

**TABLE S2** | Volumetric percentage (V%) of food items in the diet of *Trachelyopterus galeatus* related to in hydrometric level oscillations. P = pupae; L = larvae; N = nymph; A = adult. Items with a volume greater than 10% in the diet are highlighted in bold.

Hydrometric Level	376.2	259.4	228.8	273.3	301.5	270.8	232.1	299.9	281	263.7	403.5	487.2	315.1	264.9	286.5
Period	mar/05	jun/05	sep/05	dec/05	mar/08	sep/08	dec/08	mar/09	jun/09	sep/09	dec/09	mar/10	jun/10	sep/10	dec/10
<b>Items</b>															
<b>Allochthonous Origin</b>															
<b>Terrestrial Invertebrates</b>															
Apidae															
Blattodea				1.31	0.02	0.57			7.88			0.20	0.06		0.30
Coleoptera (A)	<b>15.45</b>	8.38		8.30	8.49	<b>30.76</b>	7.17	8.48	<b>39.39</b>	<b>18.91</b>	<b>23.37</b>	3.96	4.93	<b>37.14</b>	<b>14.66</b>
Coleoptera (L)					0.01			0.00		2.10	0.42	0.02	0.04		0.30
Diptera (A)					8.16	0.06		0.05				4.63			0.06
Formicidae	0.08	<b>19.86</b>		1.62	9.96	7.57	6.97	1.98	<b>11.82</b>		<b>17.78</b>	1.88	2.19		2.37
Hemiptera		4.13	0.03	2.91	1.23	1.88	0.02		7.88		8.40	0.24			0.30
Homoptera											0.42	0.10			
Isoptera				<b>47.04</b>							0.03	1.21			0.15
Lepdoptera (A)					0.26		1.16	0.99		0.00			0.05		0.15
Lepdoptera (L)				<b>13.13</b>		1.14	1.16			0.74	27.12	0.09	1.10		0.00
Odonata	0.40						3.49		2.05	4.10	4.16	0.12			
Orthoptera	1.61	4.13		0.31	<b>20.91</b>	0.32	1.77		2.92	2.75	3.33	0.34	8.49		0.60
Vespidae															
Araneae		<b>34.27</b>		0.02		1.54	7.56		<b>19.72</b>		1.76	9.95	4.93		0.31
Oligochaeta	0.04	0.00		3.67											
Opiliones												1.61			
<b>Terrestrial Plants</b>															
Fruits/Seeds	1.61	0.33		0.31	<b>35.10</b>	1.42		1.98	7.88			<b>34.20</b>	<b>16.70</b>		<b>19.59</b>
Leaves	8.19	8.26		8.22	1.39	1.15	3.89	0.49	0.47	4.94	0.17	0.40	<b>15.34</b>		1.49
<b>Autochthonous Origin</b>															
<b>Aquatic Invertebrates</b>															
Diptera (L)															
Diptera (P)			5.26	0.25	4.21	<b>12.51</b>	1.78			0.32	0.08	0.06	0.27	0.00	<b>21.28</b>
Ephemeroptera				9.16	8.16	<b>22.31</b>	<b>24.41</b>	<b>48.45</b>		<b>26.27</b>	1.66	0.00	3.29	<b>17.14</b>	<b>11.87</b>
Odonata (N)	0.10	<b>20.64</b>	<b>68.40</b>	0.61	0.82	3.41	<b>11.84</b>	2.97		<b>13.66</b>	0.00	0.40	0.03	<b>34.29</b>	0.15
Decapoda	6.67		<b>10.52</b>		0.41	<b>14.22</b>	6.97			9.46	4.99	0.80			2.97
Mollusca	1.61						2.32			3.74	0.75	0.61			
<b>Fish</b>	<b>64.25</b>			3.15	0.86	1.14	8.43	<b>34.61</b>		<b>10.51</b>	1.08	<b>37.72</b>	<b>21.64</b>	<b>11.43</b>	<b>23.45</b>
<b>Detritus</b>			<b>15.79</b>				11.04			2.52	4.48	1.45	<b>20.94</b>		

TABLE S2 | (Continued)

Hydrometric Level	277.7	264	258.1	269	383.8	277.4	242.2	259.7	285.4	216.2	290.5	198.7	195.9	243.3	227.5	166.2	179.8
Period	mar/13	jun/13	sep/13	dec/13	mar/16	jun/16	sep/16	dec/16	mar/17	sep/17	mar/18	jun/18	sep/18	dec/18	mar/19	jun/19	sep/19
<b>Items</b>																	
<b>Allochthonous Origin</b>																	
<b>Terrestrial Invertebrates</b>																	
Apidae														1.65			
Blattodea										1.28							0.35
Coleoptera (A)	34.33	19.13	13.65	6.43	6.53	92.88	61.40	5.18	31.13	6.22	14.18	1.74	2.13	37.69	20.13	1.12	0.03
Coleoptera (L)					0.49	0.08			0.03					0.06			
Diptera (A)		1.49												0.07			
Formicidae		5.95		3.43	1.01	2.01		2.59	0.20	0.34	1.87	0.77		7.13	10.76	0.02	0.29
Hemiptera		3.27	0.65	23.13	1.60			0.02	0.30	0.88	0.39			1.43	1.66		
Homoptera				8.57										8.23			
Isoptera	7.23	1.25							0.12								
Lepdoptera (A)				5.14	0.49			1.04		2.14	1.49				6.18	5.19	
Lepdoptera (L)					9.41				0.43	3.45				0.66	1.38		
Odonata			0.65	0.02	1.47			6.73	0.48	0.43	5.96	0.05			1.18	0.16	
Orthoptera	0.98	2.98			5.40	1.93	5.85	7.25	10.92	0.87	14.95		1.00	0.39	11.90	3.46	7.00
Vespidae									1.06	0.47							
Araneae				0.86	7.85			0.10	0.22	2.99				0.82	0.01		
Oligochaeta					0.00												
Opiliones					1.96			1.04									
<b>Plants</b>																	
Fruits/Seeds	32.53	0.04	0.10	17.13	38.26			41.40	0.06						45.88		
Leaves	3.25	5.95	1.57	4.28	2.44		3.51	8.28	5.80	5.74	9.73	7.99	16.56	14.81	0.18	31.17	0.01



TABLE S2 | (Continued)

Hydrometric Level	277.7	264	258.1	269	383.8	277.4	242.2	259.7	285.4	216.2	290.5	198.7	195.9	243.3	227.5	166.2	179.8
Period	mar/13	jun/13	sep/13	dec/13	mar/16	jun/16	sep/16	dec/16	mar/17	sep/17	mar/18	jun/18	sep/18	dec/18	mar/19	jun/19	sep/19
Autochthonous Origin																	
Aquatic Invertebrates																	
Diptera (L)												13.06	14.05			1.75	
Diptera (P)		1.80	49.83	0.01	0.50			0.52	4.26	4.53	0.09			0.93	0.04		44.76
Ephemeroptera		0.10	33.16	6.85	14.72				15.09	23.10	2.98	1.82	24.09	0.67		38.08	47.56
Odonata (N)		5.95	0.32	0.17	0.00				6.68	0.11	3.43	0.81	2.01		0.59	0.02	
Decapoda	7.23						29.24		2.13			6.14				13.85	
Mollusca	0.00				0.02				0.12		0.20			0.62	0.12		
Fish	14.46	29.76		23.99	7.85			15.53	20.97	15.78	41.74	51.49	32.12	24.86			
Detritus		22.32	0.06			3.10		10.35		31.66	2.98	16.13	8.03			5.19	



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Official Journal of the  
Sociedade Brasileira de Ictiologia

#### HOW TO CITE THIS ARTICLE

- Bianchi-Costa IC, Quirino BA, Cardozo ALP, Yofukuji KY, Aleixo MHE, Fugi R. Water-level fluctuations lead to changes in the diet of an omnivorous fish in a floodplain. *Neotrop Ichthyol.* 2023; 21(1):e220064. <https://doi.org/10.1590/1982-0224-2022-0064>