

CLOFPY - update 1 - supplement to Checklist of the Fishes of Paraguay.

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Remarks on this update

Since the publication of the 'Checklist of the Fishes of Paraguay (CLOFPY)' in April 2017, some 30 changes or new entries have summed up, increasing the total number of fishes known from the freshwaters of Paraguay to 314.

Gymnotus cuiá is the only new species with type specimens from Paraguay and for further seven species first records have been published. Without having been considered for the previous total count for the country *Salminus hilarii* had been included in CLOFPY as in need on confirmation based on voucher specimens. The synonymization of *Corydoras ellisae* with *C. aurofrenatus*, in CLOFPY both listed as valid, reduces the number of species, while 17 new combinations with different genera and the revalidation of *Moenkhausia australis* from synonymy with *M. sanctaefilomenae*, which does not occur in Paraguay, do not have a quantitative influence.

The suprageneric systematics have been updated in two cases following Fricke et al. (2024): the Achiridae have been moved from Pleuronectiformes to Carangiformes, and the Sciaenidae from "Perciformes" *incertae sedis* to Acanthuriformes.

Due to the lack of providing voucher numbers for specimens and thus, not making their results reproducible, the work of Zuercher et al. (2022) could not be considered for this update.

	CLOFPY	update # 1	total
Myliobatiformes	7		7
Clupeiformes	2		2
Characiformes	123	6	129
Siluriformes	109	1	110
Gymnotiformes	15	1	16
Synbranchiformes	1		1
Carangiformes	2		2
Cichliformes	24		24
Cyprinodontiformes	18		18
Beloniformes	2		2
Acanthuriformes	2		2
Ceratodontiformes	1		1
total	306	8	314

Annotation & disclaimer

The aim of this list of species of freshwater fishes from Paraguay is to provide an updated supplement to the 'Checklist of the Freshwater Fishes of Argentina (CLOFPY)' published by Koerber et al. (2017).

Only those species are listed here that have not been included in that paper or which have undergone systematical changes since then. Changes in this sense may be new species, synonymies, revalidations, new combinations, first records etc., every factor which might modify the data published at present. Information already provided in CLOFPY is not repeated herein.

This list is not a publication in the sense of the 'Code' (ICZN) and expressions as 'new species', 'new combination' etc. are only used to highlight changes in comparison with the original CLOFPY.

'Info' provides hyperlinks to the individual species accounts in www.pecescrilloos.de, usually with figures and some data from the respective publication.

	sp. nov.	first record	confir- mation	not PY	comb. nov.	new syn.	revali- dation	sums
Characiformes								6
<i>Bryconamericus coeruleus</i>		1						
<i>Characidium pterostictum</i>		1						
<i>Characidium zebra</i>		1						
<i>Deuterodon luetkenii</i>					0			
<i>Moenkhausia australis</i>							1	
<i>Moenkhausia bonita</i>		1						
<i>Moenkhausia sanctaefilomenae</i>				-1				
<i>Psalidodon anisitsi</i>					0			
<i>Psalidodon eigenmanniorum</i>					0			
<i>Psalidodon pelegri</i>					0			
<i>Psalidodon rutilus</i>					0			
<i>Salminus hilarii</i>			1					
<i>Schizodon altoparanae</i>		1						
Gymnotiformes								1
<i>Gymnotus cuia</i>	1							
Siluriformes								1
<i>Brochis britskii</i>					0			
<i>Corydoras aurofrenatus</i>						-1		
<i>Gastrodermus hastatus</i>					0			
<i>Gastrodermus undulatus</i>		1			0			
<i>Hoplisoma diphyes</i>					0			
<i>Hoplisoma polystictum</i>					0			
<i>Osteogaster aeneus</i>					0			
<i>Pinirampus argentina</i>					0			
<i>Loricaria holmbergi</i>		1						
<i>Sturisoma barbatum</i>						0		
Cichliformes								0
<i>Saxatilia lepidota</i>					0			
Cyprinodontiformes								0
<i>Amatolebias patriciae</i>					0			
<i>Argolebias nigripinnis</i>					0			
<i>Argolebias paranaensis</i>					0			
<i>Titanolebias monstrosus</i>					0			
	1	7	1	-1	0	-1	1	

class ACTINOPTERI

order CHARACIFORMES

family Crenuchidae

Characidium Reinhardt, 1867

C. pterostictum Gomes, 1947

first record for Paraguay

published in Vera-Alcaraz & Rojas (2022) sub *C. cf. pterostictum*

C. zebra Eigenmann, 1909

first record for Paraguay

published in Vera-Alcaraz & Rojas (2022) sub *C. cf. zebra*

family **Anostomidae****Schizodon** Agassiz, 1829**S. altoparanae** Garavello & Britski, 1990
first record from the upper Paraná basin
published in Garavello & Britski (2019)[info](#)family **Curimatidae****Steindachnerina** Fowler, 1906**S. nigrotaenia** (Boulenger, 1902)
resurrected from synonymy of *S. brevipinna*
published in Britski et al. (2019)[info](#)family **Bryconidae**

subfamily Salmoninae

Salminus Agassiz, 1829**S. hilarii** Valenciennes, 1850
first evidence-based confirmation for Paraguay
published in Lima (2022)family **Characidae**

subfamily Stethaprioninae

tribus Stethaprionini

Moenkhausia Eigenmann, 1903**M. australis** Eigenmann, 1908
revalidated from synonymy with *M. sanctaefilomenae*
published in Reia et al. (2019)**M. bonita** Benine, Castro & Sabino, 2004
first record for Paraguay
published in Dickens (2019)[info](#)

tribus Probolodini

Deuterodon Eigenmann, 1907**D. luetkenii** (Boulenger, 1887)
comb.nov. from *Hyphessobrycon*
published in Terán et al. (2020)[info](#)

tribus Gymnocharacini

Psalidodon Eigenmann, 1911**P. anisitsi** (Eigenmann, 1907)
comb.nov. from *Hyphessobrycon*
published in Terán et al. (2020)[info](#)**P. eigenmanniorum** (Cope, 1894)
comb.nov. from *Astyanax*
published in Terán et al. (2020)[info](#)

P. pellegrini (Eigenmann, 1907)
 comb.nov. from *Astyanax* [info](#)
 published in Terán et al. (2020)

P. rutilus (Jenyns, 1842)
 comb.nov. from *Astyanax* [info](#)
 published in Terán et al. (2020)

Stethaprioninae considered not to be distributed in Paraguay

Tetragonopterus sanctaefilomenae Steindachner, 1907 | in CLOFFAR sub *Moenkhausia* s. | Mirande et al. (2020)

subfamily Stevardiinae

tribus Diapomini

Bryconamericus Eigenmann, 1907

B. coeruleus Jerep & Shibatta, 2017
 first record for Paraguay
 published in Vera-Alcaraz & Rojas (2022) sub *B. cf. coeruleus*

order **GYMNOTIFORMES**

family **Gymnotidae**

Gymnotus Linnaeus, 1758

G. cuia Craig, Malabarba, Crampton & Albert, 2018
 new species from Argentina, Paraguay and Uruguay
 published in Craig et al. (2018) [info](#)

order **SILURIFORMES**

family **Callichthyidae**

subfamily Corydoradinae

Brochis Cope, 1871

B. britskii (Nijssen & Isbrücker, 1983)
 comb.nov. from *Corydoras* [info](#)
 published in Dias et al. (2024)

Corydoras Lacepède, 1803

C. aurofrenatus Eigenmann & Kennedy, 1903
Corydoras ellisae Gosline, 1940 is a junior synonym
 published in Tencatt et al. (2020) [info](#)

Gastrodermus Cope, 1878

G. hastatus (Eigenmann & Eigenmann, 1888)
 comb.nov. from *Corydoras* [info](#)
 published in Dias et al. (2024)

G. undulatus (Regan, 1912)
 first record from Paraguay sub *Corydoras undulatus* [info](#)
 published in Bono et al. (2019)

comb.nov. from *Corydoras* [info](#)
published in Dias et al. (2024)

Hoplisoma Swainson, 1838

H. diphyes (Axenrot & Kullander, 2003)
comb.nov. from *Corydoras* [info](#)
published in Dias et al. (2024)

H. polystictum (Regan, 1912)
comb.nov. from *Corydoras* [info](#)
published in Dias et al. (2024)

Osteogaster Cope, 1894

O. aeneus (Gill, 1858)
comb.nov. from *Corydoras* [info](#)
published in Dias et al. (2024)

family

Loricariidae

subfamily

Loricariinae

tribus

Loricariini

Loricaria Linnaeus, 1758

L. holmbergi Rodriguez & Miquelarena, 2005
first record from Paraguay [info](#)
published in Londoño-Burbano et al. (2020)

Sturisoma Swainson, 1838

S. barbatum (Kner, 1853)
Sturisoma robustum Regan, 1904 is a junior synonym [info](#)
published in Cardoso et al. (2023)

family

Doradidae

subfamily

Doradinae

Doras Lacepède, 1803

D. punctatus Kner, 1855
comb.nov. from *Ossancora* [info](#)
published in Sabaj & Arce (2021)

family

Pimelodidae

subfamily

Pimelodinae

Pinirampus Bleeker, 1858

P. argentina (MacDonagh, 1938)
comb.nov. from *Megalonema* [info](#)
published in Grant (2019)

order **CICHLIFORMES**

family **Cichlidae**

subfamily Cichlinae

tribus Geophagini

Saxatilia Varella, Kullander, Menezes, Oliveira & Lopez-Fernandez, 2023 [gen.nov.]

S. lepidota (Heckel, 1840)

comb.nov. from *Crenicichla*

[info](#)

published in Varella et al. (2023)

order **CYPRINODONTIFORMES**

family **Rivulidae**

subfamily Cynolebiinae

tribus Cynolebiini

Amatolebias Alonso, Terán, Serra, Calviño & Montes, 2023 [gen.nov.]

A. patriciae (Huber, 1995)

comb.nov. from *Austrolebias*

[info](#)

published in Alonso et al. (2023)

Argolebias Costa, 2008 [stat.nov., from subgen. to gen.]

A. nigripinnis (Regan, 1912)

comb.nov. from *Austrolebias*

[info](#)

published in Alonso et al. (2023)

A. paranaensis (Costa, 2006)

comb.nov. from *Austrolebias*

[info](#)

published in Alonso et al. (2023)

Titanolebias Alonso, Terán, Serra, Calviño & Montes, 2023 [gen.nov.]

T. monstrosus (Huber, 1995)

comb.nov. from *Austrolebias*

[info](#)

published in Alonso et al. (2023)

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