

## Supplementary Material

**Tab. A.** CPUE values at the sampling points in the rainy period.

Species	Tie (I)	Tie (II)	Tie (III)	Cap	Sor	Pei	Total
<b>CHARACIFORMES</b>							
<b>Acestrorhynchidae</b>							
<i>Acestrorhynchus lacustris</i> (Lütken, 1875)	0.0	0.0	0.0	0.0	0.0	0.0	<b>0.0</b>
<b>Anostomidae</b>							
<i>Leporinus friderici</i> (Bloch, 1794)	0.0	0.0	0.0	0.0	0.0	2.4	<b>2.4</b>
<i>Leporinus lacustris</i> Amaral Campos, 1945	0.0	0.0	0.0	0.0	0.0	2.4	<b>2.4</b>
<i>Megaleporinus obtusidens</i> (Valenciennes, 1837)	0.0	0.0	0.0	0.0	0.0	12.2	<b>12.2</b>
<i>Schizodon intermedius</i> Garavello & Britski, 1990	0.0	0.0	0.0	0.0	0.0	2.4	<b>2.4</b>
<b>Characidae</b>							
<i>Astyanax lacustris</i> (Lütken, 1875)	0.0	0.0	0.0	10.3	2.5	2.4	<b>15.3</b>
<i>Psalidodon schubarti</i> (Britski 1964)	0.0	0.0	0.0	2.6	0.0	0.0	<b>2.6</b>
<i>Roebooides descalvadensis</i> Fowler, 1932	0.0	0.0	0.0	5.1	7.6	12.2	<b>24.9</b>
<b>Curimatidae</b>							
<i>Cyphocharax nagelii</i> (Steindachner, 1881)	0.0	0.0	0.0	0.0	0.0	2.4	<b>2.4</b>
<i>Steindachmerina insculpta</i> (Fernández-Yépez, 1948)	0.0	0.0	0.0	0.0	2.5	0.0	<b>2.5</b>
<b>Erythrinidae</b>							
<i>Hoplias malabaricus</i> (Bloch, 1794)	0.0	0.0	0.0	0.0	0.0	2.4	<b>2.4</b>
<b>Parodontidae</b>							
<i>Apareiodon</i> sp.	0.0	0.0	0.0	0.0	0.0	0.0	<b>0.0</b>
<b>Prochilodontidae</b>							
<i>Prochilodus lineatus</i> (Valenciennes, 1837)	0.0	2.5	0.0	28.3	0.0	12.2	<b>43.0</b>
<b>Serrasalminidae</b>							
<i>Serrasalmus maculatus</i> Kner, 1858	0.0	0.0	0.0	0.0	0.0	0.0	<b>0.0</b>
<b>CICHLIFORMES</b>							
<b>Cichlidae</b>							
<i>Geophagus brasiliensis</i> (Quoy & Gaimard, 1824)	0.0	0.0	0.0	0.0	0.0	0.0	<b>0.0</b>
<i>Oreochromis niloticus</i> (Linnaeus, 1758)	0.0	0.0	0.0	0.0	0.0	0.0	<b>0.0</b>
<i>Saxatilia britskii</i> (Kullander 1982)	0.0	0.0	0.0	0.0	0.0	0.0	<b>0.0</b>
<b>GYMNOTIFORMES</b>							
<b>Gymnotidae</b>							
<i>Gymnotus cuia</i> Craig, Malabarba, Crampton & Albert, 2018	0.0	0.0	0.0	0.0	0.0	0.0	<b>0.0</b>
<b>SILURIFORMES</b>							
<b>Callichthyidae</b>							
<i>Hoplosternum littorale</i> (Hancock, 1828)	17.6	0.0	60.1	0.0	0.0	2.4	<b>80.2</b>
<b>Loricariidae</b>							
<i>Hypostomus ancistroides</i> (Ihering, 1911)	0.0	0.0	0.0	0.0	0.0	0.0	<b>0.0</b>
<i>Hypostomus hermanni</i> (Ihering, 1905)	0.0	0.0	0.0	0.0	2.5	0.0	<b>2.5</b>
<i>Hypostomus regani</i> (Ihering, 1905)	0.0	0.0	0.0	0.0	0.0	0.0	<b>0.0</b>
<i>Hypostomus strigaticeps</i> (Regan, 1908)	0.0	0.0	0.0	0.0	0.0	0.0	<b>0.0</b>
<i>Proloricaria prolixa</i> (Isbrücker & Nijssen, 1978)	0.0	0.0	0.0	0.0	2.5	0.0	<b>2.5</b>
<i>Pterygoplichthys ambrosetti</i> (Holmberg, 1893)	5.0	0.0	5.5	0.0	0.0	0.0	<b>10.5</b>

<b>Total</b>	<b>22.7</b>	<b>2.5</b>	<b>65.5</b>	<b>46.3</b>	<b>17.7</b>	<b>53.7</b>	<b>208.5</b>
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**Tab. B.** CPUEn values at the sampling points in the dry period.

<b>Species</b>	<b>Tie (I)</b>	<b>Tie (II)</b>	<b>Tie (III )</b>	<b>Cap</b>	<b>Sor</b>	<b>Pei</b>	<b>Tota l</b>
<b>CHARACIFORMES</b>							
<b>Acestrorhynchidae</b>							
<i>Acestrorhynchus lacustris</i> (Lütken, 1875)	0.0	0.0	0.0	0.0	0.0	2.5	<b>2.5</b>
<b>Anostomidae</b>							
<i>Leporinus friderici</i> (Bloch, 1794)	0.0	0.0	0.0	0.0	2.4	2.5	<b>4.9</b>
<i>Leporinus lacustris</i> Amaral Campos, 1945	0.0	0.0	0.0	0.0	0.0	7.6	<b>7.6</b>
<i>Megaleporinus obtusidens</i> (Valenciennes, 1837)	0.0	0.0	0.0	0.0	0.0	0.0	<b>0.0</b>
<i>Schizodon intermedius</i> Garavello & Britski, 1990	0.0	0.0	0.0	0.0	0.0	2.5	<b>2.5</b>
<b>Characidae</b>							
<i>Astyanax lacustris</i> (Lütken, 1875)	0.0	0.0	0.0	2.5	2.4	2.5	<b>7.4</b>
<i>Psalidodon schubarti</i> (Britski 1964)	0.0	0.0	0.0	0.0	0.0	0.0	<b>0.0</b>
<i>Roeboides descalvadensis</i> Fowler, 1932	0.0	0.0	0.0	12.6	0.0	5.1	<b>17.7</b>
<b>Curimatidae</b>							
<i>Cyphocharax nagelii</i> (Steindachner, 1881)	0.0	0.0	0.0	0.0	11.9	0.0	<b>11.9</b>
<i>Steindachnerina insculpta</i> (Fernández-Yépez, 1948)	0.0	0.0	0.0	7.6	0.0	0.0	<b>7.6</b>
<b>Erythrinidae</b>							
<i>Hoplias malabaricus</i> (Bloch, 1794)	0.0	0.0	0.0	0.0	2.4	30.3	<b>32.7</b>
<b>Parodontidae</b>							
<i>Apareiodon</i> sp.	0.0	0.0	0.0	5.0	0.0	0.0	<b>5.0</b>
<b>Prochilodontidae</b>							
<i>Prochilodus lineatus</i> (Valenciennes, 1837)	12. 0	8.1	19.5	30.3	2.4	10.1	<b>82.3</b>
<b>Serrasalminidae</b>							
<i>Serrasalmus maculatus</i> Kner, 1858	0.0	0.0	0.0	0.0	0.0	5.1	<b>5.1</b>
<b>CICHLIFORMES</b>							
<b>Cichlidae</b>							
<i>Geophagus brasiliensis</i> (Quoy & Gaimard, 1824)	0.0	0.0	0.0	2.5	4.7	0.0	<b>7.3</b>
<i>Oreochromis niloticus</i> (Linnaeus, 1758)	0.0	0.0	0.0	2.5	0.0	0.0	<b>2.5</b>
<i>Saxatilia britskii</i> (Kullander 1982)	0.0	0.0	0.0	0.0	0.0	5.1	<b>5.1</b>
<b>GYMNOTIFORMES</b>							
<b>Gymnotidae</b>							
<i>Gymnotus cuia</i> Craig, Malabarba, Crampton & Albert, 2018	0.0	0.0	4.9	0.0	0.0	7.6	<b>12.4</b>
<b>SILURIFORMES</b>							
<b>Callichthyidae</b>							
<i>Hoplosternum littorale</i> (Hancock, 1828)	26. 4	13. 5	55.9	2.5	0.0	22.7	<b>121.1</b>
<b>Loricariidae</b>							
<i>Hypostomus ancistroides</i> (Ihering, 1911)	0.0	10. 8	0.0	80.8	4.7	0.0	<b>96.3</b>
<i>Hypostomus hermanni</i> (Ihering, 1905)	0.0	0.0	0.0	0.0	61.7	0.0	<b>61.7</b>

<i>Hypostomus regani</i> (Ihering, 1905)	0.0	0.0	0.0	0.0	26.1	0.0	<b>26.1</b>
<i>Hypostomus strigaticeps</i> (Regan, 1908)	0.0	0.0	0.0	212.0	0.0	0.0	<b>212.0</b>
<i>Protoricaria prolixa</i> (Isbrücker & Nijssen, 1978)	0.0	0.0	0.0	0.0	7.1	0.0	<b>7.1</b>
<i>Pterygoplichthys ambrosettii</i> (Holmberg, 1893)	0.0	0.0	0.0	0.0	0.0	0.0	<b>0.0</b>
<b>Total</b>	<b>38.4</b>	<b>32.5</b>	<b>80.2</b>	<b>358.4</b>	<b>125.7</b>	<b>103.6</b>	<b>738.8</b>

**Tab. C.** CPUEb values at the sampling points in the rainy period.

Species	Tie (I)	Tie (II)	Tie (III)	Cap	Sor	Pei	Total
<b>CHARACIFORMES</b>							
<b>Acestrorhynchidae</b>							
<i>Acestrorhynchus lacustris</i> (Lütken, 1875)	0.0	0.0	0.0	0.0	0.0	0.0	<b>0.0</b>
<b>Anostomidae</b>							
<i>Leporinus friderici</i> (Bloch, 1794)	0.0	0.0	0.0	0.0	0.0	439.3	<b>439.3</b>
<i>Leporinus lacustris</i> Amaral Campos, 1945	0.0	0.0	0.0	0.0	0.0	351.5	<b>351.5</b>
<i>Megaleporinus obtusidens</i> (Valenciennes, 1837)	0.0	0.0	0.0	0.0	0.0	4557.0	<b>4557.0</b>
<i>Schizodon intermedius</i> Garavello & Britski, 1990	0.0	0.0	0.0	0.0	0.0	522.3	<b>522.3</b>
<b>Characidae</b>							
<i>Astyanax lacustris</i> (Lütken, 1875)	0.0	0.0	0.0	298.6	35.4	63.5	<b>397.5</b>
<i>Psalidodon schubarti</i> (Britski 1964)	0.0	0.0	0.0	46.3	0.0	0.0	<b>46.3</b>
<i>Roeboides descavadensis</i> Fowler, 1932	0.0	0.0	0.0	61.8	68.3	111.1	<b>241.2</b>
<b>Curimatidae</b>							
<i>Cyphocharax nagei</i> (Steindachner, 1881)	0.0	0.0	0.0	0.0	0.0	90.3	<b>90.3</b>
<i>Steindachnerina insculpta</i> (Fernández-Yépez, 1948)	0.0	0.0	0.0	0.0	73.4	0.0	<b>73.4</b>
<b>Erythrinidae</b>							
<i>Hoplias malabaricus</i> (Bloch, 1794)	0.0	0.0	0.0	0.0	0.0	205.0	<b>205.0</b>
<b>Parodontidae</b>							
<i>Apareiodon</i> sp.	0.0	0.0	0.0	0.0	0.0	0.0	<b>0.0</b>
<b>Prochilodontidae</b>							
<i>Prochilodus lineatus</i> (Valenciennes, 1837)	0.0	1259.5	0.0	19734.9	0.0	9802.3	<b>30796.7</b>
<b>Serrasalminidae</b>							
<i>Serrasalmus maculatus</i> Kner, 1858	0.0	0.0	0.0	0.0	0.0	0.0	<b>0.0</b>
<b>CICHLIFORMES</b>							
<b>Cichlidae</b>							
<i>Geophagus brasiliensis</i> (Quoy & Gaimard, 1824)	0.0	0.0	0.0	0.0	0.0	0.0	<b>0.0</b>
<i>Oreochromis niloticus</i> (Linnaeus, 1758)	0.0	0.0	0.0	0.0	0.0	0.0	<b>0.0</b>
<i>Saxatilia britskii</i> (Kullander 1982)	0.0	0.0	0.0	0.0	0.0	0.0	<b>0.0</b>
<b>GYMNOTIFORMES</b>							
<b>Gymnotidae</b>							
<i>Gymnotus cuia</i> Craig, Malabarba, Crampton & Albert, 2018	0.0	0.0	0.0	0.0	0.0	0.0	<b>0.0</b>
<b>SILURIFORMES</b>							
<b>Callichthyidae</b>							
<i>Hoplosternum littorale</i> (Hancock, 1828)	1609.7	0.0	8537.6	0.0	0.0	214.8	<b>10362.0</b>
<b>Loricariidae</b>							
<i>Hypostomus ancistroides</i> (Ihering, 1911)	0.0	0.0	0.0	0.0	0.0	0.0	<b>0.0</b>

<i>Hypostomus hermanni</i> (Ihering, 1905)	0.0	0.0	0.0	0.0	159.5	0.0	<b>159.5</b>
<i>Hypostomus regani</i> (Ihering, 1905)	0.0	0.0	0.0	0.0	0.0	0.0	<b>0.0</b>
<i>Hypostomus strigaticeps</i> (Regan, 1908)	0.0	0.0	0.0	0.0	0.0	0.0	<b>0.0</b>
<i>Protoricaria proluxa</i> (Isbrücker & Nijssen, 1978)	0.0	0.0	0.0	0.0	802.4	0.0	<b>802.4</b>
<i>Pterygoplichthys ambrosettii</i> (Holmberg, 1893)	2332.6	0.0	106.5	0.0	0.0	0.0	<b>2439.1</b>
<b>Total</b>	<b>3942.3</b>	<b>1259.5</b>	<b>8644.1</b>	<b>20141.6</b>	<b>1139.1</b>	<b>16357.2</b>	<b>51483.7</b>

**Tab. D.** CPUEb values at the sampling points in the dry period.

<b>Species</b>	<b>Tie (I)</b>	<b>Tie (II)</b>	<b>Tie (III)</b>	<b>Cap</b>	<b>Sor</b>	<b>Pei</b>	<b>Total</b>
<b>CHARACIFORMES</b>							
<b>Acestrorhynchidae</b>							
<i>Acestrorhynchus lacustris</i> (Lütken, 1875)	0.0	0.0	0.0	0.0	0.0	-	<b>0.0</b>
<b>Anostomidae</b>							
<i>Leporinus friderici</i> (Bloch, 1794)	0.0	0.0	0.0	0.0	341.5	-	<b>341.5</b>
<i>Leporinus lacustris</i> Amaral Campos, 1945	0.0	0.0	0.0	0.0	0.0	800.9	<b>800.9</b>
<i>Megaleporinus obtusidens</i> (Valenciennes, 1837)	0.0	0.0	0.0	0.0	0.0	0.0	<b>0.0</b>
<i>Schizodon intermedius</i> Garavello & Britski, 1990	0.0	0.0	0.0	0.0	0.0	-	<b>0.0</b>
<b>Characidae</b>							
<i>Astyanax lacustris</i> (Lütken, 1875)	0.0	0.0	0.0	-	23.7	22.7	<b>46.5</b>
<i>Psalidodon schubarti</i> (Britski 1964)	0.0	0.0	0.0	0.0	0.0	0.0	<b>0.0</b>
<i>Roeboides descavadensis</i> Fowler, 1932	0.0	0.0	0.0	95.9	0.0	-	<b>95.9</b>
<b>Curimatidae</b>							
<i>Cyphocharax nagelii</i> (Steindachner, 1881)	0.0	0.0	0.0	0.0	796.9	0.0	<b>796.9</b>
<i>Steindachnerina insculpta</i> (Fernández-Yépez, 1948)	0.0	0.0	0.0	98.4	0.0	0.0	<b>98.4</b>
<b>Erythrinidae</b>							
<i>Hoplias malabaricus</i> (Bloch, 1794)	0.0	0.0	0.0	0.0	1083.8	11179.2	<b>12263.1</b>
<b>Parodontidae</b>							
<i>Apareiodon</i> sp.	0.0	0.0	0.0	128.7	0.0	0.0	<b>128.7</b>
<b>Prochilodontidae</b>							
<i>Prochilodus lineatus</i> (Valenciennes, 1837)	4137.9	768.4	5770.4	17147.5	457.7	5383.7	<b>33665.6</b>
<b>Serrasalminidae</b>							
<i>Serrasalmus maculatus</i> Kner, 1858	0.0	0.0	0.0	0.0	0.0	1063.6	<b>1063.6</b>
<b>CICHLIFORMES</b>							
<b>Cichlidae</b>							
<i>Geophagus brasiliensis</i> (Quoy & Gaimard, 1824)	0.0	0.0	0.0	63.1	645.1	0.0	<b>708.2</b>
<i>Oreochromis niloticus</i> (Linnaeus, 1758)	0.0	0.0	0.0	2478.5	0.0	0.0	<b>2478.5</b>
<i>Saxatilia britskii</i> (Kullander 1982)	0.0	0.0	0.0	0.0	0.0	202.1	<b>202.1</b>
<b>GYMNOTIFORMES</b>							
<b>Gymnotidae</b>							
<i>Gymnotus cuia</i> Craig, Malabarba, Crampton & Albert, 2018	0.0	0.0	177.5	0.0	0.0	252.6	<b>430.2</b>
<b>SILURIFORMES</b>							
<b>Callichthyidae</b>							
<i>Hoplosternum littorale</i> (Hancock, 1828)	4766.8	852.2	8352.8	600.7	0.0	2288.9	<b>16861.4</b>
<b>Loricariidae</b>							
<i>Hypostomus ancistroides</i> (Ihering, 1911)	0.0	1371.7	0.0	4669.3	441.1	0.0	<b>6482.1</b>
<i>Hypostomus hermanni</i> (Ihering, 1905)	0.0	0.0	0.0	0.0	4553.6	0.0	<b>4553.6</b>

<i>Hypostomus regani</i> (Ihering, 1905)	0.0	0.0	0.0	0.0	4878.5	0.0	<b>4878.5</b>
<i>Hypostomus strigaticeps</i> (Regan, 1908)	0.0	0.0	0.0	44991.5	0.0	0.0	<b>44991.5</b>
<i>Proloricaria proluxa</i> (Isbrücker & Nijssen, 1978)	0.0	0.0	0.0	0.0	884.6	0.0	<b>884.6</b>
<i>Pterygoplichthys ambrosettii</i> (Holmberg, 1893)	0.0	0.0	0.0	0.0	0.0	0.0	<b>0.0</b>
<b>Total</b>	<b>8904.7</b>	<b>2992.3</b>	<b>14300.7</b>	<b>70273.6</b>	<b>14106.6</b>	<b>21193.8</b>	<b>131771.7</b>