

CLOFFUY - update 3 - supplement to Checklist of the Freshwater Fishes of Uruguay.

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Remarks on this update

It is a pleasure to announce that Wilson Sebastián Serra has joined our team starting with this update and that finally an ichthyologist from Uruguay is participating in this project. Sebastián works as curator of the ichthyological collection at the Museo Nacional de Historia Natural in Montevideo.

Since the publishing of the second update to CLOFFUY several interesting papers have been published which in total contain 21 changes. That this high number of changes make the quantity of species increase only by 4 to a new total count of 303 has been caused by the recently published paper of Terán et al. (2020). These authors proposed 8 new combinations for the subfamily Stethaprioninae which, of course, does not affect the total number of freshwater fishes found in Uruguay. Several new species have been described from type or paratype localities in Uruguay, including 2 gymnotids and a cichlid, and for others first records for the country have been reported.

	CLOFF UY	update # 1	update # 2	update # 3	total
Myliobatiformes	2				2
Acipenseriformes	2	1			3
Clupeiformes	4				4
Cypriniformes	1				1
Characiformes	90	2	-1	1	92
Gymnotiformes	9	2		2	13
Siluriformes	103	15	-1	0	117
Gobiiformes	2				2
Synbranchiformes	1				1
Pleuronectiformes	3				3
Cichliformes	23	1	3	1	28
Atheriniformes	6	1			7
Cyprinodontiformes	28	-1		0	27
Perciformes	2				2
Mugiliformes	1				1
total	277	21	1	4	303

The aim of this list of species of freshwater fishes from Uruguay is to provide an updated supplement to the 'Checklist of Freshwater Fishes of Uruguay (CLOFFUY)' published by Litz & Koerber (2014) [LK]. Only those species are listed here that have not been included in that paper and the subsequent updates or which have undergone systematical changes since then. Changes in this sense may be new species, synonymies, re-validations, new generic combinations etc., every factor which might modify the data published at present.

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 CLOFFUY. 'NEW' after species names indicates that this record has not been included in previously published updates. 'Info' provides hyperlinks to the individual species accounts in www.pecescriellos.de, usually with figures and some data from the respective publication.

class ACTINOPTERI Fricke et al. (2019a)

order **ACIPENSERIFORMES**

family **Acipenseridae**

Acipenser Linnaeus, 1758

A. gueldenstaedtii Brandt & Ratzeburg, 1833

 first record from Uruguay [info](#)

 published in Serra et al. (2014)

 remarks introduced exotic species !

 origin Europe and Middle East: Black Sea, Sea of Azov, and Caspian Sea watersheds

order **CHARACIFORMES**

family **Crenuchidae**

Characidium Reinhardt, 1867

C. zebra Eigenmann, 1909

 first record from Uruguay [info](#)

 published in Serra et al. (2014)

 sub *Characidium* aff. *zebra*

 remarks This is the species which in the past erroneously was addressed as *C. fasciatum*.

Crenuchidae considered not to be distributed in Uruguay

Characidium fasciatum Reinhardt, 1867 | in LK sub *Characidium fasciatum* | Serra et al. (2014) [info](#)

family **Erythrinidae**

Hoplias Gill, 1903

H. argentinensis Rosso et al., 2018

 first record from Uruguay [info](#)

 published in Paullier et al. (2019) NEW

family **Anostomidae**

Megaleporinus Ramirez, Birindelli & Galetti, 2017

M. obtusidens (Valenciennes, 1837)

 new combination from *Leporinus* [info](#)

 published in Ramirez et al. (2017) NEW

family	Characidae	Mirande (2018)	
subfamily	Stethaprioninae	Terán et al., 2020	
tribus	Stethaprionini		
Hyphessobrycon Durbin, 1908			
	H. igneus Miquelarena, Menni, López & Casciotta, 1980		
	first record from Uruguay	info	
	published in Serra et al. (2014) sub <i>H. aff. igneus</i>		
	H. togoi Miquelarena & López, 2006		
	first record from Uruguay	info	
	published in Serra et al. (2014)		
tribus	Probolodini	Terán et al. (2020)	
Deuterodon Eigenmann, 1907			
	D. luetkenii (Boulenger, 1887)		
	new combination from <i>Hyphessobrycon</i>	info	NEW
	published in Terán et al. (2020)		
	D. taeniatus (Jenyns, 1842)		
	new combination from <i>Astyanax</i>	info	NEW
	published in Terán et al. (2020)		
tribus	Gymnocharacini		
Andromakhe Terán, Benitez & Mirande, 2020			
	A. saguazu (Casciotta, Almirón & Azpelicueta, 2003)		
	new combination from <i>Astyanax</i>	info	NEW
	published in Terán et al. (2020)		
	A. stenohalina (Messner, 1962)		
	new combination from <i>Astyanax</i>	info	NEW
	published in Terán et al. (2020)		
Astyanax Baird & Girard, 1854			
	A. lacustris (Lütken, 1875)		
	<i>A. asuncionensis</i> and <i>jacuhiensis</i> are a jr. synonyms		
	published in Lucena & Soares (2016)		
	original <i>Tetragonopterus lacustris</i>		
	synonyms <i>Astyanax altiparanae</i> Garutti & Britski, 2000		
	<i>A. bimaculatus asuncionensis</i> Géry, 1972	info	
	<i>A. bimaculatus paraguayensis</i> Eigenm., 1921		
	<i>Tetragonopterus jacuhiensis</i> Cope, 1894	info	
Psalidodon Eigenmann, 1911			
	P. anisitsi (Eigenmann, 1907)		
	new combination from <i>Hyphessobrycon</i>	info	NEW
	published in Terán et al. (2020)		
	P. dissensus (Lucena & Thofehrn, 2013)		
	first record from Uruguay sub <i>Astyanax dissensus</i>	info	
	published in Serra et al. (2014)		
	new combination from <i>Astyanax</i>	info	NEW
	published in Terán et al. (2020)		

P. eigenmanniorum (Cope, 1894)
 new combination from *Astyanax*
 published in Terán et al. (2020) [info](#) NEW

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

Stethaprioninae - species considered not to be distributed in Uruguay

Hydrocyon hepsetus Cuvier, 1829 | in LK sub *Oligosarcus hepsetus* | Koerber & Serra (2020) [info](#) NEW
Tetragonopterus multifasciatus Eigenmann & Norris, 1900 | in LK sub *Hollandichthys m.* | Serra et al. (2014) [info](#)

subfamily Cheirodontinae

Serrapinnus Malabarba, 1998

S. kriegi (Schindler, 1937)
 first record from Uruguay
 published in Serra et al. (2018) [info](#) NEW

subfamily Stevardiinae

tribus Eretmobryconini

Markiana Eigenmann, 1903

M. nigripinnis (Perugia, 1891)
Tetragonopterus anomalus is a jr. synonym [info](#)
 published in Carvalho & Santos (2015)
 synonym *Tetragonopterus anomalus* Steindachner, 1891

tribus Diapomini

Diapoma Cope, 1894

D. alburnum (Hensel, 1870)
 new combination from *Cyanocharax* [info](#)
 published in Thomaz et al. (2015)

D. alegretense (Malabarba & Weitzman, 2003)
 new combination from *Cyanocharax*
 published in Thomaz et al. (2015)
 remarks not *alegretensis* as *Diapoma* is neuter

D. uruguayense (Messner, 1962)
 new combination from *Cyanocharax*
 published in Thomaz et al. (2015)
 remarks not *uruguayensis* as *Diapoma* is neuter

order **GYMNOTIFORMES**

family **Apteronotidae**

Apteronotus Lacepède, 1800

A. ellisi (Alonso de Arámburu, 1957)
 first record from Uruguay [info](#)
 published in Loureiro et al. (2013)
 original *Porotergus ellisi*

family **Gymnotidae****Gymnotus** Linnaeus, 1758

- G. cuia** Craig, Malabarba, Crampton & Albert, 2018 NEW
 new species from Argentina, Paraguay and Uruguay [info](#)
 published in Craig et al. (2018)
- G. inaequilabiatus** (Valenciennes, 1839) NEW
 first record from Uruguay [info](#)
 published in Loureiro et al. (2013) sub *G. inaequilabiatus*
- G. paraguensis** Albert & Crampton, 2003 NEW
 first record from Uruguay [info](#)
 published in Craig et al. (2018)

order **SILURIFORMES**family **Trichomycteridae**

subfamily Stegophilinae

Pseudostegophilus Eigenmann & Eigenmann, 1889

- P. maculatus** (Steindachner, 1879) NEW
 new combination from *Parastegophilus* [info](#)
 published in DoNascimento (2015)

family **Callichthyidae**

subfamily Corydoradinae

Corydoras Lacepède, 1803

- C. longipinnis** Knaack, 2007 NEW
 first record from Uruguay [info](#)
 published in Paullier et al. (2019)
 remarks Tencatt et al. (2016) listed preserved material of *C. cf. longipinnis*, probably referring to the same species.
- C. paleatus** (Jenyns, 1842)
 remark correction of spelling: in CLOFFUY as *palaetus*

family **Loricariidae**

Roxo et al. (2019)

subfamily Loricariinae

tribus Loricariini

Loricaria Linnaeus, 1758

- L. simillima** Regan, 1904 NEW
 first record from Uruguay [info](#)
 published in Serra et al. (2014) sub *Loricaria aff. simillima*

Loricariichthys Bleeker, 1862

- L. platymetopon** Isbrücker & Nijssen, 1979 NEW
 first record from Uruguay [info](#)
 published in Serra et al. (2014)

Rineloricaria Bleeker 1862**R. microlepidogaster** (Regan, 1904)

first record from Uruguay

published in Serra et al. (2014)

sub *Rineloricaria* aff. *microlepidogaster*[info](#)**Loricariinae considered not to be distributed in Uruguay***Loricaria nudiventris* Valenciennes, 1840 | in Litz & Koerber (2014) sub *Spatuloricaria n.* | Fichberg et al. (2014)

NEW

subfamily

Hypostominae

tribus

Hypostomini

Hemiancistrus Bleeker, 1862**H. votouro** Cardoso & da Silva, 2004

first record from Uruguay

published in Serra et al. (2014)

[info](#)**Hypostomus** Lacepède, 1803**H. isbrueckeri** Reis, Weber & Malabarba, 1990

first record from Uruguay

published in Serra et al. (2014)

[info](#)**H. roseopunctatus** Reis, Weber & Malabarba, 1990

first record from Uruguay

published in Serra et al. (2014)

[info](#)

tribus

Ancistrini

Ancistrus Kner, 1854**A. taunayi** Miranda Ribeiro, 1918

first record from Uruguay

published in Serra et al. (2014)

[info](#)

subfamily

Hypoptopomatinae

tribus

Otocinclus clade**Otocinclus** Cope, 1871**Otocinclus****O. vestitus** Cope, 1872

first record from Uruguay

published in Loureiro et al. (2013)

[info](#)

tribus

Hisonotini

Hisonotus Eigenmann & Eigenmann, 1889**H. armatus** Carvalho, Lehmann, Pereira & Reis, 2008

first record from Uruguay

published in Loureiro et al. (2013)

[info](#)

family **Aspredinidae** Carvalho et al. (2019)

subfamily Aspredininae

tribus Bunocephalini

Xyliphius Eigenmann, 1912

X. barbatus Alonso de Arámburu & Arámburu, 1962
first record from Uruguay [info](#)
published in Loureiro et al. (2013)

family **Auchenipteridae** Calegari et al. (2019)

subfamily Auchenipterinae

tribus Trachelyopterini

Trachelyopterus Valenciennes, 1840

T. galeatus (Linnaeus, 1766)
first record from Uruguay [info](#)
published in Loureiro et al. (2013)

T. lucenai Bertolotti, Pezzi da Silva & Pereira, 1995
first record from Uruguay [info](#)
published in Serra et al. (2014)

family **Heptapteridae**

Heptapterus Bleeker 1858

H. sympterygium Buckup, 1988
first record from Uruguay [info](#)
published in Loureiro et al. (2013)
sub *Heptapterus sympterygium*

Imparfinis Eigenmann & Norris, 1900

I. mishky Almirón, Casciotta, Bechara, Ruíz Díaz, Bruno, D'Ambrosio, Solimano & Soneira, 2007
first record from Uruguay [info](#)
published in Serra et al. (2014)

family **Pimelodidae**

Parapimelodus La Monte, 1933

P. nigribarbis (Boulenger, 1889)
Pimelodus nigribarbis Boulenger, 1889
first record from Uruguay [info](#)
published in Loureiro et al. (2013)

Pimelodus Lacepède, 1803

P. argenteus Perugia, 1891
Pimelodus argenteus Perugia, 1891
Pimelodus brevis Marini, Nichols & La Monte, 1933
P. brevis is a jr. synonym [info](#)
published in Rocha & Pavanelli (2014)

order **CICHLIFORMES**family **Cichlidae**

subfamily Cichlinae Smith et al. (2008)

tribus Geophagini

Gymnogeophagus Miranda Ribeiro, 1918

G. mekinos Malabarba, Malabarba & Reis, 2015
 new species from Uruguay [info](#)
 published in Malabarba et al. (2015)

G. peliochelynion Turcati, Serra-Alanis & Malabarba, 2018
 new species from Uruguay [info](#) NEW
 published in Turcati et al. (2018)

G. pseudolabiatius Malabarba, Malabarba & Reis, 2015
 new species from Uruguay [info](#)
 published in Malabarba et al. (2015)

G. terrapurpura Loureiro, Zarucki, Malabarba & González-Bergonzoni, 2016
 new species from Uruguay [info](#)
 published in Loureiro et al. (2016)

tribus Cichlasomatini

Cichlasoma Swainson, 1839

C. portalegrense (Hensel, 1870)
 first record from Uruguay [info](#)
 published in Loureiro et al. (2013) sub *C. portalegrensis*

order **ATHERINIFORMES**family **Atherinopsidae**

subfamily Atherinopsinae

tribus Sorgentinini

Odontesthes Evermann & Kendall, 1906

O. argentinensis (Valenciennes, 1835)
 first record from Uruguay [info](#)
 published in Loureiro et al. (2013)

order **CYPRINODONTIFORMES**family **Rivulidae**

subfamily Cynolebiasinae

tribus Cynolebiasini

Austrolebias Costa, 1998

A. affinis (Amato, 1986)
Austrolebias duraznensis is a jr. synonym [info](#)

- published in Serra et al. (2014)
- A. bellottii*** (Steindachner, 1881)
Austrolebias apaii is a jr. synonym [info](#) NEW
 published in Calviño et al. (2016)
- A. cinereus*** (Amato, 1986)
Austrolebias vazferreirai is a jr. synonym [info](#) NEW
 published in García et al. (2019)
 remarks This action also makes *A. nioni* a jr. synonym of *A. cinereus*.
- A. queguay*** Serra & Loureiro, 2018
 new species from Uruguay [info](#) NEW
 published in Serra & Loureiro (2018)

family

Anablepsidae

subfamily

Anablepsinae

Jenynsia Guenther, 1866

- J. lineata*** (Jenyns, 1842)
Jenynsia multidentata is a junior synonym [info](#) NEW
 published in Amorim (2018)

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