

Ichthyofauna of the headwaters of the upper Araguaia River basin

ICHTHYOFAUNA FROM HEADWATER STREAMS OF THE ARAGUAIA AND MORTES RIVER BASINS, MATO GROSSO, CENTRAL BRAZIL

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SUPPLEMENTARY MATERIAL

Table 1. Taxonomic position of fish species collected in the Serra Azul and Taquaral drainages from June to September 2013 in the municipalities of Barra do Garças and Araguaiana, state of Mato Grosso, Brazil, with voucher and the number of individuals for each species (N).

ORDER CHARACIFORMES	Voucher	N
Acestrorhynchidae		
<i>Acestrorhynchus microlepis</i> (Schomburgk, 1841)	CPUFMT 8589	1
Anostomidae		
<i>Leporinus multimaculatus</i> Birindelli, Teixeira, Britski, 2016	CPUFMT 8351; 8445	3
Characidae		
<i>Aphyocharax pusillus</i> Günther, 1868	CPUFMT 8526	2
<i>Aphyocharax</i> cf. <i>pusillus</i> Günther, 1868	CPUFMT 8427	3
<i>Astyanax argyrimarginatus</i> Garutti, 1999	CPUFMT 8558	50
<i>Astyanax elachylepis</i> Bertaco & Lucinda, 2005	CPUFMT 8409; 8433	7
<i>Astyanax</i> aff. <i>goyacensis</i> (Eigenmann, 1908)	CPUFMT 8352; 8429; 8452	23
<i>Astyanax goyacensis</i> (Eigenmann, 1908)	CPUFMT 8358; 8372; 8374; 8375; 8394; 8415; 8447; 8451; 8458; 8461; 8503; 8508; 8509; 8533; 8565	249
<i>Creagrutus figueiredoi</i> Vari & Harold 2001	CPUFMT 8556	44
<i>Creagrutus menezesi</i> Vari & Harold 2001	CPUFMT 8593; 8594	5
<i>Hemigrammus</i> cf. <i>levis</i> Durbin, 1908	Voucher lost	5
<i>Hemigrammus</i> cf. <i>rodwayi</i> Durbin, 1909	CPUFMT 8539	120
<i>Hemigrammus</i> aff. <i>parana</i> Marinho, Carvalho, Langeani & Tatsumi, 2008	CPUFMT 8385; 8505; 8548; 8581	132
<i>Jupiaba acanthogaster</i> Eigenmann, 1911	CPUFMT 8499	1
<i>Jupiaba polylepis</i> (Güther, 1864)	CPUFMT 8359; 8511	30
<i>Knodus</i> aff. <i>breviceps</i> (Eigenmann 1908)	CPUFMT 8349; 8371; 8376; 8379; 8404; 8418; 8431; 8441; 8453; 8454; 8457; 8460; 8473; 8502; 8582	738
<i>Microchemobrycon geisleri</i> Géry, 1973	CPUFMT 8430	40
<i>Moenkhausia aurantia</i> Bertaco, Jerep & Carvalho, 2011	CPUFMT 8591	2
<i>Moenkhausia pankilopteryx</i> Bertaco & Lucinda, 2006	CPUFMT 8484; 8546; 8549	38
<i>Moenkhausia venerei</i> Petrolli, Azevedo-Santos & Benine, 2016	CPUFMT 8411; 8488; 8537; 8552; 8580	309
<i>Moenkhausia lepidura</i> (Kner, 1858)	CPUFMT 8369; 8420; 8438; 8529	26
<i>Moenkhausia oligolepis</i> (Günther, 1864)	CPUFMT 8362; 8395; 8400; 8410; 8421; 8435; 8446; 8449; 8459; 8466; 8490; 8492; 8493; 8510; 8564	163
<i>Phenacogaster naevata</i> Antonetti, Lucena & Lucena, 2018	CPUFMT 8355; 8401; 8422; 8424; 8468; 8407; 8553	258
<i>Psalidodon xavante</i> (Garutti & Venere 2009)	CPUFMT 8386	5
<i>Roeboexodon guyanensis</i> (Puyo, 1948)	CPUFMT 8555	1
<i>Serrapinnus micropterus</i> (Eigenmann, 1907)	CPUFMT 8403	1
<i>Serrapinnus</i> cf. <i>tocantinensis</i> Malabarba & Jerep, 2014	CPUFMT 8382; 8406; 8414; 8476; 8567; 8577; 8579	612
Crenuchidae		

<i>Characidium</i> aff. <i>zebra</i> Eigenmann, 1909	CPUFMT 8566	25
<i>Characidium</i> sp.	CPUFMT 8356; 8367; 8368; 8380; 8390; 8391; 8501; 8516; 8583	155
Curimatidae		
<i>Cyphocharax gouldingi</i> Vari, 1992	CPUFMT 8383; 8412; 8469; 8472	24
Erythrinidae		
<i>Hoplerythrinus unitaeniatus</i> (Agassiz, 1829)	CPUFMT 8528	1
<i>Hoplias</i> aff. <i>malabaricus</i> (Bloch, 1794)	CPUFMT 8463; 8477; 8489; 8496; 8544; 8578	20
Lebiasinidae		
<i>Pyrrhulina australis</i> Eigenmann & Kennedy, 1903	CPUFMT 8363; 8455; 8568	99
Iguanodectidae		
<i>Bryconops</i> cf. <i>giacopinii</i> (Fernández-Yépez, 1950)	CPUFMT 8444; 8456; 8495; 8545	18
<i>Bryconops</i> cf. <i>melanurus</i> (Bloch, 1794)	CPUFMT 8538	11
<i>Iguanodectes</i> sp.	ZUFMS 5665; 5669	2
ORDER SILURIFORMES		
Auchenipteridae		
<i>Trachelyopterus galeatus</i> (Linnaeus, 1766)	CPUFMT 8419	1
Callichthyidae		
<i>Aspidoras poecilus</i> Nijssen & Isbrücker, 1976	CPUFMT 8402; 8586	596
<i>Callichthys callichthys</i> (Linnaeus, 1758)	Voucher lost	1
<i>Corydoras maculifer</i> Nijssen & Isbrücker, 1971	CPUFMT 8585; 8587	5
<i>Hoplisoma araguaiaensis</i> (Sands, 1990)	CPUFMT 8534; 8584; 8588	13
Heptapteridae		
<i>Imparfinis mirini</i> Haseman, 1911	CPUFMT 8396; 8399; 8405; 8408; 8439; 8440; 8465; 8474; 8517; 8521; 8554	279
<i>Imparfinis</i> sp.	CPUFMT 8384	20
<i>Mastiglanis asopos</i> Bockmann, 1994	CPUFMT 8365; 8378; 8381	106
<i>Phenacorhamdia somnians</i> (Mees, 1974)	CPUFMT 8350; 8428; 8562; 8571	13
<i>Pimelodella</i> sp.1	CPUFMT 8370; 8527; 8551	23
<i>Pimelodella</i> sp.2	CPUFMT 8590	1
<i>Pimelodella</i> sp.3	CPUFMT 8364; 8398; 8416; 8480; 8482; 8485	89
<i>Rhamdia</i> aff. <i>quelen</i> (Quoy & Gaimard in Freycinet, 1824)	CPUFMT 8523; 8530; 8543	4
Loricariidae		
<i>Ancistrus</i> sp. 1	CPUFMT 8442; 8478; 8524	27
<i>Ancistrus</i> sp. 2	CPUFMT 8357; 8366; 8388	2
<i>Hypostomus faveolus</i> Zawadzki, Birindelli & Lima, 2008	CPUFMT 8354; 8518	2
<i>Hypostomus</i> sp. 1	Voucher lost	8
<i>Hypostomus</i> sp. 3	CPUFMT 8360; 8377; 8389; 8392; 8448; 8479; 8487; 8507; 8515; 8542; 8557; 8563; 8575	107
<i>Hypostomus</i> sp. 4	CPUFMT 8417	1
<i>Farlowella</i> sp. 1	CPUFMT 8512; 8559	37
<i>Farlowella</i> sp. 2	CPUFMT 8513	8

<i>Loricaria</i> sp.	CPUFMT 8491; 8592	1
<i>Loricaria</i> sp. 3	CPUFMT 8595	1
<i>Otocinclus</i> sp.	LBP25653	1
<i>Parotocinclus</i> sp.	LBP 25656; 25686	9
<i>Rhinotocinclus britskii</i> Boeseman, 1974 <i>Parotocinclus</i>	LBP 12274	91
<i>Rhinotocinclus dinizae</i> (Ribeiro-Silva <i>et al.</i> , 2020)	LBP 29173, MZUSP 25791; CPUFMT 8432	23
<i>Rineloricaria hasemani</i> Isbrücker & Nijssen, 1979	CPUFMT 8373; 8397; 8434; 8437; 8464	31
ORDER GYMNOTIFORMES		
Apteronotidae		
<i>Apteronotus albifrons</i> (Linnaeus, 1766)	CPUFMT 8532; 8536	2
Gymnotidae		
<i>Gymnotus</i> cf. <i>carapo</i> 1 Linnaeus, 1758	CPUFMT 8550; 8576	4
<i>Gymnotus</i> cf. <i>carapo</i> 2 Linnaeus, 1758	CPUFMT 8547	2
Hypopomidae		
<i>Brachyhypopomus</i> sp.	CPUFMT 8535	9
Rhamphichthyidae		
<i>Gymnorhamphichthys petiti</i> Géry & Vu, 1964	CPUFMT 8494; 8498; 8540; 8561	27
Sternopygidae		
<i>Eigenmannia</i> cf. <i>trilineata</i> López & Castello, 1966	CPUFMT 8462; 8467; 8470; 8471; 8486; 8497; 8504; 8519	70
<i>Sternopygus macrurus</i> (Bloch & Schneider, 1801)	CPUFMT 8531; 8560	10
ORDER CYPRINODONTIFORMES		
Poeciliidae		
<i>Pamphorichthys araguaiensis</i> Costa, 1991	CPUFMT 8569	50
Rivulidae		
<i>Melanorivulus zygometes</i> (Myers, 1927)	CPUFMT 8572; 8573	57
ORDER CICHLIFORMES		
Cichlidae		
<i>Aequidens tetramerus</i> (Heckel, 1840)	CPUFMT 8353; 8413; 8426; 8436; 8450; 8475; 8483; 8500; 8506; 8520; 8522	64
<i>Apistogramma</i> sp.	CPUFMT 8361; 8387; 8423; 8570	52
<i>Lugubria</i> aff. <i>johanna</i> (Heckel, 1840)	CPUFMT 8541	1
<i>Saxatilia labrina</i> (Spix & Agassiz, 1831)	CPUFMT 8393; 8425; 8443; 8481; 8514; 8525	10
ORDER SYNBRANCHIFORMES		
Synbranchidae		
<i>Synbranchus</i> aff. <i>marmoratus</i> Bloch, 1795	CPUFMT 8574	2