

## Supplementary Material to “Spatial and seasonal variation of benthic fish assemblages in whitewater rivers of Central Amazon”

**Table S1.** Mean  $\pm$ SD, minimum and maximum range for the environmental variables measured per river and season:

Depth, Distance between the riverbanks (DBRB), Current velocity, Temperature (Temp), Dissolved Oxygen (DO), pH and Conductivity (Cond).

	<b>Japurá</b>			
	<b>Rising</b>		<b>Receding</b>	
	Mean $\pm$ SD	Min-Max	Mean $\pm$ SD	Min-Max
Depth (m)	14.1 $\pm$ 3.6	7.5 – 18.5	10.6 $\pm$ 3.5	5.9 – 16.3
DBRB (m)	1290 $\pm$ 614.7	433 – 1970	1123 $\pm$ 563,3	450 – 1760
Current (m s <sup>-1</sup> )	< 0.1	< 0.1 – 0.3	< 0.1	< 0.1 – 0.2
Temp (°C)	28.5 $\pm$ 0.2	28.2– 28.9	26.4 $\pm$ 0.4	25.9 – 26.9
DO (mg L <sup>-1</sup> )	4.3 $\pm$ 1.8	1.9 – 6.8	7.7 $\pm$ 1.0	6.5 – 9.1
pH	5.7 $\pm$ 0.7	5 – 7.2	5.9 $\pm$ 0.4	5.4 – 6.8
Cond ( $\mu$ S cm <sup>-1</sup> )	29.7 $\pm$ 29.1	8.7 – 75	23.8 $\pm$ 18.3	13 – 68.5
	<b>Madeira</b>			
	<b>Rising</b>		<b>Receding</b>	
	Mean $\pm$ SD	Min-Max	Mean $\pm$ SD	Min-Max
Depth (m)	12.2 $\pm$ 2.6	9.2 – 15.7	6.3 $\pm$ 3.5	3.1 – 14.6
DBRB (m)	1312 $\pm$ 470.2	547 – 2110	1242 $\pm$ 449.5	520 – 2250
Current (m s <sup>-1</sup> )	< 0.1	< 0.1 – 0.2	< 0.1	< 0.1 – 0.3
Temp (°C)	28.6 $\pm$ 0.3	27.9 – 28.8	31.1 $\pm$ 0.3	30.7 – 31.7
DO (mg L <sup>-1</sup> )	4.7 $\pm$ 0.4	4.3 – 5.4	6.1 $\pm$ 0.5	5.5 – 7.3
pH	6.4 $\pm$ 0.2	6.1 – 6.6	7.2 $\pm$ 0.2	6.8 – 7.4
Cond ( $\mu$ S cm <sup>-1</sup> )	36.9 $\pm$ 1.3	35 – 38	68 $\pm$ 7.7	59 – 79

	<b>Purus</b>			
	<b>Rising</b>		<b>Receding</b>	
	Mean $\pm$ SD	Min-Max	Mean $\pm$ SD	Min-Max
Depth (m)	15.9 $\pm$ 4.2	10.7–22.4	11.3 $\pm$ 2.8	6.6–14.6
DBRB (m)	884.9 $\pm$ 369.9	500–1710	881.6 $\pm$ 393.8	450–1800
Current (m s <sup>-1</sup> )	< 0.1	< 0.1–0.2	< 0.1	< 0.1–0.3
Temp (°C)	26.7 $\pm$ 0.2	26.4–27.2	29.5 $\pm$ 0.5	28.7–30.5
DO (mg L <sup>-1</sup> )	7.6 $\pm$ 0.6	6.8–8.9	6 $\pm$ 0.9	4.6–7.7
pH	6.8 $\pm$ 0.1	6.6–7.0	8.1 $\pm$ 0.2	7.8–8.5
Cond ( $\mu$ S cm <sup>-1</sup> )	23 $\pm$ 1.2	22–25	62.6 $\pm$ 6.7	53–71.3

