zygoptera collected among the sampling sites at the Carajás National Forest, Pará state, Brazil.

Species	ss1	ss2	ss3	ss4	ss5	ss6	ss7	ss8	ss9	ss10	ss11	ss12	ss13	ss14	ss15	ss16	ss17
<i>Argia dives</i> Förster, 1914	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	2
<i>Argia oculata</i> Hagen in Selys, 1865	1	0	16	0	0	2	5	0	0	0	1	0	2	2	0	1	1
<i>Argia</i> sp.	0	0	0	0	0	0	0	0	0	3	1	0	0	0	0	0	1
<i>Argia tinctipennis</i> Selys, 1865	6	0	1	0	5	4	0	3	1	16	6	6	5	7	0	2	7
<i>Chalcopteryx rutilans</i> Rambur, 1842	1	8	0	0	0	13	7	4	5	20	0	4	5	12	0	7	18
<i>Epipleoneura metallica</i> Rácenis, 1955	2	0	0	0	0	0	0	2	7	0	0	0	1	0	0	1	0
<i>Epipleoneura</i> sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
<i>Forcepsioneura</i> sp.	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
<i>Hetaerina indeprensa</i> Garrison, 1990	0	2	7	1	1	0	1	0	2	3	0	10	2	3	1	2	0
<i>Hetaerina</i> sp.	0	0	0	2	0	0	0	0	1	0	0	2	2	0	0	0	0
<i>Heteragrion ictericum</i> Williamson, 1919	0	0	0	0	0	0	3	1	0	1	2	0	0	4	2	0	0
<i>Heteragrion icterops</i> Selys, 1862	0	0	0	0	0	1	0	4	2	0	0	0	0	1	1	1	0
<i>Mecistogaster lucretia lucretia</i> Drury, 1773	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
<i>Mnesarete aenea</i> Selys, 1853	0	1	0	1	0	1	1	1	8	2	0	1	0	0	0	0	7
<i>Mnesarete cupraea</i> Selys, 1853	6	0	0	0	0	4	0	2	1	0	0	0	0	0	0	0	0
<i>Mnesarete</i> sp.	0	0	0	0	0	1	0	0	1	0	1	4	0	0	0	0	0
<i>Oxystigma petiolatum</i> Selys, 1860	0	0	0	0	0	0	0	0	0	0	0	1	2	0	0	1	0
<i>Oxystigma</i> sp.	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
<i>Protoneura</i> sp.	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0

Table S2. Environmental variables measured in the present study with their mean, standardized deviation (SD), and maximum and minimum values. AN = ammoniacal nitrogen; Cond. = conductivity; DO = dissolved oxygen; DK = dissolved potassium; Distance = distance of each sampling site to the nearest trench; ENVT = environmental temperature; HII = Habitat Integrity Index; II = Impact Index; SD = standardized deviation; TDS = total dissolved solids; TURB = turbidity; SD = standardized deviation.

Variables	Mean	SD	Maximum	Minimum
AN (mg/L)	0.08	0.04	0.23	0.06
Chlorate (mg/L)	1.31	0.69	2.79	1.00
Cond. (μS/cm)	110.08	332.06	1436.00	5.59
DO (mg/L)	7.26	1.27	8.60	3.48
DK (mg/L)	1.02	1.14	5.09	0.250
Distance (m)	3701.9	4050.06	11034.2	234.8
ENVT ($^{\circ}$C)	27.48	6.72	30.70	25.00
HII	0.87	0.12	0.56	0.97
II	10.81	15.86	60.04	0.13
Nitrogen (%)	0.43	0.58	1.89	0.02
pH	6.48	0.74	7.63	4.43
TDS (ppm)	17.94	8.05	38.00	4.00
Total iron	0.60	0.92	3.80	0.10
Turb. (NTU)	5.47	4.24	13.90	0.67