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# Checklist of the Freshwater Fishes of Colombia

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## Abstract

Data derived from the literature supplemented by examination of specimens in collections show that 1435 species of native fishes live in the freshwaters of Colombia. These species represent 14 orders and 47 families. Orders with the largest numbers of species in the Colombian continental ichthyofauna are the Characiformes (637 species), Siluriformes (524 species), Perciformes (124 species), and Gymnotiformes (74 species), with the remaining 10 orders having from 1 to 35 species. At the family level, the Characidae has the greatest number of species (399 species), with this followed by the Loricariidae (166 species), Cichlidae (114 species), Pimelodidae (54 species), and Trichomycteridae (54 species); the remaining 42 families having 1 to 52 species. Present data indicate that 311 of the species occur solely at locations within Colombia. Continued descriptions of new species from the continental waters of Colombia demonstrate that the present total underestimates the species-level diversity of the ichthyofauna. The 1435 species living in Colombian freshwaters represent approximately 5% of all freshwater and marine fish species now recognized worldwide and approximately 29% of the freshwater fish species known to inhabit the drainages across the expanse from the southern border of Mexico through to Chile and Argentina. Various historical and ecological factors potentially contributing to the species-level richness of the Colombian freshwater fish fauna are discussed (e.g. geology, climate, physiography, water chemistry).

**Key words:** Diversity, distribution, NW South America, ichthyofauna, Colombia

## Resumen

*Datos provenientes de literatura, complementados por la revisión de especímenes en colecciones muestran que 1435 especies nativas de peces viven en las aguas dulces de Colombia. Estas especies representan 14 órdenes y 47 familias. Los órdenes con el mayor número de especies son Characiformes (637 especies), Siluriformes (524 especies), Perciformes (124 especies) y Gymnotiformes (74 especies); los restantes órdenes tiene de 1 a 35 especies. Al nivel de familia, Characidae posee el mayor número de especies (399 especies), seguida de Loricariidae (166 especies), Cichlidae (114 especies), Pimelodidae (54 especies) y Trichomycteridae (54 especies); las restantes 42 familias tienen de 1 a 52 especies. Los datos presentados indican que 311 especies se encuentran distribuidas solamente en Colombia. La descripción continua de nuevas especies provenientes de las aguas continentales de Colombia, demuestra que el número total de especies registrado subestima la diversidad específica de su ictiofauna. Las 1435 especies que viven en las aguas dulces colombianas representan aproximadamente 5% de todas las especies marinas y dulceacuólicas hoy en día reconocidas a nivel global y aproximadamente el 29% de los peces de agua dulce que habitan las aguas continentales desde el límite sur de México hasta Chile y Argentina. Varios factores históricos y ecológicos que potencialmente contribuyen a ésta gran riqueza de peces de agua dulce en Colombia son discutidos (p.ej. geología, clima, fisiografía, química de las aguas).*

**Palabras clave:** Diversidad, distribución, Sur America noroccidental, ichthyofauna, Colombia

## Introduction

The remarkable Colombian biota has long interested naturalists and scientists, with the first discussion of Colombian freshwater fishes dating back two and one-half centuries to de la Rosa (1756). Studies, both formal and informal, during the following decades yielded dramatic increases in our knowledge of the diversity of Colombian freshwater fishes. Formal scientific studies of the ichthyofauna commenced with Alexander von Humboldt who together with Aimée Bopland collected in various regions in northwestern and western Colombia during 1800 and 1801 (Papavero 1971: map 2). Specimens from their expeditions were the basis for the earliest scientific publications focused on Colombian freshwater fishes (Humboldt 1805a, 1805b; Humboldt & Valenciennes 1821). Alfred Russel Wallace (of Natural Selection fame) collected fishes throughout the Rio Negro basin including the Rio Vaupes system within Colombia between 1850 and 1852. Unfortunately, those specimens were lost with the sinking of the ship returning Wallace and his collections to England. Wallace was, however, able to save his extensive series of sketches of many species. Until recently, the only discussion of the fishes illustrated in Wallace's sketches was that of Regan (1905), which treated the species briefly and specifically deferred from discussing new species depicted in the drawings. A recent annotated publication of the illustrations and history of Wallace's collecting trips (Wallace 2002) made it clear that the collection included a number of species living in the river systems of eastern Colombia and which were new to science at the time of Wallace's expedition (Toledo-Piza *et al.* 1999; Wallace 2002; Vari & Ferraris 2006).

Subsequent decades saw the publication of hundreds of papers expanding our knowledge of the diversity of this fish fauna. Whereas many of these papers involved only the description of a single new species, others incorporated descriptions and redescrptions of multiple species and/or range extensions. Alternatively, many publications focused on, or to some degree included information on, the life history, distribution, and economic importance of diverse fish species from the drainages of Colombia. Information from those papers complemented by extensive fieldwork provided the foundation for a series of major overviews of the ichthyofaunas of entire drainage basins within Colombia or of broad regions within that country. A compendium of that extensive literature lies beyond the scope and purpose of this publication, but the reader can refer to Maldonado-Ocampo & Usma (2006) for a listing of many of the papers dealing with Colombian freshwater fishes; that summary notwithstanding, the contributions of certain researchers deserve specific comment.

The major upsurge in publications focused on Colombian freshwater fishes began in the latter part of the nineteenth century. These papers were primarily by researchers who studied specimens from Colombian freshwaters sent to European collections, most notably the museums in Vienna and London. Outstanding in this respect were the detailed and superbly illustrated publications on fishes from the Río Magdalena basin published by Franz Steindachner (1878, 1880). The early part of the twentieth century witnessed a flourishing of research on Colombian freshwater fishes. These endeavors involved both Colombian scientists (e.g., Posada 1909) and European and North American ichthyologists. Most of these non-Colombian scientists studied material sent to them from collectors in Colombia (e.g., Regan 1913, 1914); however, a subset of these researchers both collected in the country and reported on its fish fauna.

Most prominent among these foreign ichthyologists was Carl Eigenmann who together with his collaborators made extensive collections throughout major portions of Colombia between January and April of 1912. The following year two of his students, Arthur Henn and Charles Wilson, carried out additional collecting trips to other regions of Colombia. Eigenmann reported on the results of all of these expeditions and other collections of northwestern South American fishes in a stream of publications that continued for nearly a decade. In a series of smaller papers, Eigenmann focused on the description of new species and patterns of fish distribution across northwestern South America (1912, 1913, 1914a, 1914b, 1914c, 1916, 1917a, 1917b, 1920a, 1920b; 1921; 1924; Eigenmann & Fisher 1914; Eigenmann & Henn 1914). Supplementing these papers was Eigenmann's monographic study of the fresh water fishes of Colombia and adjoining regions (1922). In addition to the description of new species and genera, this massive publication provided the first summary of the fishes of northwestern South America with the species accounts complemented by an extensive series of illustrations. That information and the supplemental annotated bibliography of papers dealing with freshwater fishes in northwestern South America, made this monograph the classic that underpins all subsequent research on that fauna.

A second North American noteworthy for his publications on Colombian freshwater fishes was Henry Fowler. Although Fowler made some collections in Colombia (Fowler 1950), these efforts were much less ambitious than those undertaken by Eigenmann and his collaborators. Fowler rather actively reported on samples of Colombian fishes sent to him by various collectors within the country. Of particular note in this regard were the series of collections of freshwater fishes made by Brother Nicéforo

María in the Magdalena, Orinoco, and Amazon basins. Fowler reported on Colombian fishes in a series of papers (1941, 1943, 1944, 1945a, 1945b, 1950) and his 1942 publication summarized the species of fishes then known to live in the waters of Colombia.

Subsequent decades brought a dramatic increase in publications focused on the taxonomy and distribution of Colombian freshwater fishes. Particularly noteworthy were the very important summaries of the fishes of the Río Cauca and Río Magdalena systems by Cecil Miles (1943, 1947, respectively). Nearly a quarter of a century later, George Dahl (1971) produced a groundbreaking publication on the fishes of northern Colombia that incorporated information on both marine and freshwater fishes from that region of the country. The decades since Dahl's monograph brought intensive collecting efforts throughout the country by Colombian and foreign ichthyologists along with the publication of numerous papers (see Maldonado-Ocampo & Usma 2006). The synergy of these efforts dramatically expanded our knowledge of this ichthyofauna as documented in Mojica's (1999) preliminary list of the freshwater fish species of Colombia; a trend that continues to the present. Amply demonstrating these advances are the series of recent summaries of the ichthyofaunas of the major drainage systems in Colombia (Figure 1; Río Amazonas in Colombia, Mojica *et al.* 2005, Bogotá-Gregory & Maldonado-Ocampo, 2006a, Galvis *et al.* 2006, Galvis *et al.* 2007b; Río Putumayo, Ortega *et al.* 2006; Río Atrato, Maldonado-Ocampo *et al.* 2006a; Río Cauca, Ortega-Lara *et al.* 2006a; middle Río Magdalena, Mojica *et al.* 2006b; upper Río Magdalena, Villa-Navarro *et al.* 2006; Río Orinoco basin, Lasso *et al.* 2004a, Galvis *et al.* 2007a; Río Tomo, Maldonado-Ocampo *et al.* 2006b; Río Patía, Ortega-Lara *et al.* 2006b; Río Rancheria, Mojica *et al.* 2006a).

In this paper, we present a checklist of the freshwater fishes of Colombia based on different kinds of data and emphasize the remarkable diversity of this ichthyofauna at multiple levels. Nonetheless, the continuing description of new species of Colombian freshwater fishes (see [www.humboldt.org.co/ictiologia](http://www.humboldt.org.co/ictiologia)) makes it clear that the present checklist underestimates, perhaps to a significant degree, the actual richness of that ichthyofauna.

### Material and methods

The inclusion of species in the following list derived from three different sources of information. The first and least problematic of these were those species now recognized as valid that have type localities in the inland waters of Colombia. Catalog numbers of the type series of those species are reported in the Checklist. Species originally

described from locations outside of Colombia are included in the checklist if their occurrence within the country can be documented in one of three ways:

- 1) Citation of a species for the Colombian fish fauna in species descriptions and/or revisions of genera or families in the recent taxonomic literature. Data of this sort served as the single largest source for the inclusion of species in the listing and the authors of revisionary publications citing a species from Colombia are noted in the Checklist.
- 2) Information from specialist identified voucher specimens that originated at localities in Colombia. Vouchers are deposited in various fish collections, most notably IAvH-P, ICNMHN, and IMCN in Colombia.
- 3) Records based on identifications of specimens deposited in various Colombian collections, but not identified by experts on those taxa. Critical reexamination of such lots in the course of regional Colombian ichthyofaunal studies underlies the inclusion of the species in the checklist. A caveat is that such reports may prove in some instances to be problematic given the major uncertainties with species-level questions in many genera and families.

Initial information for this effort was taken from CLOFFSCA (Reis *et al.* 2003) supplemented by recently published regional Colombian Checklists [Lasso *et al.* (2004a), Maldonado-Ocampo (2004), Mojica *et al.* (2004, 2005), Bogotá-Gregory & Maldonado-Ocampo (2006a), Galvis *et al.* (2006), Maldonado-Ocampo *et al.* (2006a,b), Mojica *et al.* (2006a,b), Ortega *et al.* (2006), Ortega-Lara *et al.* (2006a,b), Villa-Navarro *et al.* (2006), Acero & Polanco (2007), Galvis *et al.* (2007a,b), and Mejía-Falla *et al.* (2007)]. This information was instrumental in many instances for the development of the preliminary list presented by Maldonado-Ocampo & Usma (2006). Where appropriate, these publications are cited in the Checklist. Data was cross checked and supplemented by information in recent publications dealing with species present in inland Colombian waters and/or describing new species of fishes from those drainage systems [Ferraris & Vari (1999, 2000), Toledo-Piza (2000), Albert & Crampton (2003), Armbruster (2003), López-Fernández & Winemiller (2003), Lucena (2003), Maldonado-Ocampo & Albert (2003), Reis *et al.* (2003), Armbruster (2004), Castro & Vari (2004), Malabarba (2004), Zanata & Toledo-Piza (2004), Armbruster (2005), Bockmann & Ferraris (2005), Crampton *et al.* (2005), Ferraris *et al.* (2005), Hrbek *et al.* (2005), Lundberg & Akama (2005), Reis *et al.* (2005), Sabaj (2005), Vari *et al.* (2005), Acero & Betancur (2006), Bührnheim & Malabarba (2006), Kullander & Ferreira (2006), Mautari & Menezes (2006), Menezes (2006), Vari & Ferraris (2006), Buitrago-Suárez & Burr (2007), Ferraris, (2007), Sidlauskas *et al.* (2007), Ardila Rodríguez



Figure 1. Map of Colombia and adjoining regions showing the hydrographic zones, river systems and species richness by HZ discussed in the Checklist.

(2008a,b,c), Armbruster (2008), Castellanos-Morales (2008), Friel (2008), García-Alzate & Román-Valencia (2008), García-Alzate *et al.* (2008), Lundberg & Dahdul (2008), Román-Valencia *et al.* (2008), Sabaj-Pérez & Birindelli (2008), Schindler & Staeck (2008), and Lujan *et al.* (2009)]. These papers are cited where pertinent.

In the Checklist, we include only those groups of fishes who spent their entire life cycles within freshwater systems. Consequently, we exclude the various species of marine fishes that seasonally migrate into the lower reaches of rivers during periods of decreased river flow with consequent increased levels of estuarine salinity. Also excluded from the listing are exotic species, whether introduced purposely or accidentally into Colombia. Alvarado-Forero & Gutiérrez-Bonilla (2002) provide summaries of those species.

The checklist follows the taxonomic classification used by Reis *et al.* (2003), with families arranged in systematic order, and genera and species of each family and subfamily listed alphabetically. The use of the genus *Petulanos* follows Sidlauskas & Vari (2008), and the use of Osteoglossidae follows Nelson (2006). Abbreviations for fish collections in museums, universities, and research institutions follow Leviton *et al.* (1985) and Eschmeyer & Fricke (2008).

The distribution of each species in the checklist is reported within the context of the main Colombian hydrographic zones (HZ), delimited by IDEAM (2004). These are the Amazonas basin (Amz), the Río Orinoco basin (Ori), the Río Magdalena-Río Cauca basin (Mag-Cau), the streams and rivers of the Pacific versant of Colombia (Pac), and the drainages of the Caribbean slope of Colombia (Car) (Figure 1). The reader will note that the rivers draining into the Caribbean Sea include on the one hand the large Río Magdalena-Río Cauca system (Mag-Cau) and on the other all the remaining rivers of that versant (Car). The drainage systems in the latter unit range from the moderate scaled Río Atrato to the series of streams and smaller rivers of that slope emptying into the Caribbean Sea east and west of the mouth of the Río Magdalena. This division of the Caribbean Sea drainage systems into two hydrographic zones (Mag-Cau and Car) recognizes the pronounced species richness and high degree of endemism of the ichthyofauna of the combined Río Magdalena-Río Cauca system.

In some instances, the hydrographic zones utilized in this paper subsume two or more of the freshwater ecoregions recently proposed by Abell *et al.* (2008). The more fine-scaled resolution of the latter system is potentially more informative in terms of areas of regional endemism;

however, we defer from applying it until we can confidently delimit the distribution of most species in the Colombian freshwater fish fauna. Whenever possible, we base the citation of the occurrence of species in various hydrographic zones on publications by specialists. Supplementing those records were critically evaluated voucher specimens and literature records. Citations of Colombian species as endangered or extinct follow Mojica *et al.* (2002), Acero & Betancur (2006), and Prada-Pedrerros *et al.* (2006).

## Results

The Checklist cites 1435 species of fishes as inhabiting freshwater systems in Colombia, with these species distributed across 14 orders and 47 families. Dominant in the overall fish fauna is the superorder Ostariophysii with 1235 species or 86% of the total fauna, including the two most speciose orders in the continental Colombian ichthyofauna; these are the Characiformes with 637 species (44% of total) and Siluriformes with 524 species (37% of total). Other orders with noteworthy numbers of species are the Perciformes (124 species) and Gymnotiformes (74 species), with the 10 remaining orders having 1 to 35 species in Colombian freshwaters (Table 1). Families with the most species are the Characidae (399 species; 27.5% of the total species), Loricariidae (166 species), Cichlidae (114 species), Pimelodidae (54 species), and Trichomycteridae (54 species). The remaining 42 families are represented in Colombia by 1 to 52 species (Table 2). We identify 311 species in the Checklist as presently known only from freshwater habitats in Colombia, with these therefore identified as endemics for the country.

In the Checklist, we cite 42 species of threatened and extinct fresh water fishes; this number of species differs from the total in Mojica *et al.* (2002) due to changes in the taxonomic status of some nominal species in recent systematic studies. *Brachyplatystoma flavicans* Castelnau, 1855 and *Paulicea luetkeni* Steindachner, 1877 that were both in the Red List are now synonyms of *Zungaro zungaro* Humboldt, 1821. Similarly, *Ageneiosus caucanus* Steindachner, 1880 and *A. freiei* Schultz, 1944 are now in the synonymy of *A. pardalis* Lütken, 1874 with *Saccodon caucae* Schultz & Miles, 1943 a synonym of *S. dariensis* Meek & Hildebrand, 1913. In each instance, the synonymy of perceived threatened nominal forms (*Ageneiosus caucanus*, *A. freiei*, *Brachyplatystoma flavicans*, *Paulicea luetkeni*, *Saccodon caucae*) into species not considered endangered (*Ageneiosus pardalis*, *Saccodon dariensis*, *Zungaro zungaro*) necessitated the removal of the cited nominal species from endangered status. Alternatively, some newly described species previously thought to be part of a broadly distributed form (e.g., *Pseudoplatystoma magdaleniatum* and *P. metaense* Buitrago-Suárez &

**Table 1.** Number of families and species in each order of fishes present in the freshwaters of Colombia.

Orders	# Species	%	# Families	%
Characiformes	637	44,4	14	29,8
Siluriformes	524	36,5	12	25,5
Perciformes	124	8,6	4	8,2
Gymnotiformes	74	5,2	5	10,2
Cyprinodontiformes	35	2,4	2	4,1
Clupeiformes	11	0,8	2	4,1
Myliobatiformes	9	0,6	1	2,0
Pleuronectiformes	7	0,5	1	2,0
Beloniformes	5	0,3	1	2,0
Batrachoidiformes	3	0,2	1	2,0
Osteoglossiformes	3	0,2	1	4,1
Lepidosireniformes	1	0,1	1	2,0
Synbranchiformes	1	0,1	1	2,0
Tetraodontiformes	1	0,1	1	2,0
<b>Total</b>	<b>1435</b>	<b>100</b>	<b>47</b>	<b>100</b>

Burr, 2007, respectively, from the Río Magdalena basin and Río Meta systems) apparently are endangered (see Arce Hernández (2008) concerning former species). The consequences of these nomenclatural changes for management and conservation issues exemplify the importance of thorough revisionary analysis of all components of the fish fauna. Recently published information on the ecology and distribution of various nominal species similarly resulted in changes in the status of some species included in Mojica *et al.* (2002).

Of the total number of species, 387 or 27% were based on type series that originated within Colombia (see Checklist). Interestingly, the type localities of 65% of the species with type localities within Colombia (252 of 387 species) originated in trans-Andean locations. The Río Magdalena-Cauca was the source of over half of the trans-Andean species total (138 species), with the Pacific versant (78 species) and Caribbean slope drainages (36 species) accounting for the remainder. The 33% of the species whose type-series originated at cis-Andean sites within Colombia were primarily from the Río Orinoco basin (90 species) and with relatively few originating in

the Colombian Amazon (36 species), the region of the country that has been least explored ichthyologically. Six recognized species have indefinite type localities of "Colombia".

As reported previously by Maldonado-Ocampo & Usma (2006), the Amazon and Orinoco hydrographic zones are the richest in terms of total numbers of species. Following these zones in order of decreasing richness are the Magdalena-Cauca, Caribbean slope drainages, and Pacific versant rivers (Figure 1). There is a striking lack of correlation between the hydrographic zones with the richest fish faunas within Colombia (Amazon and Orinoco) and the hydrographic zones that were the point of origin for the majority of type-series of fishes that originated in Colombian inland waters (Magdalena-Cauca, Caribbean, and Pacific versants). The discussion details how the historical focus on collecting fishes in trans-Andean drainages resulted in a disproportionate number of taxonomic studies of those regional components of the Colombian continental fish fauna. This historical collecting and the resultant research bias undoubtedly underlies these contrasting patterns.

**Table 2.** Number of species for each family of fishes present in the freshwaters of Colombia.

Family	# Species	%	Family	# Species	%
Characidae	399	27,7	Pseudopimelodidae	11	0,8
Loricariidae	166	11,5	Prochilodontidae	10	0,7
Cichlidae	114	7,9	Acestrorhynchidae	9	0,6
Pimelodidae	54	3,8	Potamotrygonidae	9	0,6
Trichomycteridae	54	3,8	Gasteropelecidae	8	0,6
Doradidae	52	3,6	Achiridae	7	0,5
Anostomidae	51	3,5	Ctenoluciidae	7	0,5
Curimatidae	47	3,3	Engraulidae	7	0,5
Heptapteridae	44	3,1	Sciaenidae	7	0,5
Callichthyidae	42	2,9	Parodontidae	6	0,4
Auchenipteridae	41	2,9	Belonidae	5	0,3
Lebiasinidae	36	2,5	Chilodontidae	5	0,3
Apteronotidae	30	2,1	Rhamphichthyidae	5	0,3
Crenuchidae	30	2,1	Erythrinidae	4	0,3
Astrolepidae	24	1,7	Pristigasteridae	4	0,3
Rivulidae	21	1,5	Batrachoididae	3	0,2
Cetopsidae	18	1,3	Osteoglossidae	3	0,2
Aspredinidae	17	1,2	Eleotridae	2	0,1
Poeciliidae	14	1,0	Tetraodontidae	1	0,1
Gymnotidae	14	1,0	Ariidae	1	0,1
Hemiodontidae	14	1,0	Lepidosirenidae	1	0,1
Sternopygidae	14	1,0	Polycentridae	1	0,1
Cynodontidae	11	0,8	Synbranchidae	1	0,1
Hypopomidae	11	0,8	Total =	1435	100

**Checklist of the native freshwater fishes of Colombia.** Listing does not include introduced species, nor does it include marine forms that only seasonally penetrate into the lower portions of rivers and streams. Figure 1 show the hydrographic zones and major river systems discussed in the text. Abbreviations: DC – species with their type locality in Colombia. EN – species now only known from Colombian freshwaters (endemics). CT – Endangered and threatened species (from Mojica *et al.* (2002) with listing modified as discussed in text). Amz – Amazon basin. Ori – Orinoco basin. Mag-Cauca – Río Magdalena-Río Cauca basin. Pac – Pacific slope rivers. Car – Caribbean slope rivers. Collections/references – catalog numbers are type series of species described from locations in Colombia; references either a) cite revisions and descriptions that document the presence of a species with a type-locality outside of Colombia in that country, or 2) cite publications that report a species as present in particular drainage basins within Colombia (see text). Non-type voucher IAVH-P lots that were the basis for the inclusion of a species in the checklist are indicated by an asterisk (\*).

Taxa	DC	EN	CT	Amz	Ori	Mag-Cauc	Pac	Car	Collections/References
<b>Myliobatiformes</b>									
<b>Potamotrygonidae</b>									
<i>Paratrygon aiereba</i> (Müller & Henle, 1841)				X	X				Maldonado-Ocampo <i>et al.</i> 2006b, Ortega <i>et al.</i> 2006, Mejía-Falla <i>et al.</i> 2007
<i>Potamotrygon castexi</i> Castello & Yagolkowski, 1969				X					Ortega <i>et al.</i> 2006, Mejía-Falla <i>et al.</i> 2007
<i>Potamotrygon constellata</i> (Vaillant, 1880)				X					Bogotá-Gregory & Maldonado-Ocampo 2006, Galvis <i>et al.</i> 2007b, Mejía-Falla <i>et al.</i> 2007
<i>Potamotrygon histrix</i> (Müller & Henle, 1834)				X					Bogotá-Gregory & Maldonado-Ocampo 2006, Ortega <i>et al.</i> 2006, Mejía-Falla <i>et al.</i> 2007
<i>Potamotrygon magdalenae</i> (Duméril, 1865)	X	X				X		X	MNHN A-2368; Mejía-Falla <i>et al.</i> 2007
<i>Potamotrygon motoro</i> (Müller & Henle, 1841)				X	X				Lasso <i>et al.</i> 2004, Maldonado-Ocampo 2004, Bogotá-Gregory & Maldonado-Ocampo 2006, Maldonado-Ocampo <i>et al.</i> 2006b, Mojica <i>et al.</i> 2005, Ortega <i>et al.</i> 2006, Galvis <i>et al.</i> 2007a,b, Mejía-Falla <i>et al.</i> 2007
<i>Potamotrygon orbignyi</i> (Castelnau, 1855)					X				Lasso <i>et al.</i> 2004, Maldonado-Ocampo <i>et al.</i> 2006b, Galvis <i>et al.</i> 2007a
<i>Potamotrygon schroederi</i> Fernández-Yépez, 1958				X	X				Lasso <i>et al.</i> 2004, Bogotá-Gregory & Maldonado-Ocampo 2006, Mejía-Falla <i>et al.</i> 2007
<i>Potamotrygon yepezi</i> Castex & Castello, 1970								X	Galvis <i>et al.</i> 1997, Mojica <i>et al.</i> 2002, Mejía-Falla <i>et al.</i> 2007
<b>Lepidosireniformes</b>									
<b>Lepidosirenidae</b>									
<i>Lepidosiren paradoxa</i> Fitzinger, 1837				X	X				Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006ab
<b>Osteoglossiformes</b>									
<b>Osteoglossidae</b>									
<i>Arapaima gigas</i> (Schinz, 1822)			A1d, A2d	x					Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006, Ortega <i>et al.</i> 2006
<i>Osteoglossum bicirrhosum</i> (Cuvier, 1829)			A2d	X	X				Lasso <i>et al.</i> 2004, Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006, Maldonado-Ocampo <i>et al.</i> 2006b, Ortega <i>et al.</i> 2006, Galvis <i>et al.</i> 2007b



Taxa	DC	EN	CT	Amz	Ori	Mag-Cauc	Pac	Car	Collections/References
<i>Osteoglossum ferreirai</i> Kanazawa, 1966			A1d, A2d		X				Lasso <i>et al.</i> 2004, Maldonado-Ocampo 2004, Maldonado-Ocampo <i>et al.</i> 2006b
<b>Clupeiformes</b>									
<b>Engraulidae</b>									
<i>Amazonsprattus scintilla</i> Roberts, 1984					X				Lasso <i>et al.</i> 2004, Maldonado-Ocampo 2004, Maldonado-Ocampo <i>et al.</i> 2006b
<i>Anchoviella guianensis</i> (Eigenmann, 1912)				X	X				Lasso <i>et al.</i> 2004, Ortega <i>et al.</i> 2006, Galvis <i>et al.</i> 2007a
<i>Anchoviella jamesi</i> (Jordan & Seale, 1926)				X	X				Lasso <i>et al.</i> 2004
<i>Jurengraulis juruensis</i> (Boulenger, 1898)				X					Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006, Ortega <i>et al.</i> 2006
<i>Lycengraulis batesii</i> (Günther, 1868)				X	X				Lasso <i>et al.</i> 2004, Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Lycengraulis grossidens</i> (Agassiz, 1829)					X				Lasso <i>et al.</i> 2004, Maldonado-Ocampo 2004, Maldonado-Ocampo <i>et al.</i> 2006b
<i>Pterengraulis atherinoides</i> (Linnaeus, 1766)					X				Lasso <i>et al.</i> 2004, Galvis <i>et al.</i> 2007a
<b>Pristigasteridae</b>									
<i>Ilisha amazonica</i> (Miranda Ribeiro, 1920)				X					Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Pellona castelnaeana</i> Valenciennes, 1847				X	X				Lasso <i>et al.</i> 2004, Maldonado-Ocampo 2004, Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006, Maldonado-Ocampo <i>et al.</i> 2006b, Ortega <i>et al.</i> 2006
<i>Pellona flavipinnis</i> (Valenciennes, 1837)				X	X				Lasso <i>et al.</i> 2004, Maldonado-Ocampo 2004, Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006, Maldonado-Ocampo <i>et al.</i> 2006b, Ortega <i>et al.</i> 2006
<i>Pristigaster cayana</i> Cuvier, 1829				X					Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006, Ortega <i>et al.</i> 2006
<b>Characiformes</b>									
<b>Parodontidae</b>									
<i>Parodon apolinari</i> Myers, 1930	X				X				SU 23725
<i>Parodon buckleyi</i> Boulenger, 1887				X					Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Parodon caliensis</i> Boulenger, 1895	X	X	NT			X			BMNH 1895.11.16.83-87
<i>Parodon pongoensis</i> (Allen, 1942)				X					Bogotá-Gregory & Maldonado-Ocampo 2006, Galvis <i>et al.</i> 2007b
<i>Parodon suborbitalis</i> Valenciennes, 1850						X		X	Maldonado-Ocampo <i>et al.</i> 2005

Taxa	DC	EN	CT	Amz	Ori	Mag-Cauc	Pac	Car	Collections/References
<i>Saccodon dariensis</i> (Meek & Hildebrand, 1913)			NT			X		X	Maldonado-Ocampo <i>et al.</i> 2005, 2006a, Mojica <i>et al.</i> 2006b, Ortega-Lara <i>et al.</i> 2006a, Villa-Navarro <i>et al.</i> 2006
<b>Curimatidae</b>									
<i>Curimata aspera</i> (Günther, 1868)				X					Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006, Ortega <i>et al.</i> 2006
<i>Curimata cerasina</i> Vari, 1984				X					Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Curimata cisandina</i> (Allen, 1942)				X					Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Curimata cyprinoides</i> (Linnaeus, 1766)				X					Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Curimata incompta</i> Vari, 1984				X	X				Lasso <i>et al.</i> 2004, Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Curimata mivartii</i> (Steindachner, 1878)	X	X	A2d			X			NMW 68759.1., 68757-58, 68759.2, 68760-61; ZMUC 88
<i>Curimata ocellata</i> (Eigenmann & Eigenmann, 1889)				X					Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Curimata roseni</i> Vari, 1989				X					Bogotá-Gregory & Maldonado-Ocampo 2006, Galvis <i>et al.</i> 2007b
<i>Curimata vittata</i> (Kner, 1858)				X	X				Lasso <i>et al.</i> 2004, Maldonado-Ocampo 2004, Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006, Ortega <i>et al.</i> 2006, Galvis <i>et al.</i> 2007a,b
<i>Curimatella alburna</i> (Müller & Troschel, 1844)				X					Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006, Ortega <i>et al.</i> 2006, Galvis <i>et al.</i> 2007b
<i>Curimatella dorsalis</i> (Eigenmann & Eigenmann, 1889)				X	X				Lasso <i>et al.</i> 2004, Maldonado-Ocampo 2004, Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006, Galvis <i>et al.</i> 2007a,b
<i>Curimatella immaculata</i> (Fernández-Yépez, 1948)				X	X				Lasso <i>et al.</i> 2004, Maldonado-Ocampo 2004, Bogotá-Gregory & Maldonado-Ocampo 2006, Maldonado-Ocampo <i>et al.</i> 2006b, Galvis <i>et al.</i> 2007a,b
<i>Curimatella meyeri</i> (Steindachner, 1882)				X					Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006, Ortega <i>et al.</i> 2006, Galvis <i>et al.</i> 2007b
<i>Curimatopsis crypticus</i> Vari, 1982					X				Lasso <i>et al.</i> 2004, Maldonado-Ocampo 2004
<i>Curimatopsis evelynae</i> Géry, 1964	X				X				USNM 19864, 198638; Géry personal collection 365 (now MNHG 2192.26); MNHN 1982-0764
<i>Curimatopsis macrolepis</i> (Steindachner, 1876)				X	X				Lasso <i>et al.</i> 2004, Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006, Ortega <i>et al.</i> 2006

Taxa	DC	EN	CT	Amz	Ori	Mag-Cauc	Pac	Car	Collections/References
<i>Cyphocharax abramoides</i> (Kner, 1858)					X				Lasso <i>et al.</i> 2004
<i>Cyphocharax festivus</i> Vari, 1992				X	X				Lasso <i>et al.</i> 2004, Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Cyphocharax gillii</i> (Eigenmann & Kennedy, 1903)				X					Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Cyphocharax leucostictus</i> (Eigenmann & Eigenmann, 1889)				X					Galvis <i>et al.</i> 2007b
<i>Cyphocharax magdalenae</i> (Steindachner, 1878)	X	X				X		X	NMW 68873.1
<i>Cyphocharax multilineatus</i> (Myers, 1927)				X	X				Galvis <i>et al.</i> 2007ab
<i>Cyphocharax nigripinnis</i> Vari, 1992				X					Bogotá-Gregory & Maldonado-Ocampo 2006, Galvis <i>et al.</i> 2007b
<i>Cyphocharax oenas</i> Vari, 1992					X				Maldonado-Ocampo <i>et al.</i> 2006b, Galvis <i>et al.</i> 2007a
<i>Cyphocharax pantostictus</i> Vari & Barriga S., 1990				X					Bogotá-Gregory & Maldonado-Ocampo 2006, Ortega <i>et al.</i> 2006
<i>Cyphocharax spiluropsis</i> (Eigenmann & Eigenmann, 1889)				X					Bogotá-Gregory & Maldonado-Ocampo 2006, Ortega <i>et al.</i> 2006, Galvis <i>et al.</i> 2007b
<i>Cyphocharax spilurus</i> (Günther, 1864)				X	X				Lasso <i>et al.</i> 2004, Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006, Galvis <i>et al.</i> 2007a
<i>Cyphocharax stilbolcpis</i> Vari, 1992				X					Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Potamorhina altamazonica</i> (Cope, 1878)				X	X				Lasso <i>et al.</i> 2004, Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006, Ortega <i>et al.</i> 2006
<i>Potamorhina laticeps</i> (Valenciennes, 1850)								X	Galvis <i>et al.</i> 1997
<i>Potamorhina latior</i> (Spix & Agassiz, 1829)				X					Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006, Ortega <i>et al.</i> 2006, Galvis <i>et al.</i> 2007b
<i>Potamorhina pristigaster</i> (Steindachner, 1876)				X					Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Psectrogaster amazonica</i> Eigenmann & Eigenmann, 1889				X					Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006, Ortega <i>et al.</i> 2006, Galvis <i>et al.</i> 2007b
<i>Psectrogaster ciliata</i> (Müller & Troschel, 1844)					X				Lasso <i>et al.</i> 2004
<i>Psectrogaster cssequibensis</i> (Günther, 1864)				X					Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Psectrogaster rhomboides</i> Eigenmann & Eigenmann, 1889				X					Bogotá-Gregory & Maldonado-Ocampo 2006

Taxa	DC	EN	CT	Amz	Ori	Mag-Cauc	Pac	Car	Collections/References
<i>Psectrogaster rutiloides</i> (Kner, 1858)				X					Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006, Ortega <i>et al.</i> 2006
<i>Pseudocurimata lineopunctata</i> (Boulenger, 1911)	X						X	X	BMNH 1910.7.11.159, 1910.7.11.160-162
<i>Pseudocurimata patiae</i> (Eigenmann, 1914)	X	X					X		FMNH 56554, 56555; CAS 60622 [ex IU 13055]
<i>Steindachnerina argentea</i> (Gill, 1858)				X	X				Lasso <i>et al.</i> 2004, Maldonado-Ocampo <i>et al.</i> 2006b, Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Steindachnerina atratoensis</i> (Eigenmann, 1912)	X	X						X	FMNH 56024 [ex CM 4814a], 56043, 71308; CAS 44218 [ex IU 12676]; MCZ 30933; USNM 79192
<i>Steindachnerina bimaculata</i> (Steindachner, 1876)				X					Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Steindachnerina dobula</i> (Günther, 1868)				X					Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006, Ortega <i>et al.</i> 2006, Galvis <i>et al.</i> 2007b
<i>Steindachnerina guentheri</i> (Eigenmann & Eigenmann, 1889)				X	X				Lasso <i>et al.</i> 2004, Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006, Ortega <i>et al.</i> 2006, Galvis <i>et al.</i> 2007a
<i>Steindachnerina hypostoma</i> (Boulenger, 1887)				X					Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006, Ortega <i>et al.</i> 2006
<i>Steindachnerina cf. planiventris</i> Vari & Vari, 1989				X					Ortega <i>et al.</i> 2006
<i>Steindachnerina pupula</i> Vari, 1991					X				Lasso <i>et al.</i> 2004, Galvis <i>et al.</i> 2007a
<b>Prochilodontidae</b>									
<i>Ichthyoelephas longirostris</i> (Steindachner, 1879)	X	X	A1d, A2d, B2c			X			NMW 56680, 56681-82
<i>Prochilodus magdalenae</i> Steindachner, 1879	X	X	A1d			X		X	NMW 56627, 56624, 56625, 56628.
<i>Prochilodus mariae</i> Eigenmann, 1922	X				X				CAS 15150 [ex IU 15150], 23942 [ex IU 15150]
<i>Prochilodus nigricans</i> Spix & Agassiz, 1829				X					Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006, Ortega <i>et al.</i> 2006, Galvis <i>et al.</i> 2007b
<i>Prochilodus reticulatus</i> Valenciennes, 1850			A2d, B2c					X	Galvis <i>et al.</i> 1997
<i>Prochilodus rubrotaeniatus</i> Jardine & Schomburgk, 1841				X	X				Lasso <i>et al.</i> 2004, Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Semaprochilodus insignis</i> (Jardine & Schomburgk, 1841)				X	X				Lasso <i>et al.</i> 2004, Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006

Taxa	DC	EN	CT	Amz	Ori	Mag-Cauc	Pac	Car	Collections/References
<i>Semaprochilodus kneri</i> (Pellegrin, 1909)				X	X				Lasso <i>et al.</i> 2004, Bogotá-Gregory & Maldonado-Ocampo 2006, Maldonado-Ocampo <i>et al.</i> 2006b
<i>Semaprochilodus laticeps</i> (Steindachner, 1879)					X				Lasso <i>et al.</i> 2004, Maldonado-Ocampo 2004, Maldonado-Ocampo <i>et al.</i> 2006b
<i>Semaprochilodus taeniurus</i> (Valenciennes, 1821)				X					Bogotá-Gregory & Maldonado-Ocampo 2006
<b>Anostomidae</b>									
<i>Abramites eques</i> (Steindachner, 1878)	X	X	Abc			X			NMW 69549, 69548, 69550; BMNH 1895.5.17.155-156
<i>Abramites hypselonotus</i> (Günther, 1868)				X	X				Lasso <i>et al.</i> 2004, Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006, Ortega <i>et al.</i> 2006
<i>Anostomus anostomus</i> (Linnaeus, 1758)				X	X				Lasso <i>et al.</i> 2004, Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006, Ortega <i>et al.</i> 2006
<i>Anostomus ternetzi</i> Fernández-Yépez, 1949				X	X				Lasso <i>et al.</i> 2004, Bogotá-Gregory & Maldonado-Ocampo 2006, Maldonado-Ocampo <i>et al.</i> 2006b
<i>Gnathodolus bidens</i> Myers, 1927					X				Lasso <i>et al.</i> 2004, Maldonado-Ocampo <i>et al.</i> 2006b
<i>Laemolyta fernandesi</i> Myers, 1950					X				Galvis <i>et al.</i> 2007a
<i>Laemolyta garmani</i> (Borodin, 1931)				X					Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Laemolyta proxima</i> (Garman, 1890)				X					Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006, Ortega <i>et al.</i> 2006
<i>Laemolyta taeniata</i> (Kner, 1858)				X	X				Lasso <i>et al.</i> 2004, Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006, Maldonado-Ocampo <i>et al.</i> 2006b, Ortega <i>et al.</i> 2006
<i>Leporellus vitattus</i> (Valenciennes, 1850)					X	X			Lasso <i>et al.</i> 2004, Maldonado-Ocampo <i>et al.</i> 2005, Mojica <i>et al.</i> 2006b, Ortega-Lara 2006a, Villa-Navarro <i>et al.</i> 2006
<i>Leporinus affinis</i> Günther, 1864				X					Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Leporinus agassizi</i> Steindachner, 1876				X					Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006, Ortega <i>et al.</i> 2006
<i>Leporinus arcus</i> Eigenmann, 1912					X				Lasso <i>et al.</i> 2004
<i>Leporinus aripuanaensis</i> Garavello & Santos 1981				X					Mojica <i>et al.</i> 2005, Galvis <i>et al.</i> 2007b
<i>Leporinus bimaculatus</i> Castelnau, 1855				X					Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Leporinus boehlkei</i> Garavello, 1988	X	X			X				ANSP 136487, 135432-33, 136489, 138803, 140316; MZUSP 28061

Taxa	DC	EN	CT	Amz	Ori	Mag-Cauc	Pac	Car	Collections/References
<i>Leporinus brunneus</i> Myers, 1950				X	X				Lasso <i>et al.</i> 2004, Bogotá-Gregory & Maldonado-Ocampo 2006, Maldonado-Ocampo <i>et al.</i> 2006b
<i>Leporinus desmotes</i> Fowler, 1914				X	X				Lasso <i>et al.</i> 2004, Bogotá-Gregory & Maldonado-Ocampo 2006, Maldonado-Ocampo <i>et al.</i> 2006b
<i>Leporinus fasciatus</i> (Bloch, 1794)				X	X				Lasso <i>et al.</i> 2004, Maldonado-Ocampo 2004, Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006, Maldonado-Ocampo <i>et al.</i> 2006b, Ortega <i>et al.</i> 2006
<i>Leporinus friderici</i> (Bloch, 1794)				X	X				Lasso <i>et al.</i> 2004, Maldonado-Ocampo 2004, Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006, Maldonado-Ocampo <i>et al.</i> 2006b, Ortega <i>et al.</i> 2006
<i>Leporinus</i> cf. <i>granti</i> Eigenmann, 1912					X				Lasso <i>et al.</i> 2004
<i>Leporinus klausewitzii</i> Géry, 1960				X					Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Leporinus latofasciatus</i> Steindachner, 1910					X				Lasso <i>et al.</i> 2004
<i>Leporinus leschenaulti</i> Valenciennes, 1850				X	X				Bogotá-Gregory & Maldonado-Ocampo 2006, Maldonado-Ocampo <i>et al.</i> 2006b
<i>Leporinus maculatus</i> Müller & Troschel, 1844				X	X				Lasso <i>et al.</i> 2004, Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Leporinus melanopleura</i> Günther, 1864					X				Lasso <i>et al.</i> 2004, Maldonado-Ocampo 2004, Maldonado-Ocampo <i>et al.</i> 2006b
<i>Leporinus melanostictus</i> Norman, 1926				X					Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Leporinus moralesi</i> Fowler, 1942				X					Bogotá-Gregory & Maldonado-Ocampo 2006, Ortega <i>et al.</i> 2006
<i>Leporinus muyscorum</i> Steindachner, 1900	X	X				X		X	Holotype: ZSM [old collection] destroyed in WWII
<i>Leporinus nattereri</i> Steindachner, 876				X	X				Lasso <i>et al.</i> 2004, Maldonado-Ocampo 2004, Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006, Maldonado-Ocampo <i>et al.</i> 2006b, Ortega <i>et al.</i> 2006
<i>Leporinus niceforoi</i> Fowler, 1943	X	X		X					ANSP 70491, 70492
<i>Leporinus octofasciatus</i> Steindachner, 1915				X					Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Leporinus ortomaculatus</i> Britski & Garavello, 1993					X				Lasso <i>et al.</i> 2004
<i>Leporinus piau</i> Fowler, 1941				X					Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Leporinus steyermarki</i> Inger, 1956				X	X				Lasso <i>et al.</i> 2004, Bogotá-Gregory & Maldonado-Ocampo 2006

Taxa	DC	EN	CT	Amz	Ori	Mag-Cauc	Pac	Car	Collections/References
<i>Leporinus striatus</i> Kner, 1858					X	X	X	X	Galvis <i>et al.</i> 1997, Lasso <i>et al.</i> 2004, Mojica <i>et al.</i> 2004, Maldonado-Ocampo <i>et al.</i> 2005, 2006a, Mojica <i>et al.</i> 2006b, Ortega-Lara 2006a, Villa-Navarro <i>et al.</i> 2006
<i>Leporinus subniger</i> Fowler, 1943	X			X					ANSP 70493, 70494
<i>Leporinus trifasciatus</i> Steindachner, 1876				X					Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006, Ortega <i>et al.</i> 2006
<i>Leporinus wolfei</i> Fowler, 1940				X					Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006, Ortega <i>et al.</i> 2006
<i>Leporinus y-ophorus</i> Eigenmann, 1922	X				X				CAS 61680 [ex IU 15025]
<i>Pseudanos gracilis</i> (Kner, 1858)				X	X				Lasso <i>et al.</i> 2004, Maldonado-Ocampo 2004, Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006, Maldonado-Ocampo <i>et al.</i> 2006b
<i>Pseudanos irinae</i> Winterbottom, 1980					X				Lasso <i>et al.</i> 2004
<i>Pseudanos trimaculatus</i> (Kner, 1858)				X					Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006, Ortega <i>et al.</i> 2006
<i>Pseudanos winterbottomi</i> Sidlauskas & Santos, 2005					X				Maldonado-Ocampo <i>et al.</i> 2006b, Galvis <i>et al.</i> 2007a
<i>Petulanos spiloclistron</i> (Winterbottom, 1974)				X					Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006, Ortega <i>et al.</i> 2006
<i>Rhytiodus argenteofuscus</i> Kner, 1858				X					Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006, Ortega <i>et al.</i> 2006
<i>Rhytiodus microlepis</i> Kner, 1858				X					Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006, Ortega <i>et al.</i> 2006
<i>Schizodon dissimilis</i> (Garman, 1890)				X					Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Schizodon fasciatus</i> Spix & Agassiz, 1829				X					Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006, Ortega <i>et al.</i> 2006
<i>Schizodon scotorhabdotus</i> Sidlauskas, Garvello & Jellen, 2007					X				Sidlauskas <i>et al.</i> 2007
<i>Synaptolaemus cingulatus</i> Myers & Fernández-Yépez, 1950					X				Lasso <i>et al.</i> 2004, Maldonado-Ocampo <i>et al.</i> 2006b
<b>Chilodontidae</b>									
<i>Caenotropus labyrinthicus</i> (Kner, 1858)				X	X				Lasso <i>et al.</i> 2004, Maldonado-Ocampo 2004, Maldonado-Ocampo <i>et al.</i> 2006b, Galvis <i>et al.</i> 2007a, 2007b

Taxa	DC	EN	CT	Amz	Ori	Mag-Cauc	Pac	Car	Collections/References
<i>Caenotropus maculosus</i> (Eigenmann, 1912)				X	X				Maldonado-Ocampo <i>et al.</i> 2006b, Ortega <i>et al.</i> 2006
<i>Caenotropus mestomorgmatos</i> Vari, Castro & Raredon, 1995				X					Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Chilodus gracilis</i> Isbrücker & Nijssen, 1988				X					Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Chilodus punctatus</i> Müller & Troschel, 1844				X	X				Lasso <i>et al.</i> 2004, Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006
<b>Crenuchidae</b>									
<i>Ammocryptocharax elegans</i> Weitzman & Kanazawa, 1976	X				X				USNM 210692, 214364; FMNH 80401
<i>Ammocryptocharax minutus</i> Buckup, 1993				X					Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Characidium boavistae</i> Steindachner, 1915						X			Villa-Navarro <i>et al.</i> 2006
<i>Characidium caucanum</i> Eigenmann, 1912	X	X				X			FMNH 56057 [ex CM 4847], 56058-60, 69546; CAS 41275-77 [ex IU 12701-03]; USNM 79183
<i>Characidium chupa</i> Schultz, 1944					X				Lasso <i>et al.</i> 2004
<i>Characidium etheostoma</i> Cope, 1872				X					Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006, Galvis <i>et al.</i> 2007b
<i>Characidium fasciatum</i> Reinhardt, 1867				X		X	X	X	Galvis <i>et al.</i> 1997, Mojica <i>et al.</i> 2004, Maldonado-Ocampo <i>et al.</i> 2005, Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006, Maldonado-Ocampo <i>et al.</i> 2006a, Ortega <i>et al.</i> 2006, Ortega-Lara 2006a, Villa-Navarro <i>et al.</i> 2006
<i>Characidium longum</i> Taphorn, Montaña & Buckup, 2006					X				Lasso <i>et al.</i> 2008
<i>Characidium pellucidum</i> Eigenmann, 1909				X	X				Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006, Maldonado-Ocampo <i>et al.</i> 2006b
<i>Characidium phoxocephalum</i> Eigenmann, 1912	X	X				X			FMNH 56061 [ex CM 4851]; CAS 60254 [ex IU 12704]
<i>Characidium pteroides</i> Eigenmann, 1909				X	X				Maldonado-Ocampo <i>et al.</i> 2006b; IAvH-P 2333*
<i>Characidium</i> aff. <i>roesseli</i> Géry, 1965				X					Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Characidium sanctjohanni</i> Dahl, 1960	X	X					X	X	Holotype: whereabouts unknown
<i>Characidium steindachneri</i> Cope, 1878				X	X				Lasso <i>et al.</i> 2004, Bogotá-Gregory & Maldonado-Ocampo 2006, Maldonado-Ocampo <i>et al.</i> 2006b



Taxa	DC	EN	CT	Amz	Ori	Mag-Cauc	Pac	Car	Collections/References
<i>Characidium zebra</i> Eigenmman, 1909				X	X				Lasso <i>et al.</i> 2004, Bogotá-Gregory & Maldonado-Ocampo 2006, Maldonado-Ocampo <i>et al.</i> 2006b
<i>Crenuchus spilurus</i> Günther, 1863				X	X				Lasso <i>et al.</i> 2004, Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006, Ortega <i>et al.</i> 2006
<i>Elachocharax geryi</i> Weitzman & Kanazawa, 1978					X				Lasso <i>et al.</i> 2004
<i>Elacocharax pulcher</i> Myers, 1927				X	X				Lasso <i>et al.</i> 2004, Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006, Maldonado-Ocampo <i>et al.</i> 2006b
<i>Klausewitzia</i> sp1.				X					Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Klausewitzia</i> sp2.				X					Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Leptocharacidium omospilus</i> Backup, 1993					X				Lasso <i>et al.</i> 2004
<i>Melanocharacidium depressum</i> Backup, 1993				X					Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Melanocharacidium dispilomma</i> Backup, 1993				X	X				Lasso <i>et al.</i> 2004, Bogotá-Gregory & Maldonado-Ocampo 2006, Maldonado-Ocampo <i>et al.</i> 2006b
<i>Melanocharacidium pectorale</i> Backup, 1993				X	X				Lasso <i>et al.</i> 2004, Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Microcharacidium eleotrioides</i> (Géry, 1960)					X				IAvH-P 6169*
<i>Microcharacidium gnomus</i> Backup, 1993					X				Lasso <i>et al.</i> 2004
<i>Microcharacidium weitzmani</i> Backup, 1993					X				Lasso <i>et al.</i> 2004
<i>Odontocharacidium aphanes</i> (Weitzman & Kanazawa, 1977)				X					Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Odontocharacidium</i> sp.				X					Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Poecilocharax weitzmani</i> Géry, 1965				X	X				Lasso <i>et al.</i> 2004, Bogotá-Gregory & Maldonado-Ocampo 2006
<b>Hemiodontidae</b>									
<i>Anodus elongatus</i> Agassiz, 1829				X					Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006, Ortega <i>et al.</i> 2006
<i>Anodus orinocensis</i> (Steindachner, 1887)					X				Lasso <i>et al.</i> 2004
<i>Argonectes longiceps</i> (Kner, 1858)				X	X				Lasso <i>et al.</i> 2004, Maldonado-Ocampo 2004, Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006, Maldonado-Ocampo <i>et al.</i> 2006b, Ortega <i>et al.</i> 2006
<i>Bivibranchia fowleri</i> (Steindachner, 1908)				X	X				Lasso <i>et al.</i> 2004, Bogotá-Gregory & Maldonado-Ocampo 2006, Maldonado-Ocampo <i>et al.</i> 2006b

Taxa	DC	EN	CT	Amz	Ori	Mag-Cauc	Pac	Car	Collections/References
<i>Hemiodus amazonum</i> (Humboldt, 1821)					X				Lasso <i>et al.</i> 2004
<i>Hemiodus argenteus</i> Pellegrin, 1909				X	X				Lasso <i>et al.</i> 2004, Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Hemiodus goeldii</i> Steindachner, 1908				X	X				Bogotá-Gregory & Maldonado-Ocampo 2006, Maldonado-Ocampo <i>et al.</i> 2006b
<i>Hemiodus gracilis</i> Günther, 1864				X	X				Bogotá-Gregory & Maldonado-Ocampo 2006, Maldonado-Ocampo <i>et al.</i> 2006b, Ortega <i>et al.</i> 2006
<i>Hemiodus immaculatus</i> Kner, 1858				X	X				Lasso <i>et al.</i> 2004, Maldonado-Ocampo <i>et al.</i> 2006b
<i>Hemiodus microlepis</i> Kner, 1858				X	X				Lasso <i>et al.</i> 2004, Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006, Ortega <i>et al.</i> 2006
<i>Hemiodus semitaeniatus</i> Kner, 1858				X	X				Lasso <i>et al.</i> 2004, Maldonado-Ocampo <i>et al.</i> 2006b
<i>Hemiodus thayeria</i> Böhlke, 1955	X			X					SU 48146
<i>Hemiodus unimaculatus</i> (Bloch, 1794)				X	X				Bogotá-Gregory & Maldonado-Ocampo 2006, Maldonado-Ocampo <i>et al.</i> 2006b, Ortega <i>et al.</i> 2006
<i>Hemiodus vorderwinkleri</i> (Géry, 1964)				X					Bogotá-Gregory & Maldonado-Ocampo 2006
<b>Gasteropelecidae</b>									
<i>Carnegiella marthae</i> Myers, 1927				X	X				Lasso <i>et al.</i> 2004, Maldonado-Ocampo 2004, Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006, Maldonado-Ocampo <i>et al.</i> 2006b, Ortega <i>et al.</i> 2006
<i>Carnegiella myersi</i> Fernández-Yépez, 1950				X					Bogotá-Gregory & Maldonado-Ocampo 2006, Ortega <i>et al.</i> 2006
<i>Carnegiella schereri</i> Fernández-Yépez, 1950				X					Galvis <i>et al.</i> 2007b
<i>Carnegiella strigata</i> (Günther, 1864)				X	X				Lasso <i>et al.</i> 2004, Maldonado-Ocampo 2004, Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006, Maldonado-Ocampo <i>et al.</i> 2006b, Ortega <i>et al.</i> 2006
<i>Gasteropelecus maculatus</i> Steindachner, 1879						X	X	X	Galvis <i>et al.</i> 1997, Maldonado-Ocampo <i>et al.</i> 2005, 2006a, Mojica <i>et al.</i> 2006ab, Villa-Navarro <i>et al.</i> 2006, Ortega-Lara <i>et al.</i> 2006a
<i>Gasteropelecus sternicla</i> (Linnaeus, 1758)				X					Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006, Ortega <i>et al.</i> 2006
<i>Thoracocharax securis</i> De Filippi, 1853				X					Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006, Ortega <i>et al.</i> 2006
<i>Thoracocharax stellatus</i> (Kner, 1858)				X	X				Lasso <i>et al.</i> 2004, Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006, Ortega <i>et al.</i> 2006

Taxa	DC	EN	CT	Amz	Ori	Mag-Cauc	Pac	Car	Collections/References
<b>Characidae</b>									
<i>Aphyodite grammica</i> Eigenmann, 1912				X					Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Astyanax abramis</i> (Jenyns, 1842)				X	X				Lasso <i>et al.</i> 2004, Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006, Ortega <i>et al.</i> 2006
<i>Astyanax atratoensis</i> Eigenmann, 1907	X	X						X	USNM 1659 (missing), 306566 [ex USNM 1659]; CAS 38962 [ex IU 11488]
<i>Astyanax bimaculatus</i> (Linnaeus, 1758)				X	X	X	X	X	Galvis <i>et al.</i> 1997, Lasso <i>et al.</i> 2004, Mojica <i>et al.</i> 2004, Maldonado-Ocampo <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006, Maldonado-Ocampo <i>et al.</i> 2006a, Mojica <i>et al.</i> 2006ab, Ortega <i>et al.</i> 2006, Ortega-Lara 2006a, Villa-Navarro <i>et al.</i> 2006
<i>Astyanax caucanus</i> (Steindachner, 1879)	X	X				X			NMW 57372-76; SMNS 2833; ZMUC 993
<i>Astyanax cordovae</i> (Günther, 1880)				X					Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Astyanax daguae</i> Eigenmann, 1913	X	X					X	X	FMNH 56251 [ex CM 5052]
<i>Astyanax fasciatus</i> (Cuvier, 1819)				X	X	X	X	X	Galvis <i>et al.</i> 1997, Lasso <i>et al.</i> 2004, Mojica <i>et al.</i> 2004, Maldonado-Ocampo <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006, Maldonado-Ocampo <i>et al.</i> 2006a, Mojica <i>et al.</i> 2006ab, Ortega <i>et al.</i> 2006, Ortega-Lara 2006a, Villa-Navarro <i>et al.</i> 2006
<i>Astyanax fasslii</i> (Steindachner, 1915)	X	X				X			NMW Holotype catalogue number unknown
<i>Astyanax filiferus</i> (Eigenmann, 1913)	X	X				X		X	CAS 62258 [ex IU 12847]
<i>Astyanax gisleni</i> Dahl, 1943	X	X				X			ZMUL
<i>Astyanax integer</i> Myers, 1930	X	X		X	X				SU 23726
<i>Astyanax magdalenae</i> Eigenmann & Henn, 1916	X	X				X		X	FMNH 57006 [ex CM 5822]; CAS 39223 [ex IU 13611]
<i>Astyanax maximus</i> (Steindachner, 1877)	X			X	X				FMNH 56640 [ex CM 5457], 56641; CAS 39229 [ex IU 13153]
<i>Astyanax megalpilura</i> Fowler, 1944	X	X					X	X	ANSP 71418; IAvH-P 6494
<i>Astyanax metae</i> Eigenmann, 1914	X				X				FMNH 56640 [ex CM 5457], 56641; CAS 39229 [ex IU 13153]
<i>Astyanax microlepis</i> Eigenmann, 1913	X	X		X	X	X	X		FMNH 56209 [ex CM 5001], 56210-14, 69559-61, 71291, 95006; CAS 39341-45 [ex IU 12769-73]; USNM 79167
<i>Astyanax orthodus</i> Eigenmann, 1907	X	X					X	X	USNM 55655

Taxa	DC	EN	CT	Amz	Ori	Mag-Cauc	Pac	Car	Collections/References
<i>Astyanax ruberrimus</i> Eigenmann, 1913	X					X	X	X	FMNH 56122 [ex CM 4912], 56123-25, 56292, 69557, 69562, 69745, 71292; CAS 61062-64 [ex IU 12751-53], 61065 [ex IU 12851]; IU 12751-53, 12851; USNM 79168 [ex CM], 76940 (24, missing).
<i>Astyanax schubarti</i> Bristki, 1964				X					Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Astyanax scintillans</i> Myers, 1928					X				Lasso <i>et al.</i> 2004
<i>Astyanax siapae</i> Garutti, 2003					X				Maldonado-Ocampo <i>et al.</i> 2006b
<i>Astyanax stilbe</i> (Cope, 1870)								X	Maldonado-Ocampo <i>et al.</i> 2006a
<i>Astyanax superbus</i> Myers, 1942					X				Lasso <i>et al.</i> 2004
<i>Astyanax validus</i> Géry, Planquette & Le Bail, 1991				X					Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Astyanax venezuelae</i> Schultz, 1944					X				Lasso <i>et al.</i> 2004
<i>Atopomesus pachyodus</i> Myers, 1927	X			X					CAS 41736 [ex IU 17673]
<i>Axelrodia riesei</i> Géry, 1966	X	X			X				USNM 207923, 207924; ANSP 112512, 139715; MNHN 1982-0538; ZMA 113865
<i>Axelrodia stigmatias</i> (Fowler, 1913)				X					Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006, Ortega <i>et al.</i> 2006
<i>Bario steindachneri</i> (Eigenmann, 1893)				X					Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006, Ortega <i>et al.</i> 2006
<i>Brittanichthys</i> sp.					X				Maldonado-Ocampo <i>et al.</i> 2006b
<i>Bryconamericus alpha</i> Eigenmann, 1914	X				X				FMNH 56646 [ex CM 5463], 56646-47; CAS 18511 [ex IU 13157]
<i>Bryconamericus andresoi</i> Román-Valencia, 2003	X	X				X	X		IUQ 447, 448-449; CAS 70099-101; FMNH 56566-67
<i>Bryconamericus arilepis</i> Román-Valencia, Vanegas-Ríos & Ruíz-C., 2008	X	X				X			IUQ 920, 1915, 1917, 1567
<i>Bryconamericus carlosi</i> Román-Valencia, 2003				X					Román-Valencia <i>et al.</i> 2008
<i>Bryconamericus caucanus</i> Eigenmann, 1913	X	X				X		X	FMNH 56229 [ex CM 5031a], 56228, 56230-34, 69792; CAS 39510-15 [ex IU 12795-800]; UMMZ 63039
<i>Bryconamericus cismontanus</i> Eigenmann, 1914	X				X				FMNH 56642 [ex CM 5459]
<i>Bryconamericus cristiani</i> Román-Valencia, 1999	X	X			X				ICNMNH 3445, 3446-49; IUQ 381-382
<i>Bryconamericus dahli</i> Román-Valencia, 2000	X	X					X		ICNMNH 2722; IAvH-P 4734; IMCN 1689, 3894, 3905, 3911, 3918, 4052

Taxa	DC	EN	CT	Amz	Ori	Mag-Cauc	Pac	Car	Collections/References
<i>Bryconamericus deuterodonoides</i> Eigenmann, 1914	X			X	X				FMNH 56644 [ex CM 5461], 56645; CAS 61221 [ex IU 13156]
<i>Bryconamericus emperador</i> (Eigenmann & Ogle, 1907)						X	X	X	Galvis <i>et al.</i> 1997, Maldonado-Ocampo <i>et al.</i> 2005, Mojica <i>et al.</i> 2004, Ortega-Lara <i>et al.</i> 2006b
<i>Bryconamericus galvisi</i> Román-Valencia, 2000	X	X		X					ICNMNH 2720, 2721; IUQ 221-223
<i>Bryconamericus guaytarae</i> Eigenmann & Henn, 1914	X	X				X	X		FMNH 56657 [ex CM 5474]; CAS 40844 [ex IU 13168]
<i>Bryconamericus guizae</i> Román-Valencia, 2003	X	X				X	X		IUQ 450, 451-452; STRI 1370
<i>Bryconamericus huilae</i> Román-Valencia, 2003	X	X				X			IUQ 422, 312-313, 423-424, 462-463, 476-477); STRI 00574
<i>Bryconamericus icelus</i> Dahl, 1964	X	X						X	SMF 16284
<i>Bryconamericus ichoensis</i> Román-Valencia, 2000	X	X						X	ICNMNH 2718, 2719
<i>Bryconamericus loisae</i> Géry, 1964	X	X			X				USNM 198645; ANSP 139713; MNHN 1980-1426
<i>Bryconamericus miraensis</i> Fowler, 1945	X	X				X	X		ANSP 71686, 71687-92, 71693, 71694
<i>Bryconamericus multiradiatus</i> Dahl, 1960	X	X						X	ICNMHN 82, 58
<i>Bryconamericus pachacuti</i> Eigenmann, 1927				X					Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Bryconamericus peruanus</i> (Müller & Troschel, 1845)							X	X	Maldonado-Ocampo <i>et al.</i> 2006a, Mojica <i>et al.</i> 2004, Román-Valencia <i>et al.</i> 2008
<i>Bryconamericus plutarcoi</i> Román-Valencia, 2001	X	X				X			ICNMNH 4887; IUQ 308, 461, 472, 473
<i>Bryconamericus scleroparius</i> (Regan, 1908)							X	X	Maldonado-Ocampo <i>et al.</i> 2006a, Mojica <i>et al.</i> 2004
<i>Bryconella pallidifrons</i> (Fowler, 1946)				X					Bogotá-Gregory & Maldonado-Ocampo 2006, Ortega <i>et al.</i> 2006
<i>Bryconops affinis</i> (Günther, 1864)				X	X				Lasso <i>et al.</i> 2004, Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Bryconops alburnoides</i> Kner, 1858				X	X				Lasso <i>et al.</i> 2004, Bogotá-Gregory & Maldonado-Ocampo 2006, Maldonado-Ocampo <i>et al.</i> 2006b
<i>Bryconops caudomaculatus</i> (Günther, 1864)				X	X				Lasso <i>et al.</i> 2004, Bogotá-Gregory & Maldonado-Ocampo 2006, Maldonado-Ocampo <i>et al.</i> 2006b
<i>Bryconops collettei</i> Chernoff & Machado-Allison, 2005				X					IAvH-P 7658*
<i>Bryconops giacopinni</i> (Fernández-Yépez, 1950)				X	X				Bogotá-Gregory & Maldonado-Ocampo 2006, Maldonado-Ocampo <i>et al.</i> 2006b

Taxa	DC	EN	CT	Amz	Ori	Mag-Cauc	Pac	Car	Collections/References
<i>Bryconops humeralis</i> Machado-Allison, Chernoff & Buckup, 1996					X				Maldonado-Ocampo <i>et al.</i> 2006b
<i>Bryconops inpai</i> Knöppel, Junk & Géry, 1968				X	X				Lasso <i>et al.</i> 2004, Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006, Maldonado-Ocampo <i>et al.</i> 2006b, Ortega <i>et al.</i> 2006
<i>Bryconops melanurus</i> (Bloch, 1794)				X	X				Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Carlastyanax aurocaudatus</i> (Eigenmann, 1913)	X	X	NT			X			FMNH 56882 [ex CM 5162], 56883; CAS 68647 [ex IU 12911]
<i>Ceratobranchia obtusirostris</i> Eigenmann, 1914				X					Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Chalceus epakros</i> Zanata & Toledo-Piza, 2004				X	X				Lasso <i>et al.</i> 2004, Bogotá-Gregory & Maldonado-Ocampo 2006, Maldonado-Ocampo <i>et al.</i> 2006b
<i>Chalceus erythrurus</i> (Cope, 1870)				X					Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006, Ortega <i>et al.</i> 2006
<i>Chalceus macrolepidotus</i> Cuvier, 1816				X	X				Lasso <i>et al.</i> 2004, Maldonado-Ocampo 2004, Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006, Maldonado-Ocampo <i>et al.</i> 2006b, Ortega <i>et al.</i> 2006
<i>Creagrutus affinis</i> Steindachner, 1880	X					X	X	X	NMW 67120.2-5
<i>Creagrutus amoenus</i> Fowler, 1943	X			X					ANSP 70499, 70500-02, 70503
<i>Creagrutus atratus</i> Vari & Harold, 2001	X	X			X	X			ANSP 134080; NRM 16842-43; USNM 353866-67
<i>Creagrutus beni</i> Eigenmann, 1911				X					Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Creagrutus bolivari</i> Schultz, 1944					X				Lasso <i>et al.</i> 2004, Maldonado-Ocampo <i>et al.</i> 2006b
<i>Creagrutus brevipinnis</i> Eigenmann, 1913	X	X				X			FMNH 56095 [ex CM 4887a], 56096-98, 75172; CAS 41341-42 [ex IU 12728-29], 41375 [ex IU 12730]; USNM 79188
<i>Creagrutus calai</i> Vari & Harold, 2001	X	X			X				ANSP 130527, 139149, 177718; NRM 16848-49, 43015-16; USNM 353304, 353307, 353868
<i>Creagrutus caucanus</i> , Eigenmann, 1913	X	X				X			FMNH 56104 [ex CM 4895a], 56105-08; CAS 41373-74 [ex IU 12736-37], 69304 [ex IU 12738]
<i>Creagrutus cochui</i> Géry, 1964				X					Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Creagrutus flavescens</i> Vari & Harold, 2001				X					Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Creagrutus guanes</i> Torres-Mejía & Vari, 2005	X	X				X			ICNMHN 8520, 8521, 8522, 9893, 9894, 9895, 9896, 9897, 9898

Taxa	DC	EN	CT	Amz	Ori	Mag-Cauc	Pac	Car	Collections/References
<i>Creagrutus hildebrandi</i> Schultz, 1944								X	Galvis <i>et al.</i> 1997
<i>Creagrutus machadoi</i> Vari & Harold, 2001					X				Galvis <i>et al.</i> 2007a
<i>Creagrutus magdalenae</i> Eigenmann, 1913	X	X				X			FMNH 56088 [ex CM 4880], 56089, 56092-93, 69730; CAS 41641 [ex IU 12722], 60056-57 [ex IU 12725-26]
<i>Creagrutus magoi</i> Vari & Harold, 2001					X				Lasso <i>et al.</i> 2004, Maldonado-Ocampo <i>et al.</i> 2006b
<i>Creagrutus maracaiboensis</i> Schultz, 1944								X	Galvis <i>et al.</i> 1997
<i>Creagrutus maxillaris</i> (Myers, 1927)				X	X				Lasso <i>et al.</i> 2004, Bogotá-Gregory & Maldonado-Ocampo 2006, Maldonado-Ocampo <i>et al.</i> 2006b
<i>Creagrutus melanzonus</i> Eigenmann, 1909					X				IAvH-P 3233*
<i>Creagrutus nigrostigmatus</i> Dahl, 1960	X	X				X		X	ICNMHN 989; SU 49491
<i>Creagrutus paralacus</i> Harold & Vari, 1994								X	Galvis <i>et al.</i> 1997, Maldonado-Ocampo <i>et al.</i> 2005
<i>Creagrutus phasma</i> Myers, 1927					X				Lasso <i>et al.</i> 2004
<i>Creagrutus taphorni</i> Vari & Harold, 2001					X				Lasso <i>et al.</i> 2004
<i>Creagrutus tuyuka</i> (Vari & Lima, 2003)				X					Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Ctenobrycon hauxwellianus</i> (Cope, 1870)				X	X				Lasso <i>et al.</i> 2004, Maldonado-Ocampo 2004, Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006, Maldonado-Ocampo <i>et al.</i> 2006b, Ortega <i>et al.</i> 2006
<i>Ctenobrycon spilurus</i> (Valenciennes, 1850)				X	X				Lasso <i>et al.</i> 2004, Maldonado-Ocampo 2004, Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006, Maldonado-Ocampo <i>et al.</i> 2006b, Ortega <i>et al.</i> 2006
<i>Deuterodon cf. potaroensis</i> (Eigenmann, 1909)					X				IAvH-P 3295*
<i>Engraulisoma taeniatum</i> Castro, 1981				X	X				Lasso <i>et al.</i> 2004, Ortega <i>et al.</i> 2006
<i>Exodon paradoxus</i> Müller & Troschel, 1844					X				Lasso <i>et al.</i> 2004, Maldonado-Ocampo 2004, Maldonado-Ocampo <i>et al.</i> 2006b
<i>Genycharax tarpon</i> Eigenmann, 1912	X	X	B2c			X			FMNH 56018 [ex CM 4808], 56019-2, 69547, 69779; CAS 44271-73 [ex IU 12672-74]; USNM 79207
<i>Grundulus bogotensis</i> (Humboldt, 1821)	X	X	NT			X			ZMB 33306, 3505, 31499
<i>Grundulus cochae</i> Román-Valencia, Paepke & Pantoja, 2003	X	X		X		X			IUQ 453, 454, 455; STRI 1369

Taxa	DC	EN	CT	Amz	Ori	Mag-Cauc	Pac	Car	Collections/References
<i>Gymnocorymbus bondi</i> (Fowler, 1911)	X				X				ANSP 37863, 37864, 37865 (1, missing); CM [ex ASNPN 37866]
<i>Gymnocorymbus thayeri</i> Eigenmann, 1908				X	X				Lasso <i>et al.</i> 2004, Maldonado-Ocampo 2004, Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006, Maldonado-Ocampo <i>et al.</i> 2006b, Ortega <i>et al.</i> 2006
<i>Hemibrycon boquiae</i> (Eigenmann, 1913)	X	X				X			FMNH 56259 [ex CM 5059], 56260; CAS 44332 [ex IU 12831]
<i>Hemibrycon carrilloi</i> Dahl, 1960	X	X				X	X	X	ICNMHN (Holotype apparently destroyed), 29, 31, 126
<i>Hemibrycon colombianus</i> Eigenmann, 1914	X	X				X			MNH 56653 [ex CM 5470], 56654-56; CAS 44350 [ex IU 13162], 44351 [ex IU 13163], 44352 [ex IU 13164], 44353 [ex IU 13165]
<i>Hemibrycon dariensis</i> Meek & Hildebrand, 1916								X	IAVHP 7156*, 7237*
<i>Hemibrycon decurrens</i> (Eigenmann, 1913)	X	X			X	X			FMNH 56255 [ex CM 5055]; CAS 39542 [IU 12829]
<i>Hemibrycon denatus</i> (Eigenmann, 1913)	X	X				X			FMNH 56253 [ex CM 5054a], 56274, 5625, 56254, 69709; CAS 39543-45; USNM 79175
<i>Hemibrycon fredcochui</i> (Géry, 1966)	X			X					ANSP 111676 [ex Géry coll. 0124.18-19], 111668; MNHN 1980-1425; ZMA 113828
<i>Hemibrycon jabonero</i> Schultz, 1944					X			X	Galvis <i>et al.</i> 1997, Lasso <i>et al.</i> 2004, Maldonado-Ocampo 2004,
<i>Hemibrycon jelskii</i> (Steindachner, 1877)				X					IAVH-P 6188-6192*
<i>Hemibrycon metae</i> Myers, 1930	X	X		X	X				SU 23727
<i>Hemibrycon microformaa</i> Román-Valencia & Ruiz-C., 2007	X	X						X	IUQ 510, 511-514; MTD F 27628
<i>Hemibrycon orcesi</i> Böhlke, 1958				X					Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Hemibrycon rafaelse</i> Román-Valencia & Arcila-Mesa, 2008	X	X				X			ICNMHN 6703, 3505; IUQ 499, 509; MCNG 54101; MTD F 27623-24
<i>Hemibrycon tolimae</i> Eigenmann, 1913	X	X				X			FMNH 56257 [ex CM 5057], 56258; CAS 44357 [ex IU 12830]
<i>Hemibrycon velox</i> Dahl, 1964	X	X				X		X	Holotype: whereabouts unknown; SMF 21300
<i>Hemigrammus analis</i> Durbin, 1909				X	X				Lasso <i>et al.</i> 2004, Maldonado-Ocampo 2004, Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006, Maldonado-Ocampo <i>et al.</i> 2006b
<i>Hemigrammus barrigona</i> Eigenmann & Henn, 1914	X				X				CAS 44368 [ex IU 13423], 44369 [ex IU 13424]; AMNH 5320
<i>Hemigrammus bellottii</i> (Steindachner, 1882)				X	X				Lasso <i>et al.</i> 2004, Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006, Ortega <i>et al.</i> 2006



Taxa	DC	EN	CT	Amz	Ori	Mag-Cauc	Pac	Car	Collections/References
<i>Hemigrammus bleheri</i> Géry & Mahnert, 1986					X				Lasso <i>et al.</i> 2004
<i>Hemigrammus brevis</i> Ellis, 1911				X					Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Hemigrammus coeruleus</i> Durbin, 1908				X					Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Hemigrammus cylindricus</i> Durbin, 1909					X				IAvH-P 2555*
<i>Hemigrammus elegans</i> (Steindachner, 1882)					X				Maldonado-Ocampo <i>et al.</i> 2006b, Galvis <i>et al.</i> 2007a
<i>Hemigrammus erythrozonus</i> Durbin, 1909				X					Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Hemigrammus gracillis</i> (Lütken, 1875)				X	X				Lasso <i>et al.</i> 2004, Bogotá-Gregory & Maldonado-Ocampo 2006, Ortega <i>et al.</i> 2006
<i>Hemigrammus guyanensis</i> Géry, 1959					X				Lasso <i>et al.</i> 2004
<i>Hemigrammus hyanuary</i> Durbin, 1918				X	X				Lasso <i>et al.</i> 2004, Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Hemigrammus iota</i> Durbin, 1909				X					Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Hemigrammus levis</i> Durbin, 1908				X	X				Lasso <i>et al.</i> 2004, Maldonado-Ocampo 2004, Bogotá-Gregory & Maldonado-Ocampo 2006, Maldonado-Ocampo <i>et al.</i> 2006b
<i>Hemigrammus luelingi</i> Géry, 1964				X					Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006, Ortega <i>et al.</i> 2006
<i>Hemigrammus lunatus</i> Durbin, 1918				X					Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Hemigrammus marginatus</i> Ellis, 1911				X	X				Lasso <i>et al.</i> 2004, Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Hemigrammus melanochrous</i> Fowler, 1913				X					Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Hemigrammus micropterus</i> Meek, 1907					X				Lasso <i>et al.</i> 2004, Maldonado-Ocampo <i>et al.</i> 2006b
<i>Hemigrammus microstomus</i> Durbin, 1918				X	X				Lasso <i>et al.</i> 2004, Maldonado-Ocampo 2004, Bogotá-Gregory & Maldonado-Ocampo 2006, Maldonado-Ocampo <i>et al.</i> 2006b, Ortega <i>et al.</i> 2006
<i>Hemigrammus minus</i> Böhlke, 1955					X				Lasso <i>et al.</i> 2004
<i>Hemigrammus newboldi</i> (Fernández-Yépez, 1949)					X				Lasso <i>et al.</i> 2004
<i>Hemigrammus ocellifer</i> (Steindachner, 1882)				X					Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006, Ortega <i>et al.</i> 2006

Taxa	DC	EN	CT	Amz	Ori	Mag-Cauc	Pac	Car	Collections/References
<i>Hemigrammus pretoensis</i> Géry, 1965				X					Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Hemigrammus pulcher</i> Ladiges, 1938				X					Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006, Ortega <i>et al.</i> 2006
<i>Hemigrammus rhodostomus</i> Ahl, 1924				X	X				Lasso <i>et al.</i> 2004, Bogotá-Gregory & Maldonado-Ocampo 2006, Maldonado-Ocampo <i>et al.</i> 2006b
<i>Hemigrammus schmardae</i> (Steindachner, 1882)				X	X				Lasso <i>et al.</i> 2004, Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006, Maldonado-Ocampo <i>et al.</i> 2006b
<i>Hemigrammus stictus</i> (Durbin, 1909)				X	X				Lasso <i>et al.</i> 2004, Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Hemigrammus tridens</i> Eigenmann, 1907				X					Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Hemigrammus unilineatus</i> (Gill, 1858)				X	X				Lasso <i>et al.</i> 2004, Ortega <i>et al.</i> 2006
<i>Hemigrammus vorderwinkleri</i> Géry, 1963				X	X				Lasso <i>et al.</i> 2004, Maldonado-Ocampo 2004, Bogotá-Gregory & Maldonado-Ocampo 2006, Maldonado-Ocampo <i>et al.</i> 2006b, Ortega <i>et al.</i> 2006
<i>Hyphessobrycon agulha</i> Fowler, 1913				X					Bogotá-Gregory & Maldonado-Ocampo 2006, Ortega <i>et al.</i> 2006
<i>Hyphessobrycon albolineatum</i> Fernández-Yépez, 1950					X				IAvH-P 760*
<i>Hyphessobrycon bentosi</i> Durbin, 1908				X	X				Lasso <i>et al.</i> 2004, Bogotá-Gregory & Maldonado-Ocampo 2006, Maldonado-Ocampo <i>et al.</i> 2006b
<i>Hyphessobrycon columbianus</i> Zarske & Géry, 2001	X	X						X	MTDF 25497, 25498
<i>Hyphessobrycon condotensis</i> Regan, 1913	X	X					X		BMNH 1913.10.1.19-21
<i>Hyphessobrycon copelandi</i> Durbin, 1908				X					Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006, Ortega <i>et al.</i> 2006
<i>Hyphessobrycon diancistrus</i> Weitzman, 1977	X				X				USNM 216607, 216606; BMNH 1977.1.12.1-2; MZUSP 13179-80
<i>Hyphessobrycon ecuadoriensis</i> Eigenmann & Henn, 1914				X					Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Hyphessobrycon eos</i> Durbin, 1909					X				Lasso <i>et al.</i> 2008
<i>Hyphessobrycon eques</i> (Steindachner, 1882)				X					Galvis <i>et al.</i> 2007b
<i>Hyphessobrycon erythrostigma</i> (Fowler, 1943)				X					Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006, Ortega <i>et al.</i> 2006
<i>Hyphessobrycon gracilior</i> Géry, 1964				X					Bogotá-Gregory & Maldonado-Ocampo 2006

Taxa	DC	EN	CT	Amz	Ori	Mag-Cauc	Pac	Car	Collections/References
<i>Hyphessobrycon inconstans</i> (Eigenmann & Ogle, 1907)						X		X	Maldonado-Ocampo <i>et al.</i> 2006a, Mojica <i>et al.</i> 2006b
<i>Hyphessobrycon loretoensis</i> Ladiges, 1938				X					Bogotá-Gregory & Maldonado-Ocampo 2006, Ortega <i>et al.</i> 2006
<i>Hyphessobrycon melazonatus</i> Durbin, 1908				X					Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Hyphessobrycon metae</i> Eigenmann & Henn, 1914	X				X				CAS 61751 [ex IU 13421], 61752
<i>Hyphessobrycon minimus</i> Durbin, 1909					X				IAvH-P 1863*
<i>Hyphessobrycon minor</i> Durbin, 1909					X				Lasso <i>et al.</i> 2004, Maldonado-Ocampo 2004, Maldonado-Ocampo <i>et al.</i> 2006b
<i>Hyphessobrycon ocaosensis</i> García-Alzate & Román-Valencia, 2008	X	X				X			García-Alzate & Román-Valencia 2008
<i>Hyphessobrycon oritoensis</i> García-Alzate, Román-Valencia & Taphorn, 2008	X	X		X					IUQ 1574, 129, 1575; MBUCV-V 33737; MCGN 55844
<i>Hyphessobrycon panamensis</i> Durbin, 1908							X	X	Maldonado-Ocampo <i>et al.</i> 2006a, Mojica <i>et al.</i> 2004, Ortega-Lara <i>et al.</i> 2006b
<i>Hyphessobrycon peruvianus</i> Ladiges, 1938				X					Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006, Ortega <i>et al.</i> 2006
<i>Hyphessobrycon poecilioides</i> Eigenmann, 1913	X	X	NT			X	X		FMNH 56290 [ex CM 5091], 56291, 75150; CAS 77396 [ex IU 12850]; USNM 79214
<i>Hyphessobrycon proteus</i> Eigenmann, 1913	X	X				X		X	FMNH 56293 [ex CM 5094], 56294-99, 56381-82, 69778; CAS 57603 [ex IU 12858], 60478-83 [ex IU 12852-57]; SU 22754; USNM 79215, 167819
<i>Hyphessobrycon saizi</i> Géry, 1964	X	X			X				USNM 198647; ZMA 114206
<i>Hyphessobrycon scholzei</i> Ahl, 1937				X					Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Hyphessobrycon sovichthys</i> Schultz, 1944								X	Galvis <i>et al.</i> 1997, García-Alzate <i>et al.</i> 2008
<i>Hyphessobrycon sweglesi</i> (Géry, 1961)	X	X		X	X				USNM 196090
<i>Hyphessobrycon</i> cf. <i>tropis</i> Géry, 1963					X				Lasso <i>et al.</i> 2004
<i>Hyphessobrycon tukunai</i> Géry, 1965				X					Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Jupiaba abramoides</i> (Eigenmann, 1909)					X				Lasso <i>et al.</i> 2004
<i>Jupiaba anteroides</i> (Géry, 1965)				X	X				Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006, Galvis <i>et al.</i> 2007ab

Taxa	DC	EN	CT	Amz	Ori	Mag-Cauc	Pac	Car	Collections/References
<i>Jupiaba asymmetrica</i> (Eigenmann, 1908)				X					Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Jupiaba mucronata</i> (Eigenmann, 1909)					X				Lasso <i>et al.</i> 2004
<i>Jupiaba pinnata</i> (Eigenmann, 1909)					X				Lasso <i>et al.</i> 2004
<i>Jupiaba poekotero</i> Zanata & Lima, 2005				X					Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Jupiaba polylepis</i> (Günther, 1864)					X				Lasso <i>et al.</i> 2004
<i>Jupiaba scologaster</i> (Weitzman & Vari, 1986)				X					Galvis <i>et al.</i> 2007b
<i>Jupiaba zonata</i> (Eigenmann, 1908)				X					Bogotá-Gregory & Maldonado-Ocampo 2006, Ortega <i>et al.</i> 2006
<i>Knodus breviceps</i> Eigenmann, 1908				X	X				Lasso <i>et al.</i> 2004, Bogotá-Gregory & Maldonado-Ocampo 2006, Ortega <i>et al.</i> 2006
<i>Knodus caquetae</i> Fowler, 1945	X	X		X					Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Knodus heteresthes</i> (Eigenmann, 1908)				X					Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006, Ortega <i>et al.</i> 2006
<i>Knodus hypopterus</i> (Fowler, 1943)	X	X		X					ANSP 70505
<i>Knodus meridae</i> Eigenmann, 1911								X	IAvH-P 9575-9580*
<i>Knodus moenkhausii</i> (Eigenmann & Kennedy, 1903)				X					Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Knodus ortegasae</i> (Fowler, 1943)	X	X		X					ANSP 70504
<i>Knodus tiquiensis</i> Ferreira & Lima, 2006				X					Ferreira & Lima 2006
<i>Leptagoniates pi</i> Vari, 1978				X					Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Leptagoniates steindachneri</i> Boulenger, 1887				X					Ortega <i>et al.</i> 2006
<i>Markiana geayi</i> (Pellegrin, 1909)				X	X				Lasso <i>et al.</i> 2004, Bogotá-Gregory & Maldonado-Ocampo 2006, Ortega <i>et al.</i> 2006
<i>Microgenys minuta</i> Eigenmann, 1913	X	X	NT			X			FMNH 56215 [ex CM 5007], 56216; CAS 47170 [ex IU 12818]
<i>Microschemobrycon callops</i> Böhlke, 1953					X				Lasso <i>et al.</i> 2004, Maldonado-Ocampo <i>et al.</i> 2006b
<i>Microschemobrycon casiquiare</i> Böhlke, 1953				X	X				Lasso <i>et al.</i> 2004, Maldonado-Ocampo <i>et al.</i> 2006b, Galvis <i>et al.</i> 2007a, 2007b
<i>Microschemobrycon geisleri</i> Géry, 1973				X					Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006

Taxa	DC	EN	CT	Amz	Ori	Mag-Cauc	Pac	Car	Collections/References
<i>Moenkhausia browni</i> Eigenmann, 1909				X	X				Lasso <i>et al.</i> 2004, Galvis <i>et al.</i> 2007b
<i>Moenkhausia cf. ceros</i> Eigenmann, 1908					X				Maldonado-Ocampo <i>et al.</i> 2006b
<i>Moenkhausia chrysargyrea</i> (Günther, 1864)				X	X				Lasso <i>et al.</i> 2004, Maldonado-Ocampo 2004, Maldonado-Ocampo <i>et al.</i> 2006b, Ortega <i>et al.</i> 2006
<i>Moenkhausia collettii</i> (Steindachner, 1882)				X	X				Lasso <i>et al.</i> 2004, Maldonado-Ocampo 2004, Bogotá-Gregory & Maldonado-Ocampo 2006, Maldonado-Ocampo <i>et al.</i> 2006b
<i>Moenkhausia comma</i> Eigenmann, 1908				X					Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006, Ortega <i>et al.</i> 2006
<i>Moenkhausia copei</i> (Steindachner, 1882)				X	X				Lasso <i>et al.</i> 2004, Maldonado-Ocampo 2004, Bogotá-Gregory & Maldonado-Ocampo 2006, Maldonado-Ocampo <i>et al.</i> 2006b, Ortega <i>et al.</i> 2006
<i>Moenkhausia cotinho</i> Eigenmann, 1908				X	X				Lasso <i>et al.</i> 2004, Maldonado-Ocampo 2004, Bogotá-Gregory & Maldonado-Ocampo 2006, Maldonado-Ocampo <i>et al.</i> 2006b
<i>Moenkhausia dichrourea</i> (Kner, 1858)				X	X				Lasso <i>et al.</i> 2004, Maldonado-Ocampo 2004, Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006, Maldonado-Ocampo <i>et al.</i> 2006b, Ortega <i>et al.</i> 2006
<i>Moenkhausia doceana</i> (Steindachner, 1877)					X				IAvH-P 2507, 3166*
<i>Moenkhausia eigenmanni</i> Géry, 1964	X	X			X				USNM 198640; ANSP 112249, 139712; MNHN 1980-1445
<i>Moenkhausia georgiae</i> Géry, 1965					X				Lasso <i>et al.</i> 2004
<i>Moenkhausia grandisquamis</i> (Müller & Troschel, 1845)				X	X				Lasso <i>et al.</i> 2004, Bogotá-Gregory & Maldonado-Ocampo 2006, Maldonado-Ocampo <i>et al.</i> 2006b
<i>Moenkhausia intermedia</i> Eigenmann, 1908				X	X				Maldonado-Ocampo <i>et al.</i> 2006b, Galvis <i>et al.</i> 2007b
<i>Moenkhausia jamesi</i> Eigenmann, 1908					X				Lasso <i>et al.</i> 2004, Maldonado-Ocampo <i>et al.</i> 2006b
<i>Moenkhausia lepidura</i> (Kner, 1858)				X	X				Lasso <i>et al.</i> 2004, Maldonado-Ocampo 2004, Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006, Maldonado-Ocampo <i>et al.</i> 2006b, Ortega <i>et al.</i> 2006
<i>Moenkhausia megalops</i> (Eigenmann, 1907)				X	X				Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006, Maldonado-Ocampo <i>et al.</i> 2006b
<i>Moenkhausia melogramma</i> Eigenmann, 1908				X	X				Lasso <i>et al.</i> 2004, Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006, Ortega <i>et al.</i> 2006

Taxa	DC	EN	CT	Amz	Ori	Mag-Cauc	Pac	Car	Collections/References
<i>Moenkhausia metae</i> Eigenmann, 1922	X	X			X				CAS 55610 [ex IU 15026a], 55609 [ex IU 15026], 55608 [ex IU 13951]; FMNH 55214
<i>Moenkhausia miangi</i> Steindachner, 1915				X					Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Moenkhausia naponis</i> Böhlke, 1958				X					Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006, Ortega <i>et al.</i> 2006
<i>Moenkhausia newtoni</i> Travassos, 1964				X					Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Moenkhausia oligolepis</i> (Günther, 1864)				X	X				Lasso <i>et al.</i> 2004, Maldonado-Ocampo 2004, Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006, Maldonado-Ocampo <i>et al.</i> 2006b, Ortega <i>et al.</i> 2006
<i>Moenkhausia orteguasae</i> Fowler, 1943	X	X		X					ANSP 70496
<i>Moenkhausia ovalis</i> (Günther, 1868)				X					Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Moenkhausia robertsi</i> Géry, 1964				X					Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Moenkhausia sanetaefilomenae</i> (Steindachner, 1907)				X					Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Moenkhausia simulata</i> (Eigenmann, 1924)				X					Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Moenkhausia takasei</i> Géry, 1964				X					Ortega <i>et al.</i> 2006
<i>Nematobryeon laeortei</i> Weitzman & Fink, 1971	X	X					X	X	USNM 205594, 205595-96; BMNH 1971.3.16.1; CAS 13396; FMNH 70525; ZMA 110740
<i>Nematobryeon palmeri</i> Eigenmann, 1911	X	X					X	X	BMNH 1910.7.11.196-201, 1910.7.11.196, 1910.7.11.202-207
<i>Othonocheiroidus</i> sp.					X				Lasso <i>et al.</i> 2004, Maldonado-Ocampo 2004
<i>Paraheiroidon axelrodi</i> (Schultz, 1956)					X				Lasso <i>et al.</i> 2004, Maldonado-Ocampo 2004
<i>Paraheiroidon innesi</i> (Myers, 1936)				X					Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006, Ortega <i>et al.</i> 2006
<i>Paraheiroidon simulans</i> (Géry, 1963)					X				Lima <i>et al.</i> 2003
<i>Paragoniates alburnus</i> Steindachner, 1876				X	X				Lasso <i>et al.</i> 2004, Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006, Ortega <i>et al.</i> 2006
<i>Parapristella georgiae</i> Géry, 1964					X				Lasso <i>et al.</i> 2004, Maldonado-Ocampo 2004, Maldonado-Ocampo <i>et al.</i> 2006b
<i>Petitella georgiae</i> Géry & Boutière, 1964				X					Bogotá-Gregory & Maldonado-Ocampo 2006, Galvis <i>et al.</i> 2007b
<i>Phenagoniates maerolepis</i> (Meek & Hildebrand, 1913)								X	Maldonado-Ocampo <i>et al.</i> 2006a, Mojica <i>et al.</i> 2004

Taxa	DC	EN	CT	Amz	Ori	Mag-Cauc	Pac	Car	Collections/References
<i>Prionobrama filigera</i> (Cope, 1870)				X					Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006, Ortega <i>et al.</i> 2006
<i>Pristella maxillaris</i> (Ulrey, 1894)					X				Lasso <i>et al.</i> 2004
<i>Pseudochalceus kyburzi</i> Schultz, 1966	X	X					X		USNM 231738 [was USNM 257403-F27], 171751, 231739 [ex USNM 258173-F1]
<i>Pseudochalceus longianalis</i> Géry, 1972	X						X		MHNG 1226.90., 1226.91-99; ANSP 140067; Géry personal collection 0690
<i>Salminus affinis</i> Steindachner, 1880	X		A1d, A2d	X		X		X	MHNG 1226.90, 1226.91-99; ANSP 140067
<i>Salminus hilarii</i> Valenciennes, 1850				X	X				Lasso <i>et al.</i> 2004, Bogotá-Gregory & Maldonado-Ocampo 2006, Ortega <i>et al.</i> 2006
<i>Schultziites axelrodi</i> Géry, 1964	X	X			X				USNM 198642
<i>Serrabrycon magoi</i> Vari, 1986					X				Lasso <i>et al.</i> 2004, Maldonado-Ocampo 2004
<i>Stichonodon insignis</i> (Steindachner, 1876)				X					Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Thayeria boehlkei</i> Weitzman, 1957				X					Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Thayeria obliqua</i> Eigenmann, 1908				X	X				Lasso <i>et al.</i> 2004, Maldonado-Ocampo 2004, Bogotá-Gregory & Maldonado-Ocampo 2006, Maldonado-Ocampo <i>et al.</i> 2006b, Ortega <i>et al.</i> 2006
<i>Thrissobrycon pectinifer</i> Böhlke, 1953					X				Lasso <i>et al.</i> 2004, Maldonado-Ocampo <i>et al.</i> 2006b
<i>Triportheus albus</i> Cope, 1872				X					Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006, Ortega <i>et al.</i> 2006
<i>Triportheus angulatus</i> (Spix & Agassiz, 1829)				X					Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006, Ortega <i>et al.</i> 2006
<i>Triportheus auritus</i> (Valenciennes, 1850)					X				Lasso <i>et al.</i> 2004, Maldonado-Ocampo 2004, Maldonado-Ocampo <i>et al.</i> 2006b
<i>Triportheus elongatus</i> (Günther, 1864)				X					Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006, Ortega <i>et al.</i> 2006
<i>Triportheus brachipomus</i> Malabarba, 2004					X				Lasso <i>et al.</i> 2004, Maldonado-Ocampo 2004, Maldonado-Ocampo <i>et al.</i> 2006b
<i>Triportheus magdalenae</i> (Steindachner, 1878)	X	X				X			NMW 69151-54; ZMUC 87
<i>Triportheus orinocensis</i> Malabarba, 2004					X				Lasso <i>et al.</i> 2004
<i>Triportheus pictus</i> (Garman, 1890)				X					Bogotá-Gregory & Maldonado-Ocampo 2006

Taxa	DC	EN	CT	Amz	Ori	Mag-Cauc	Pac	Car	Collections/References
<i>Triportheus venezuelensis</i> Malabarba, 2004					X				Lasso <i>et al.</i> 2004, Maldonado-Ocampo 2004, Maldonado-Ocampo <i>et al.</i> 2006b
<i>Xenagoniates bondi</i> Myers, 1942					X				Lasso <i>et al.</i> 2004
<b>Agoniatinae</b>									
<i>Agoniates anchovia</i> Eigenmann, 1914				X					Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Agoniates halecinus</i> Müller & Troschel, 1845				X	X				Bogotá-Gregory & Maldonado-Ocampo 2006, Maldonado-Ocampo <i>et al.</i> 2006b
<b>Clupecharacinae</b>									
<i>Clupecharax anchoveoides</i> Pearson, 1924				X					Ortega <i>et al.</i> 2006
<b>Iguanodectinae</b>									
<i>Iguanodectes adujai</i> Géry, 1970				X	X				IAvH-P 1118, 10249, 10673*
<i>Iguanodectes geisleri</i> Géry, 1970				X	X				Lasso <i>et al.</i> 2004, Maldonado-Ocampo 2004, Bogotá-Gregory & Maldonado-Ocampo 2006, Maldonado-Ocampo <i>et al.</i> 2006b
<i>Iguanodectes purisii</i> (Steindachner, 1908)				X					Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Iguanodectes spilurus</i> (Günther, 1864)				X	X				Lasso <i>et al.</i> 2004, Maldonado-Ocampo 2004, Bogotá-Gregory & Maldonado-Ocampo 2006, Maldonado-Ocampo <i>et al.</i> 2006b, Ortega <i>et al.</i> 2006
<b>Bryconinae</b>									
<i>Brycon amazonicus</i> (Spix & Agassiz, 1829)					X				Lasso <i>et al.</i> 2004, Maldonado-Ocampo <i>et al.</i> 2006b
<i>Brycon argenteus</i> Meek & Hildebrand, 1913							X		Mojica <i>et al.</i> 2004
<i>Brycon bicolor</i> Pellegrin 1909				X	X				Lasso <i>et al.</i> 2004, Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Brycon cephalus</i> (Günther, 1869)				X					Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Brycon dentex</i> Günther, 1860							X		Mojica <i>et al.</i> 2004
<i>Brycon falcatus</i> Müller & Troschel, 1844				X	X				Lasso <i>et al.</i> 2004, Maldonado-Ocampo 2004, Bogotá-Gregory & Maldonado-Ocampo 2006, Maldonado-Ocampo <i>et al.</i> 2006b
<i>Brycon fowleri</i> Dahl, 1955	X	X				X		X	Holotype and paratypes: whereabouts unknown
<i>Brycon henni</i> Eigenmann, 1913	X	X				X	X		FMNH 56384 [ex CM 5152], 56341-46, 69556, 75147; CAS 18536, 39495-98; USNM 79169
<i>Brycon hilarii</i> -group				X					Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Brycon labiatus</i> Steindachner, 1879	X	X				X			NMW Holotype catalogue number unknown



Taxa	DC	EN	CT	Amz	Ori	Mag-Cauc	Pac	Car	Collections/References
<i>Brycon medemi</i> Dahl, 1960	X	X						X	ICNMHN 41, 73
<i>Brycon meeki</i> Eigenmann & Hildebrand, 1918	X	X					X	X	CAS 13467 [ex IU 13467], 13460, 18542, 18537, 54945, 61208-15, 61217-18; SU 22761; USNM 280489; MBUCV
<i>Brycon melanopterus</i> (Cope, 1872)				X	X				Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006, Ortega <i>et al.</i> 2006, Galvis <i>et al.</i> 2007a
<i>Brycon moorei</i> Steindachner, 1878	X	X				X		X	NMW Holotype catalogue number unknown
<i>Brycon oligolepis</i> Regan, 1913	X						X	X	BMNH 1913.10.1.8-9
<i>Brycon opalinus</i> (Cuvier, 1819)				X					Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Brycon pesu</i> Müller & Troschel, 1845				X	X				Bogotá-Gregory & Maldonado-Ocampo 2006, Galvis <i>et al.</i> 2007ab
<i>Brycon posadae</i> Fowler, 1945	X						X		ANSP 71695
<i>Brycon rubricauda</i> Steindachner, 1879	X	X				X		X	NMW Holotype catalogue number unknown
<i>Brycon sinuensis</i> Dahl, 1955	X	X						X	Syntypes: lost
<i>Brycon striatulus</i> (Kner, 1863)							X	X	IAvH-P 7150*
<i>Brycon whitei</i> Myers & Weitzman, 1960	X				X				SU 48818, 48817 [not SU 44817]
<b>Serrasalminae</b>									
<i>Catoprion mento</i> (Cuvier, 1819)				X	X				Lasso <i>et al.</i> 2004, Maldonado-Ocampo 2004, Bogotá-Gregory & Maldonado-Ocampo 2006, Maldonado-Ocampo <i>et al.</i> 2006b
<i>Colossoma macropomum</i> (Cuvier, 1818)			NT	X	X				Lasso <i>et al.</i> 2004, Maldonado-Ocampo 2004, Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006, Maldonado-Ocampo <i>et al.</i> 2006b, Ortega <i>et al.</i> 2006
<i>Metynnis argenteus</i> Ahl, 1923				X	X				Lasso <i>et al.</i> 2004, Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Metynnis hypsauchen</i> (Müller & Trsochel, 1844)				X	X				Lasso <i>et al.</i> 2004, Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Metynnis lippincottianus</i> Cope, 1870				X	X				Lasso <i>et al.</i> 2004, Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Metynnis luna</i> (Cope, 1870)				X	X				Lasso <i>et al.</i> 2004, Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Metynnis maculatus</i> (Kner, 1858)				X					Ortega <i>et al.</i> 2006
<i>Mylesinus schomburgki</i> Valenciennes, 1850					X				Lasso <i>et al.</i> 2004
<i>Myleus pacu</i> (Jardine & Schomburgk, 1841)				X					Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Myleus rhomboidalis</i> (Cuvier, 1818)				X					Bogotá-Gregory & Maldonado-Ocampo 2006

Taxa	DC	EN	CT	Amz	Ori	Mag-Cauc	Pac	Car	Collections/References
<i>Myleus schomburgkii</i> Valenciennes, 1849				X	X				Lasso <i>et al.</i> 2004, Bogotá-Gregory & Maldonado-Ocampo 2006, Maldonado-Ocampo <i>et al.</i> 2006b
<i>Myleus setiger</i> (Valenciennes, 1849)				X	X				Lasso <i>et al.</i> 2004, Bogotá-Gregory & Maldonado-Ocampo 2006, Maldonado-Ocampo <i>et al.</i> 2006b
<i>Myleus ternetzi</i> (Norman, 1929)				X					Galvis <i>et al.</i> 2007b
<i>Myleus torquatus</i> (Kner, 1860)				X	X				Lasso <i>et al.</i> 2004, Bogotá-Gregory & Maldonado-Ocampo 2006, Maldonado-Ocampo <i>et al.</i> 2006b
<i>Myloplus asterias</i> (Muller & Troschel, 1845)				X	X				Lasso <i>et al.</i> 2004, Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Myloplus rubripinnis</i> (Müller & Troschel, 1844)				X	X				Lasso <i>et al.</i> 2004, Maldonado-Ocampo 2004, Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006, Maldonado-Ocampo <i>et al.</i> 2006b, Ortega <i>et al.</i> 2006
<i>Mylossoma acanthogaster</i> (Valenciennes, 1850)								X	Galvis <i>et al.</i> 1997
<i>Mylossoma aureum</i> (Agassiz, 1829)				X	X				Lasso <i>et al.</i> 2004, Maldonado-Ocampo 2004, Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006, Maldonado-Ocampo <i>et al.</i> 2006b, Ortega <i>et al.</i> 2006
<i>Mylossoma duriventre</i> (Cuvier, 1818)				X	X				Lasso <i>et al.</i> 2004, Maldonado-Ocampo 2004, Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006, Maldonado-Ocampo <i>et al.</i> 2006b, Ortega <i>et al.</i> 2006
<i>Piaractus brachypomus</i> (Cuvier, 1818)				X	X				Lasso <i>et al.</i> 2004, Maldonado-Ocampo 2004, Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006, Maldonado-Ocampo <i>et al.</i> 2006b, Ortega <i>et al.</i> 2006
<i>Pristobrycon aureus</i> (Spix & Agassiz, 1829)				X					Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Pristobrycon calmoni</i> (Steindachner, 1908)				X	X				Lasso <i>et al.</i> 2004, Maldonado-Ocampo 2004, Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006, Maldonado-Ocampo <i>et al.</i> 2006b
<i>Pristobrycon careospinus</i> Fink & Machado-Allison, 1992				X	X				Lasso <i>et al.</i> 2004, Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006, Maldonado-Ocampo <i>et al.</i> 2006b
<i>Pristobrycon maculipinnis</i> Fink & Machado-Allison, 1992				X					Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Pristobrycon striolatus</i> (Steindachner, 1908)				X	X				Lasso <i>et al.</i> 2004, Bogotá-Gregory & Maldonado-Ocampo 2006, Maldonado-Ocampo <i>et al.</i> 2006b
<i>Pygocentrus cariba</i> (Humboldt & Valenciennes, 1821)					X				Lasso <i>et al.</i> 2004, Maldonado-Ocampo 2004, Maldonado-Ocampo <i>et al.</i> 2006b
<i>Pygocentrus nattereri</i> Kner, 1858				X	X				Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006, Ortega <i>et al.</i> 2006

Taxa	DC	EN	CT	Amz	Ori	Mag-Cauc	Pac	Car	Collections/References
<i>Pygopristis denticulata</i> (Cuvier, 1819)					X				Maldonado-Ocampo <i>et al.</i> 2006b
<i>Serrasalmus altuvei</i> Ramírez, 1965				X	X				Lasso <i>et al.</i> 2004, Maldonado-Ocampo 2004, Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006, Maldonado-Ocampo <i>et al.</i> 2006b, Ortega <i>et al.</i> 2006
<i>Serrasalmus compressus</i> Jégu, Leão & Santos, 1991				X					Galvis <i>et al.</i> 2007b
<i>Serrasalmus elongatus</i> Kner, 1858				X					Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006, Ortega <i>et al.</i> 2006
<i>Serrasalmus gouldingi</i> (Fink & Machado-Alison, 1992)				X					Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Serrasalmus hollandi</i> Eigenmann, 1915				X					Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Serrasalmus humeralis</i> Valenciennes, 1850				X					Bogotá-Gregory & Maldonado-Ocampo 2006, Ortega <i>et al.</i> 2006
<i>Serrasalmus irritans</i> Peters, 1877				X	X				Lasso <i>et al.</i> 2004, Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Serrasalmus maculatus</i> Kner, 1858				X					Jegú 2003
<i>Serrasalmus manueli</i> (Fernández-Yépez & Ramírez, 1967)				X	X				Lasso <i>et al.</i> 2004, Maldonado-Ocampo <i>et al.</i> 2006b
<i>Serrasalmus medinae</i> Ramírez, 1965				X	X				Lasso <i>et al.</i> 2004, Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006, Maldonado-Ocampo <i>et al.</i> 2006b
<i>Serrasalmus nalseni</i> Fernández-Yépez, 1969				X					Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Serrasalmus rhombeus</i> (Linnaeus, 1766)				X	X				Lasso <i>et al.</i> 2004, Maldonado-Ocampo 2004, Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006, Maldonado-Ocampo <i>et al.</i> 2006b, Ortega <i>et al.</i> 2006
<i>Serrasalmus sanchezi</i> Géry, 1964				X					Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Serrasalmus spiroleura</i> Kner, 1858				X	X				Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006, Ortega <i>et al.</i> 2006
<b>Aphyocharacinae</b>									
<i>Aphyocharax alburnus</i> (Günther, 1869)				X	X				Lasso <i>et al.</i> 2004, Maldonado-Ocampo 2004, Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006, Maldonado-Ocampo <i>et al.</i> 2006b, Ortega <i>et al.</i> 2006
<i>Aphyocharax erythrurus</i> Eigenmann, 1912				X	X				Lasso <i>et al.</i> 2004, Maldonado-Ocampo 2004, Maldonado-Ocampo <i>et al.</i> 2006b
<i>Aphyocharax pusillus</i> Günther, 1868				X					Bogotá-Gregory & Maldonado-Ocampo 2006, Ortega <i>et al.</i> 2006

Taxa	DC	EN	CT	Amz	Ori	Mag-Cauc	Pac	Car	Collections/References
<b>Characinae</b>									
<i>Acanthocharax microlepis</i> Eigenmann, 1912					X				Galvis <i>et al.</i> 2007a
<i>Acestrocephalus anomalus</i> (Steindachner, 1880)	X	X				X			NMW 57983
<i>Acestrocephalus boehlkei</i> Menezes, 1977				X					Bogotá-Gregory & Maldonado-Ocampo 2006, Ortega <i>et al.</i> 2006
<i>Acestrocephalus sardina</i> (Fowler, 1913)				X	X				Menezes 2006
<i>Charax condei</i> (Géry & Knöppel, 1876)				X	X				Lasso <i>et al.</i> 2004, Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006, Maldonado-Ocampo <i>et al.</i> 2006b
<i>Charax gibbosus</i> (Linnaeus, 1758)				X	X				Lasso <i>et al.</i> 2004, Maldonado-Ocampo 2004, Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006, Maldonado- Ocampo <i>et al.</i> 2006b, Ortega <i>et al.</i> 2006
<i>Charax leiticiae</i> Lucena, 1987				X					Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Charax meiae</i> Eigenmann, 1912	X	X			X				CAS 41300 [ex IU 15027], 69117 [ex IU 15027]; FMNH 55145; SU 60707 [ex IU 15028]; UMMZ 160226; USNM 83631 [ex IU 15027]
<i>Charax michaeli</i> Lucena, 1989				X					Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Charax niger</i> Lucena, 1989				X					Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Charax tectifer</i> (Cope, 1870)				X					Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006, Ortega <i>et al.</i> 2006
<i>Cynopotamus amazonus</i> (Günther, 1868)				X					Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006, Ortega <i>et al.</i> 2006
<i>Cynopotamus atratoensis</i> (Eigenmann, 1907)	X	X						X	USNM 1664, 306567 [ex USNM 1664]
<i>Cynopotamus bipunctatus</i> Pellegrin, 1909					X				Lasso <i>et al.</i> 2004
<i>Cynopotamus magdalena</i> (Steindachner, 1879)	X	X				X			NMW 62501-02 , 62504-05, 77769
<i>Galeocharax gulo</i> (Cope, 1870)				X					Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006, Ortega <i>et al.</i> 2006
<i>Gnathocharax steindachneri</i> Fowler, 1913					X				Lasso <i>et al.</i> 2004, Maldonado-Ocampo <i>et al.</i> 2006b
<i>Heterocharax macrolepis</i> Eigenmann, 1912				X	X				Lasso <i>et al.</i> 2004, Maldonado-Ocampo 2004, Bogotá-Gregory & Maldonado- Ocampo 2006, Maldonado-Ocampo <i>et al.</i> 2006b
<i>Hoplocharax goethei</i> Géry, 1966					X				Lasso <i>et al.</i> 2004, Maldonado-Ocampo <i>et al.</i> 2006b

Taxa	DC	EN	CT	Amz	Ori	Mag-Cauc	Pac	Car	Collections/References
<i>Lonchogenys ilisha</i> Myers, 1927				X	X				Lasso <i>et al.</i> 2004, Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006, Maldonado-Ocampo <i>et al.</i> 2006b, Ortega <i>et al.</i> 2006
<i>Phenacogaster megalostictus</i> Eigenmann, 1909					X				Lasso <i>et al.</i> 2004, Maldonado-Ocampo <i>et al.</i> 2006b
<i>Phenacogaster microstictus</i> Eigenmann, 1909					X				Lasso <i>et al.</i> 2004
<i>Phenacogaster pectinatus</i> (Cope, 1870)				X					Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Priocharax pygmaeus</i> Weitzman & Vari, 1987	X	X		X					NRM 15048; MBUCV-V-15342; MZUSP 36498; NRM 17593; USNM 278479
<i>Roeboides affinis</i> (Günther, 1868)				X	X				Lasso <i>et al.</i> 2004, Maldonado-Ocampo 2004, Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006, Maldonado-Ocampo <i>et al.</i> 2006b, Ortega <i>et al.</i> 2006
<i>Roeboides dayi</i> (Steindachner, 1878)	X					X	X	X	NMW 67132
<i>Roeboides dientonito</i> Schultz, 1944					X				Lasso <i>et al.</i> 2004
<i>Roeboides myersii</i> Gill, 1870				X	X				Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006, Ortega <i>et al.</i> 2006
<i>Roeboides occidentalis</i> Meek & Hildebrand, 1916						X	X	X	Mojica <i>et al.</i> 2004, Maldonado-Ocampo <i>et al.</i> 2005, 2006a, Mojica <i>et al.</i> 2006b, Villa-Navarro <i>et al.</i> 2006, Ortega-Lara <i>et al.</i> 2006a
<b>Stethaprioninae</b>									
<i>Brachyhalcinus copei</i> (Steindachner, 1882)				X					Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Brachyhalcinus nummus</i> Böhlke, 1958				X					Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Brachyhalcinus orbicularis</i> (Valenciennes, 1850)				X	X				Lasso <i>et al.</i> 2004, Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Poptella brevispina</i> Reis, 1989					X				IAvH-P 4382*
<i>Poptella compressa</i> (Günther, 1864)					X				Lasso <i>et al.</i> 2004
<i>Poptella longipinnis</i> (Popta, 1901)					X				Lasso <i>et al.</i> 2004
<i>Stethaprion erythroptus</i> (Cope, 1870)				X					Galvis <i>et al.</i> 2007b
<b>Tetragonopterinae</b>									
<i>Tetragonopterus argenteus</i> Cuvier, 1816				X	X				Lasso <i>et al.</i> 2004, Maldonado-Ocampo 2004, Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006, Maldonado-Ocampo <i>et al.</i> 2006b, Ortega <i>et al.</i> 2006

Taxa	DC	EN	CT	Amz	Ori	Mag-Cauc	Pac	Car	Collections/References
<i>Tetragonopterus chalceus</i> Spix & Agassiz, 1829				X	X				Lasso <i>et al.</i> 2004, Maldonado-Ocampo 2004, Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006, Maldonado-Ocampo <i>et al.</i> 2006b, Ortega <i>et al.</i> 2006
<b>Rhoadsiinae</b>									
<i>Parastremma album</i> Dahl, 1960	X						X		ICNMHN 147, 147a
<i>Parastremma pulchrum</i> Dahl, 1960	X	X					X	X	ICNMHN 204
<i>Parastremma sadina</i> Eigenmann, 1912	X	X					X	X	FMNH 56022 [ex CM 4812], 56023, 69678; CAS 57600 [ex IU 12675]; USNM 79225
<b>Cheirodontinae</b>									
<i>Cheirodon pulcher</i> (Gill, 1858)					X				Lasso <i>et al.</i> 2004
<i>Cheirodontops geayi</i> Schultz, 1944					X				Lasso <i>et al.</i> 2004
<i>Nanocheirodon insignis</i> (Steindachner, 1880)	X	X				X		X	NMW 62543-44
<i>Odontostilbe fugitiva</i> Cope, 1870				X					Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Odontostilbe splendida</i> Bührnheim & Malabarba, 2007	X				X				ANSP 181040; ANSP 181041; ICNMHN 14168; INPA 25173; MBUCV 32890, MCNG 54519; MCP 38862
<i>Saccoderma hastatus</i> (Eigenmann, 1913)	X	X				X		X	FMNH 56383 [ex CM 5103], 56300, 69555; CAS 70919 [ex IU 12861]; USNM 79223
<i>Saccoderma melanostigma</i> Schultz, 1944								X	Mojica <i>et al.</i> 2004
<i>Saccoderma robusta</i> Dahl, 1955	X	X						X	MHNG 1066.39-42
<b>Glandulocaudinae</b>									
<i>Argopleura chocoensis</i> (Eigenmann, 1913)	X	X					X	X	FMNH 56235 [ex CM 5036], 56236-4, 69710, 69777; CAS 39030-33 [ex IU 12939-42]; USNM 236096 [ex 76943], 79173, 249871 [ex 76943]
<i>Argopleura conventus</i> (Eigenmann, 1913)	X	X				X			FMNH 56261 [ex CM 5060], 56262, 71290; CAS 39439 [ex IU 12802]; USNM 79174
<i>Argopleura diquensis</i> (Eigenmann, 1913)	X	X				X			FMNH 56272 [ex CM 5072], 56273, 69690; CAS 39013 [ex IU 12820]
<i>Argopleura magdalenensis</i> (Eigenmann, 1913)	X	X				X			FMNH 56263 [ex CM 5063], 56264-65, 56267-71, 56275, 69760; BMNH 1924.3.3.37-38; CAS 40827-32 [ex IU 12821-26]; USNM 79176, 236097
<i>Corynopoma riisei</i> Gill, 1858					X				Lasso <i>et al.</i> 2004
<i>Gephyrocharax caucanus</i> Eigenmann, 1912	X	X				X			FMNH 56012 [ex CM 4802], 56013-15, 69553, 95008; CAS 44275-77 [ex IU 12668-70]; USNM 81921
<i>Gephyrocharax chocoensis</i> Eigenmann, 1912	X	X					X	X	FMNH 56016; IAvH-P 7228-7233

Taxa	DC	EN	CT	Amz	Ori	Mag-Cauc	Pac	Car	Collections/References
<i>Gephyrocharax martae</i> Dahl, 1943	X	X				X			ZMUL Holotype catalogue number unknown
<i>Gephyrocharax melanocheir</i> Eigenmann, 1912	X	X				X		X	FMNH 56049 [ex CM 4839], 56050-51, 69554; CAS 44292-93 [ex IU 12696-97]; USNM 79209
<i>Gephyrocharax sinuensis</i> Dahl, 1964	X	X						X	Holotype ICNMHN (apparently destroyed), ICNMHN 749
<i>Gephyrocharax valencia</i> Eigenmann, 1920					X				Lasso <i>et al.</i> 2004
<i>Pterobrycon landoni</i> Eigenmann, 1913	X	X						X	FMNH 56250 [ex CM 5051]
<i>Tytocharax cochui</i> (Ladiges, 1950)				X					Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Tytocharax madeirae</i> Fowler, 1913				X					Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Xenobrycon heterodon</i> Weitzman & Fink, 1985				X					Bogotá-Gregory & Maldonado-Ocampo 2006
<b>Acestrorhynchidae</b>									
<i>Acestrorhynchus abbreviatus</i> (Cope, 1878)				X					Galvis <i>et al.</i> 2007b
<i>Acestrorhynchus falcatus</i> (Bloch, 1794)				X	X				Lasso <i>et al.</i> 2004, Maldonado-Ocampo 2004, Bogotá-Gregory & Maldonado-Ocampo 2006, Maldonado-Ocampo <i>et al.</i> 2006b, Ortega <i>et al.</i> 2006
<i>Acestrorhynchus falcirostris</i> (Cuvier, 1819)				X	X				Lasso <i>et al.</i> 2004, Maldonado-Ocampo 2004, Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006, Maldonado-Ocampo <i>et al.</i> 2006b, Ortega <i>et al.</i> 2006
<i>Acestrorhynchus grandoculis</i> Menezes & Géry, 1983					X				Maldonado-Ocampo <i>et al.</i> 2006b
<i>Acestrorhynchus heterolepis</i> (Cope, 1878)				X	X				Bogotá-Gregory & Maldonado-Ocampo 2006, Maldonado-Ocampo <i>et al.</i> 2006b, Ortega <i>et al.</i> 2006
<i>Acestrorhynchus lacustris</i> (Lütken, 1875)				X					Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006, Ortega <i>et al.</i> 2006
<i>Acestrorhynchus microlepis</i> (Schomburgk, 1841)				X	X				Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006, Ortega <i>et al.</i> 2006
<i>Acestrorhynchus minimus</i> Menezes, 1969					X				Lasso <i>et al.</i> 2004, Maldonado-Ocampo <i>et al.</i> 2006b
<i>Acestrorhynchus nasutus</i> Eigenmann, 1912					X				Lasso <i>et al.</i> 2004
<b>Cynodontidae</b>									
<i>Cynodon gibbus</i> Spix & Agassiz, 1829				X	X				Lasso <i>et al.</i> 2004, Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006, Maldonado-Ocampo <i>et al.</i> 2006b, Ortega <i>et al.</i> 2006

Taxa	DC	EN	CT	Amz	Ori	Mag-Cauc	Pac	Car	Collections/References
<i>Cynodon septenarius</i> Toledo-Pizza, 2000					X				Lasso <i>et al.</i> 2004
<i>Gilbertolus alatus</i> (Steindachner, 1878)	X	X				X			NMW 14998
<i>Gilbertolus arratoensis</i> Schultz, 1943	X	X						X	USNM 76976, 120170
<i>Hydrolycus armatus</i> (Jardine & Schomburgk, 1841)				X	X				Lasso <i>et al.</i> 2004, Bogotá-Gregory & Maldonado-Ocampo 2006, Maldonado-Ocampo <i>et al.</i> 2006b
<i>Hydrolycus scomberoides</i> (Cuvier, 1816)				X					Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006, Ortega <i>et al.</i> 2006
<i>Hydrolycus tatauaia</i> Toledo-Pizza, Menezes & Santos, 1999					X				Lasso <i>et al.</i> 2004
<i>Hydrolycus wallacei</i> Toledo-Pizza, Menezes & Santos, 1999				X	X				Lasso <i>et al.</i> 2004, Bogotá-Gregory & Maldonado-Ocampo 2006, Maldonado-Ocampo <i>et al.</i> 2006b
<i>Rhaphiodon vulpinus</i> Spix & Agassiz, 1829				X	X				Lasso <i>et al.</i> 2004, Maldonado-Ocampo 2004, Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006, Maldonado-Ocampo <i>et al.</i> 2006b, Ortega <i>et al.</i> 2006
<i>Roestes molossus</i> (Kner, 1858)				X					Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Roestes ogilviei</i> (Fowler, 1914)				X					Galvis <i>et al.</i> 2007b
<b>Erythrinidae</b>									
<i>Erythrinus erythrinus</i> (Bloch & Schneider, 1801)				X	X				Lasso <i>et al.</i> 2004, Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006, Ortega <i>et al.</i> 2006
<i>Hoplerythrinus unitaeniatus</i> (Agassiz, 1829)				X	X				Lasso <i>et al.</i> 2004, Maldonado-Ocampo 2004, Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006, Maldonado-Ocampo <i>et al.</i> 2006b, Ortega <i>et al.</i> 2006
<i>Hoplias malabaricus</i> (Bloch, 1794)				X	X	X	X	X	Galvis <i>et al.</i> 1997, Lasso <i>et al.</i> 2004, Maldonado-Ocampo 2004, Mojica <i>et al.</i> 2005, Maldonado-Ocampo <i>et al.</i> 2006, Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006, Maldonado-Ocampo <i>et al.</i> 2006ab, Mojica <i>et al.</i> 2006ab, Ortega <i>et al.</i> 2006, Ortega-Lara 2006ab, Villa-Navarro <i>et al.</i> 2006
<i>Hoplias microlepis</i> (Günther, 1864)							X		Oyakawa 2003
<b>Lebiasinidae</b>									
<i>Copeina guttata</i> (Seteindachner, 1876)				X					Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006, Ortega <i>et al.</i> 2006
<i>Copeina osgoodi</i> Eigenmann, 1922				X					Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006, Ortega <i>et al.</i> 2006



Taxa	DC	EN	CT	Amz	Ori	Mag-Cauc	Pac	Car	Collections/References
<i>Copella arnoldi</i> (Regan, 1912)				X					Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Copella compta</i> (Myers, 1927)				X					Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Copella metae</i> (Eigenmann, 1914)	X				X				CAS 60494 [ex IU 13251a], 60495 [ex IU 13251]; SU 24656
<i>Copella nattereri</i> (Steindachner, 1876)				X	X				Lasso <i>et al.</i> 2004, Bogotá-Gregory & Maldonado-Ocampo 2006, Ortega <i>et al.</i> 2006
<i>Copella nigrofasciata</i> (Meinken, 1952)				X					Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Copella vilmae</i> Géry, 1963				X					Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Lebiasina astrigata</i> Regan, 1913								X	Maldonado-Ocampo <i>et al.</i> 2006a, Mojica <i>et al.</i> 2004
<i>Lebiasina aureoguttata</i> Fowler, 1911							X		Mojica <i>et al.</i> 2004
<i>Lebiasina chucuriensis</i> Ardila Rodríguez, 2001	X	X				X			CAR 150424, 150423, 150425
<i>Lebiasina colombia</i> Ardila Rodríguez, 2008	X	X						X	CAR 190, 191, 192; ICNMHN 5314
<i>Lebiasina elongata</i> Boulenger, 1887				X					Maldonado-Ocampo <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Lebiasina erythrinoides</i> Valenciennes, 1849				X	X	X			Lasso <i>et al.</i> 2004, Maldonado-Ocampo <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Lebiasina festae</i> Boulenger, 1899							X	X	Maldonado-Ocampo <i>et al.</i> 2006a, Mojica <i>et al.</i> 2004
<i>Lebiasina floridablancaensis</i> Ardila Rodríguez, 1994	X	X				X			CAR 15-04-01; MBUCV-V-26713 [ex CAR 15-04-02 and 03]; MHNUNC 1837
<i>Lebiasina multimaculata</i> Boulenger, 1911	X	X					X		BMNH 1910.7.11.167-169
<i>Lebiasina narinensis</i> Ardila Rodríguez, 2002	X	X				X	X		ICNMHN 2340, 2340-1
<i>Lebiasina ortegai</i> Ardila Rodríguez, 2008	X	X				X			CAR 157, 265; CZUT-IC 2586; IAvH-P 9875; IMCN 4200, 4201
<i>Lebiasina panamensis</i> Gill, 1877							X	X	Maldonado-Ocampo <i>et al.</i> 2006a, Mojica <i>et al.</i> 2004
<i>Lebiasina pleurotaenia</i> Regan, 1903								X	Galvis <i>et al.</i> 1997
<i>Nannostomus eques</i> Steindachner, 1876				X	X				Lasso <i>et al.</i> 2004, Maldonado-Ocampo 2004, Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006, Maldonado-Ocampo <i>et al.</i> 2006b
<i>Nannostomus espeii</i> (Meinken, 1956)					X				Lasso <i>et al.</i> 2004

Taxa	DC	EN	CT	Amz	Ori	Mag-Cauc	Pac	Car	Collections/References
<i>Nannostomus harrisoni</i> (Eigenmann, 1909)				X	X				Lasso <i>et al.</i> 2004, Bogotá-Gregory & Maldonado-Ocampo 2006, Maldonado-Ocampo <i>et al.</i> 2006b, Ortega <i>et al.</i> 2006
<i>Nannostomus marginatus</i> Eigenmann, 1909				X	X				Lasso <i>et al.</i> 2004, Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006, Ortega <i>et al.</i> 2006
<i>Nannostomus marilynae</i> Weitzman & Cobb, 1975				X	X				Lasso <i>et al.</i> 2004, Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Nannostomus trifaseiatus</i> Steindachner, 1876				X	X				Lasso <i>et al.</i> 2004, Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006, Ortega <i>et al.</i> 2006
<i>Nannostomus unifaseiatus</i> Steindachner, 1876				X	X				Lasso <i>et al.</i> 2004, Bogotá-Gregory & Maldonado-Ocampo 2006, Maldonado-Ocampo <i>et al.</i> 2006b, Ortega <i>et al.</i> 2006
<i>Pyrrhulina brevis</i> Steindachner, 1876				X	X				Lasso <i>et al.</i> 2004, Bogotá-Gregory & Maldonado-Ocampo 2006, Ortega <i>et al.</i> 2006
<i>Pyrrhulina eleanorae</i> Fowler, 1940					X				IAvH-P 5222, 5223*
<i>Pyrrhulina filamentosa</i> Valenciennes, 1847					X				Lasso <i>et al.</i> 2004
<i>Pyrrhulina laeta</i> (Cope, 1872)				X					Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006, Ortega <i>et al.</i> 2006
<i>Pyrrhulina lugubris</i> Eigenmann, 1922	X			X	X				CAS 78888 [ex IU 15041a], 78888 [ex IU 15041]
<i>Pyrrhulina obermuelleri</i> Myers, 1926				X					Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Pyrrhulina semifaseiata</i> Steindachner, 1876				X					Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Pyrrhulina stoli</i> Boeseman, 1953				X	X				Bogotá-Gregory & Maldonado-Ocampo 2006, IAvH-P 4997*
<b>Ctenoluciidae</b>									
<i>Boulengerella euvieri</i> (Agassiz, 1829)				X	X				Lasso <i>et al.</i> 2004, Bogotá-Gregory & Maldonado-Ocampo 2006, Maldonado-Ocampo <i>et al.</i> 2006b
<i>Boulengerella lateristriga</i> (Boulenger, 1895)				X	X				Lasso <i>et al.</i> 2004, Bogotá-Gregory & Maldonado-Ocampo 2006, Maldonado-Ocampo <i>et al.</i> 2006b
<i>Boulengerella lueius</i> (Cuvier, 1817)				X	X				Lasso <i>et al.</i> 2004, Bogotá-Gregory & Maldonado-Ocampo 2006, Maldonado-Ocampo <i>et al.</i> 2006b
<i>Boulengerella maculata</i> (Valenciennes, 1850)				X	X				Lasso <i>et al.</i> 2004, Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006, Maldonado-Ocampo <i>et al.</i> 2006b, Ortega <i>et al.</i> 2006
<i>Boulengerella xyrekes</i> Vari, 1995				X	X				Bogotá-Gregory & Maldonado-Ocampo 2006, Maldonado-Ocampo <i>et al.</i> 2006b, Ortega <i>et al.</i> 2006

Taxa	DC	EN	CT	Amz	Ori	Mag-Cauc	Pac	Car	Collections/References
<i>Ctenolucius beani</i> (Fowler, 1907)	X						X	X	ANSP 16642 [ex USNM 1658]
<i>Ctenolucius hujeta</i> (Valenciennes, 1850)						X		X	Galvis <i>et al.</i> 1997, Maldonado-Ocampo <i>et al.</i> 2005, Mojica <i>et al.</i> 2006b, Villanavarró <i>et al.</i> 2006, Ortega-Lara <i>et al.</i> 2006a
<b>Siluriformes</b>									
<b>Cetopsidae</b>									
<i>Cetopsidium morenoi</i> (Fernández-Yépez, 1972)					X				Lasso <i>et al.</i> 2004
<i>Cetopsidium pemon</i> Vari, Ferraris & de Pinna, 2005					X				Vari <i>et al.</i> 2005
<i>Cetopsis amphiloza</i> (Eigenmann, 1914)	X						X	X	FMNH 56519 [ex CM 5332]; CAS 77028 [ex IU 13009], 77027 [ex IU 13040]
<i>Cetopsis baudoensis</i> (Dahl, 1960)	X	X					X		ICNMHN 118, 100
<i>Cetopsis candiru</i> Spix & Agassiz, 1829				X					Mojica <i>et al.</i> 2005, Vari <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006, Ortega <i>et al.</i> 2006
<i>Cetopsis coecutiens</i> (Lichtenstein, 1819)				X	X				Lasso <i>et al.</i> 2004, Mojica <i>et al.</i> 2005, Vari <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006, Ortega <i>et al.</i> 2006
<i>Cetopsis fimbriata</i> Vari, Ferraris & de Pinna, 2005	X	X						X	USNM 305348, 372825, 372826; ICNMHN 7272
<i>Cetopsis jurubidae</i> (Fowler, 1944)	X	X					X		ANSP 71430
<i>Cetopsis motataensis</i> (Schultz, 1944)								X	Galvis <i>et al.</i> 1997, Vari <i>et al.</i> 2005
<i>Cetopsis oliveirai</i> (Lundberg & Rapp Py-Daniel, 1994)				X					Ortega <i>et al.</i> 2006
<i>Cetopsis orinoco</i> (Schultz, 1944)					X				Lasso <i>et al.</i> 2004
<i>Cetopsis othonops</i> (Eigenmann, 1912)	X	X				X		X	FMNH 56040 [CM 4830], 56041-42, 69814; AMNH 5318 [ex IU 12685 a-j]; BMNH 1924.3.3.81-82; CAS 64606-08 [ex IU 12684-86] (6, 18, 1); USNM 76972, 79213, 167853
<i>Cetopsis plumbea</i> Steindachner, 1882					X				Lasso <i>et al.</i> 2004
<i>Cetopsis umbrosa</i> Vari, Ferraris & de Pinna, 2005	X				X				Vari <i>et al.</i> 2005
<i>Denticetopsis macilenta</i> (Eigenmann, 1912)					X				Lasso <i>et al.</i> 2004, Vari <i>et al.</i> 2005
<i>Denticetopsis praecox</i> (Ferraris & Brown, 1991)				X					Mojica <i>et al.</i> 2005, Vari <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006

Taxa	DC	EN	CT	Amz	Ori	Mag-Cauc	Pac	Car	Collections/References
<i>Helogenes castaneus</i> (Dahl, 1960)	X				X				Holotype: whereabouts unknown
<i>Helogenes marmoratus</i> Günther, 1863				X	X				Lasso <i>et al.</i> 2004, Maldonado-Ocampo 2004, Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006, Maldonado-Ocampo <i>et al.</i> 2006b
<b>Aspredinidae</b>									
<i>Amaralia hypsiura</i> (Kner, 1855)				X					Ferraris 2007
<i>Bunocephalus aleuropsis</i> Cope, 1870				X					Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Bunocephalus amaurus</i> Eigenmann, 1912					X				Lasso <i>et al.</i> 2004
<i>Bunocephalus chamaizelus</i> Eigenmann, 1912				X					Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Bunocephalus colombianus</i> Eigenmann, 1912	X	X				X	X	X	FMNH 56038 [ex CM 4828]; CAS 35249 [ex IU 12687]
<i>Bunocephalus coracoideus</i> (Cope, 1874)				X					Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Bunocephalus knerii</i> Steindachner, 1882				X					Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Bunocephalus verrucosus</i> (Walbaun, 1792)				X					Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Dupouyichthys sapito</i> Schultz, 1944						X			Maldonado-Ocampo <i>et al.</i> 2005, Mojica <i>et al.</i> 2006b, Villa-Navarro <i>et al.</i> 2006
<i>Hoplomyzon papillatus</i> Stewart, 1985				X					Galvis <i>et al.</i> 2007b
<i>Hoplomyzon sexpapilostoma</i> Taphorn & Marrero, 1990					X				IAVH-P 5371, 7924 ,7925*
<i>Pseudobunocephalus amazonicus</i> (Mees, 1989)				X					Friel 2008
<i>Pseudobunocephalus bifidus</i> Eigenmann, 1942				X					Galvis <i>et al.</i> 2007b
<i>Pseudobunocephalus lundbergi</i> Friel, 2008	X				X				Friel 2008
<i>Xyliphius lepturus</i> Orcés, 1962					X			X	Lasso <i>et al.</i> 2004
<i>Xyliphius magdalenae</i> Eigenmann, 1912	X	X				X			FMNH 56039 [ex CM 4829]
<i>Xyliphius melanopterus</i> Orcés, 1962				X	X				Lasso <i>et al.</i> 2004, Ortega <i>et al.</i> 2006, Galvis <i>et al.</i> 2007b
<b>Trichomycteridae</b>									
<i>Eremophilus mutisii</i> Humboldt, 1805	X	X	NT			X			No types known
<i>Haemomaster venezuelae</i> Myers, 1927					X				Lasso <i>et al.</i> 2004, IAVH-P 6981-6982*

Taxa	DC	EN	CT	Amz	Ori	Mag-Cauc	Pac	Car	Collections/References
<i>Henonemus punctatus</i> (Boulenger, 1887)				X					Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006, Ortega <i>et al.</i> 2006
<i>Henonemus</i> sp.					X				Lasso <i>et al.</i> 2004
<i>Iuglanis amazonicus</i> (Steindachner, 1882)					X				Lasso <i>et al.</i> 2004
<i>Iuglanis guayaberensis</i> (Dahl, 1960)	X	X			X				Holotype: whereabouts unknown
<i>Iuglanis metae</i> (Eigenmann, 1917)	X	X			X				CAS 58138 [ex IU 13770]
<i>Malacoglanis gelatinosus</i> Myers & Weitzman, 1966	X	X		X					SU 50754, 50755
<i>Megalocentor echthrus</i> de Pinna & Britski, 1991				X	X				Lasso <i>et al.</i> 2004, Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Ochmacanthus alternus</i> Myers, 1927					X				Lasso <i>et al.</i> 2004, Maldonado-Ocampo <i>et al.</i> 2006b
<i>Ochmacanthus orinoco</i> Myers, 1927					X				Lasso <i>et al.</i> 2004
<i>Ochmacanthus reinhardtii</i> (Steindachner, 1882)				X					Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006, Ortega <i>et al.</i> 2006
<i>Paracanthopoma parva</i> Giltay, 1935					X				IAvH-P 2482, 3020*
<i>Paravandellia phaneronema</i> (Miles, 1943)	X	X				X			Holotype: lost. Paratypes: MCZ 35874; USNM 120141
<i>Plectrochilus machadoi</i> Miranda-Ribeiro, 1917				X					Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Plectrochilus wieneri</i> (Pellegrin, 1909)				X					Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Pseudostegophilus haemomyzon</i> (Myers, 1942)					X				Lasso <i>et al.</i> 2004
<i>Pseudostegophilus nemurus</i> (Günther, 1869)				X	X				Lasso <i>et al.</i> 2004, Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Rhizosomichthys totae</i> (Miles, 1942)	X	X	EX			X			ICNMHN 353; MCZ 35744; SU 37074
<i>Schultzichthys bondi</i> (Myers, 1942)					X				IAvH-P 875, 2629, 6998*
<i>Schultzichthys gracilis</i> Dahl, 1960	X	X			X				Holotype: whereabouts unknown
<i>Stegophilus septentrionalis</i> Myers, 1927					X				Lasso <i>et al.</i> 2004
<i>Trichomycterus banneai</i> (Eigenmann, 1912)	X	X				X			FMNH 56025 [ex CM 4815], 56026, 69815; CAS 58127 [ex IU 12677]; USNM 79234

Taxa	DC	EN	CT	Amz	Ori	Mag-Cauc	Pac	Car	Collections/References
<i>Trichomycterus bogotense</i> (Eigenmann, 1912)	X	X				X			FMNH 56030 [ex CM 4820]; 56031, 56044; AMNH 7107; CAS 58118 [ex IU 12679]; USNM 79232
<i>Trichomycterus cahiraensis</i> Ardila Rodríguez, 2008	X	X				X			CAR125, 97; CZUTIC2920; IAvH-P 11114; MBUCV-V35384
<i>Trichomycterus caliense</i> (Eigenmann, 1912)	X	X	NT			X	X		FMNH 56029 [ex CM 4819 not 6819]
<i>Trichomycterus chapmani</i> (Eigenmann, 1912)	X	X				X	X		FMNH 56027 [ex CM 4817], 50628, 69813; CAS 58128 [ex IU 12678]; USNM 79233
<i>Trichomycterus dorsostriatus</i> (Eigenmann, 1917)	X	X			X				FMNH 58096 [ex CM 7093], 58097; CAS 64579 [ex IU 13810]
<i>Trichomycterus gorgona</i> Fernández & Schaefer, 2005	X	X					X		ANSP 149946; ICNMHN 10019
<i>Trichomycterus knerii</i> Steindachner, 1882					X	X			Lasso <i>et al.</i> 2004, Maldonado-Ocampo 2004, Maldonado-Ocampo <i>et al.</i> 2005, 2006b
<i>Trichomycterus latidens</i> (Eigenmann, 1917)	X	X				X	X		CAS 76335 [ex IU 13801]
<i>Trichomycterus latistriatus</i> (Eigenmann, 1917)	X	X				X			FMNH 58449 [ex CM 7450]
<i>Trichomycterus migrans</i> (Dahl, 1960)	X	X			X				ICNMHN 399, 400
<i>Trichomycterus nigromaculatus</i> Boulenger, 1887	X	X				X	X	X	BMNH 1880.2.26.16-17
<i>Trichomycterus regani</i> (Eigenmann, 1917)	X	X					X		CAS 64591 [ex IU 13772]
<i>Trichomycterus retopinnis</i> Regan, 1903	X	X				X			BMNH 1899.8.21.12-13
<i>Trichomycterus romeroi</i> (Fowler, 1941)	X	X				X			ANSP 69331, 69332-35
<i>Trichomycterus ruitoquensis</i> Ardila Rodríguez, 2007	X	X				X			CAR 340, 37, 88, 89, 325, 331, 332; IAvH-P 4342, 4344; IMCN 4195
<i>Trichomycterus sandovali</i> Ardila Rodríguez, 2006	X	X				X			CAR 116; AS 115
<i>Trichomycterus santanderensis</i> Castro, 2007	X	X				X			CAC-CDMB 035; 051
<i>Trichomycterus spilosoma</i> (Regan, 1913)	X	X				X	X		BMNH 1910.7.11.106-107, 1910.7.11.108
<i>Trichomycterus stellatus</i> (Eigenmann, 1918)	X	X				X			FMNH 58101 [ex CM 7097], 58102; CAS 58121 [ex IU 13814]
<i>Trichomycterus stramineus</i> (Eigenmann, 1918)	X	X				X		X	FMNH 58105 [ex CM 7101], 58091-92; CAS 58148 [ex IU 13818], 58105 [ex IU 13804]
<i>Trichomycterus striatus</i> (Meek & Hildebrand, 1913)						X	X		Maldonado-Ocampo <i>et al.</i> 2005, Mojica <i>et al.</i> 2006b, Ortega-Lara <i>et al.</i> 2006a, Villa-Navarro <i>et al.</i> 2006

Taxa	DC	EN	CT	Amz	Ori	Mag-Cauc	Pac	Car	Collections/References
<i>Trichomycterus taenia</i> Kner, 1863						X	X		Maldonado-Ocampo <i>et al.</i> 2005, Mojica <i>et al.</i> 2006b, Ortega-Lara <i>et al.</i> 2006a, Villa-Navarro <i>et al.</i> 2006
<i>Trichomycterus transandianum</i> (Steindachner, 1915)	X	X			X	X			NMW 44475 (?)
<i>Trichomycterus uisae</i> Castellanos, 2008	X	X				X			Castellanos-Morales 2008
<i>Trichomycterus unicolor</i> (Regan, 1913)	X	X				X	X		BMNH 1913.10.1.42-43
<i>Trichomycterus venulosus</i> (Steindachner, 1915)	X	X			X				NMW 44476
<i>Tridens melanops</i> Eigenmann & Eigenmann, 1889				X					Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Tridensimilis brevis</i> (Eigenmann & Eigenmann, 1889)				X					Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Tridensimilis venezuelae</i> Schultz, 1944					X				Galvis <i>et al.</i> 2007a
<i>Vandellia beccarii</i> Di Caporiacco, 1935					X				Lasso <i>et al.</i> 2004
<i>Vandellia cirrhosa</i> Valenciennes, 1846				X					Bogotá-Gregory & Maldonado-Ocampo 2006
<b>Callichthyidae</b>									
<i>Brochis splendens</i> (Castelnau, 1855)				X					Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Callichthys callichthys</i> (Linnaeus, 1758)				X	X				Lasso <i>et al.</i> 2004, Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006, Ortega <i>et al.</i> 2006
<i>Callichthys fabricioi</i> Román-Valencia, Lehmann-A & Muñoz, 1999	X	X	B2c			X			ICNMHN 3842; IUQ 152, 305, 306, 307; MCP 21174-75; UV 89018, 91063, 93001-04, 98002, 98031
<i>Callichthys oibaensis</i> Ardila-Rodríguez, 2006	X	X				X			CAR 251, 250; IMCN 3310; CZUT-IC 1837; IAvH-P 5730; ICNMNH 13396; MBUCV-V 32798
<i>Corydoras aeneus</i> (Gill, 1858)					X				Lasso <i>et al.</i> 2004
<i>Corydoras agassizii</i> Steindachner, 1876				X					Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Corydoras ambiacus</i> Cope, 1872				X					Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Corydoras arcuatus</i> Elwin, 1939				X					Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Corydoras armatus</i> (Günther, 1868)				X					Galvis <i>et al.</i> 2007b
<i>Corydoras axelrodi</i> Rössel, 1962	X	X		X	X				SMF 5700, 5701-02
<i>Corydoras bondi</i> Gosline, 1940					X				Lasso <i>et al.</i> 2004

Taxa	DC	EN	CT	Amz	Ori	Mag-Cauc	Pac	Car	Collections/References
<i>Corydoras delphax</i> Nijssen & Isbrücker, 1983	X	X		X	X				NRM 26073 [1972222.3251]; NRM 26074; ZMA 119063
<i>Corydoras elegans</i> Steindachner, 1876				X					Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Corydoras esperanzae</i> Castro, 1987	X	X			X				UBJTL MM275
<i>Corydoras evelynae</i> Rösse, 1963				X					Galvis <i>et al.</i> 2007b
<i>Corydoras fowleri</i> Böhlke, 1950				X					Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Corydoras gomezi</i> Castro, 1986	X			X					UBJTL MM536
<i>Corydoras habrosus</i> Weitzman, 1960					X				Lasso <i>et al.</i> 2004
<i>Corydoras leucomelas</i> Eigenmann & Allen, 1942				X					Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Corydoras loxozonus</i> Nijssen & Isbrücker, 1983	X	X		X	X				ANSP 150170
<i>Corydoras melanistius</i> Regan, 1912					X				Maldonado-Ocampo 2004
<i>Corydoras melanotaenia</i> Regan, 1912	X	X		X	X				BMNH 1909.7.23.41; BMNH 1909.7.23.42
<i>Corydoras melini</i> Lönnberg & Rendahl, 1930				X	X				Lasso <i>et al.</i> 2004, Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Corydoras metae</i> Eigenmann, 1914	X	X		X	X				CAS 36447 [ex IU 13451]
<i>Corydoras napoensis</i> Nijssen & Isbrücker, 1986				X					Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Corydoras osteocarus</i> Böhlke, 1951					X				Galvis <i>et al.</i> 2007a
<i>Corydoras pastazensis</i> Weitzman, 1963				X					Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Corydoras rabauti</i> La Monte, 1941				X					Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Corydoras reticulatus</i> Fraser-Brunner, 1938				X					Galvis <i>et al.</i> 2007b
<i>Corydoras reynoldsi</i> Myers & Weitzman, 1960	X	X		X					SU 52349, 50702; ZMA 111424
<i>Corydoras semiaquilus</i> Weitzman, 1964				X					Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Corydoras septentrionalis</i> Gosline, 1940					X				Lasso <i>et al.</i> 2004
<i>Corydoras simulatus</i> Weitzman & Nijssen, 1970	X	X		X	X				USNM 197615, 197616, 197667; ZMA 110384
<i>Corydoras sodalis</i> Nijssen & Isbrücker, 1986				X					Bogotá-Gregory & Maldonado-Ocampo 2006



Taxa	DC	EN	CT	Amz	Ori	Mag-Cauc	Pac	Car	Collections/References
<i>Corydoras trilineatus</i> Cope, 1872				X					Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Corydoras zygatus</i> Eigenmann & Allen, 1942				X					Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Dianema longibarbis</i> Cope, 1872				X					Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Hoplosternum littorale</i> (Hancock, 1828)				X	X				Lasso <i>et al.</i> 2004, Maldonado-Ocampo 2004, Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006, Maldonado-Ocampo <i>et al.</i> 2006b, Ortega <i>et al.</i> 2006
<i>Hoplosternum magdalenae</i> Eigenmann, 1913	X	X				X		X	FMNH 56281 [ex CM 5081], 56282-83; CAS 76513 [ex IU 13970], 76516 [ex IU 12836]; MCP 17307 [ex CAS 76516]
<i>Hoplosternum punctatum</i> Meek & Hildebrand, 1916								X	Maldonado-Ocampo <i>et al.</i> 2006a
<i>Megalechis picta</i> (Müller & Troschel, 1848)				X	X				Lasso <i>et al.</i> 2004, Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006, Maldonado-Ocampo <i>et al.</i> 2006b
<i>Megalechis thoracata</i> (Valenciennes, 1840)				X	X				Lasso <i>et al.</i> 2004, Maldonado-Ocampo 2004, Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006, Maldonado-Ocampo <i>et al.</i> 2006b, Ortega <i>et al.</i> 2006
<b>Astroblepidae</b>									
<i>Astroblepus caquetae</i> Fowler, 1943	X	X		X					ANSP 70506, 70507-08
<i>Astroblepus cirratus</i> (Regan, 1912)	X	X				X	X		BMNH: 1912.3.2.7
<i>Astroblepus chapmani</i> (Eigenmann, 1912)	X	X				X	X	X	FMNH 56071 [ex CM 4863], 50672; CAS 64658 [ex IU 12708a-c]
<i>Astroblepus chotae</i> (Regan, 1904)						X	X	X	Maldonado-Ocampo <i>et al.</i> 2005, Mojica <i>et al.</i> 2006b, Ortega-Lara <i>et al.</i> 2006a, Villa-Navarro <i>et al.</i> 2006
<i>Astroblepus cyelopus</i> (Humboldt, 1805)						X	X	X	Maldonado-Ocampo <i>et al.</i> 2005
<i>Astroblepus frenatus</i> Eigenmann, 1918	X	X			X	X		X	FMNH 58384 [ex CM 7380]
<i>Astroblepus grixalvii</i> Humboldt, 1805	X	X				X	X	X	No types known
<i>Astroblepus guentheri</i> (Boulenger, 1887)	X	X				X	X		BMNH 1880.2.26.18-25
<i>Astroblepus heterodon</i> (Regan, 1908)	X	X					X		BMNH 1908.5.29.80
<i>Astroblepus homodon</i> (Regan, 1904)	X	X				X	X		BMNH 1902.5.15.27
<i>Astroblepus jurubidae</i> Fowler, 1944	X	X					X		ANSP 71431

Taxa	DC	EN	CT	Amz	Ori	Mag-Cauc	Pac	Car	Collections/References
<i>Astroblepus latidens</i> Eigenmann, 1918	X	X				X	X		FMNH 58366 [ex CM 7362], 58367-71, 69816; CAS 64659 [ex IU 13678], 64689 [ex IU 13679]
<i>Astroblepus longifilis</i> (Steindachner, 1882)						X	X		Maldonado-Ocampo <i>et al.</i> 2005, Mojica <i>et al.</i> 2006b, Ortega-Lara <i>et al.</i> 2006a, Villa-Navarro <i>et al.</i> 2006
<i>Astroblepus mariae</i> (Fowler, 1919)	X	X			X	X			ANSP 49368, 49369-84
<i>Astroblepus marmoratus</i> (Regan, 1904)	X	X				X			BMNH 1899.8.21.10-11
<i>Astroblepus micrescens</i> Eigenmann, 1918	X	X			X	X			FMNH 58376 [ex CM 7372], 58377 [ex CM 7373]; CAS 64692 [ex IU 13686]
<i>Astroblepus nicefori</i> Myers, 1932	X	X			X	X	X		SU 24796; USNM 94178
<i>Astroblepus rengifo</i> Dahl, 1960	X	X						X	Holotype: whereabouts unknown
<i>Astroblepus retropinnus</i> (Regan, 1908)	X	X					X		BMNH 1908.5.29.81-82; IMCN 295
<i>Astroblepus rosei</i> Eigenmann, 1922						X	X		Maldonado-Ocampo <i>et al.</i> 2005
<i>Astroblepus santanderensis</i> Eigenmann, 1918	X	X				X			FMNH 58433 [ex CM 7430], 58372-75, 58427-28, 58431-32; CAS 47001 [ex IU 13741], 47002 [ex IU 13682], 60163 [ex IU 13740], 64696 [ex IU 13683], 64697 [ex IU 13684], 64698 [ex IU 13685]
<i>Astroblepus trifasciatus</i> (Eigenmann, 1912)	X	X				X	X	X	FMNH 56076 [ex CM 4868], 56077-78; AMNH 18667 [ex IU 12711]; CAS 64716-17 [ex IU 12711-12], ?64718; USNM 79198
<i>Astroblepus unifasciatus</i> (Eigenmann, 1912)	X	X				X	X	X	FMNH 56079 [ex CM 4871], 56080, 69817; CAS 64718 [ex IU 12713]; USNM 79199
<i>Astroblepus ventralis</i> (Eigenmann, 1912)	X	X				X	X		FMNH 56074 [ex CM 4866], 56073, 56075; AMNH 18666 [ex IU 12710] (1); CAS 47013 [ex CM 4865, IU 12709], 47014 [ex CM 4867a-g, IU 12710a-g]
<b>Loricariidae</b>									
<b>Hypoptopomatinae</b>									
<i>Acestridium colombiensis</i> Retzer 2005	X	X			X				FMNH 115255, 105169; INHS 99093; USNM 381314
<i>Acestridium martini</i> Retzer, Nico & Provenzano, 1999					X				Lasso <i>et al.</i> 2004
<i>Apistoloricaria laani</i> Nijssen & Isbrücker, 1988	X	X		X	X				ANSP 131483, 131484, 157750, 157940-41; ZMA 119444
<i>Hypoptopoma gulare</i> Cope, 1878				X					Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Hypoptopoma psilogaster</i> Fowler, 1915				X					Ferraris Jr. 2007

Taxa	DC	EN	CT	Amz	Ori	Mag-Cauc	Pac	Car	Collections/References
<i>Hypoptopoma steindachneri</i> Boulenger, 1895					X				Lasso <i>et al.</i> 2004
<i>Hypoptopoma thoracatum</i> Günther, 1868				X					Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Nannoptopoma spectabile</i> (Eigenmann, 1914)	X	X		X	X				AS 33806 [ex IU 13253a]; CAS 33807 [ex IU 13253]
<i>Nannoptopoma sternoptichum</i> Scheafer, 1996				X					Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Otocinclus batmani</i> Lehmann, 2006	X			X					ICNMHN 6721, 6722; ANSP 178616; MCP 28172, 34087; MHNUC 474
<i>Otocinclus huaorani</i> Schaefer, 1997				X	X				Lasso <i>et al.</i> 2004, Galvis <i>et al.</i> 2007b
<i>Otocinclus macrospilus</i> Eigenmann & Allen, 1842				X					Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006, Ortega <i>et al.</i> 2006
<i>Otocinclus vestitus</i> Cope, 1872				X					Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Otocinclus vittatus</i> Regan, 1904					X				Lasso <i>et al.</i> 2004
<i>Oxyropsis acutirostra</i> Miranda Ribeiro, 1951				X	X				Lasso <i>et al.</i> 2004, Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Oxyropsis carinata</i> (Steindachner, 1879)				X					Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Oxyropsis wrightiana</i> Eigenmann & Eigenmann, 1889				X					Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Parotocinclus eppleyi</i> Schaefer & Provenzano, 1993					X				Lasso <i>et al.</i> 2004
<b>Loricariinae</b>									
<i>Apistoloricaria listrorhinos</i> Nijssen & Isbrücker, 1988	X	X		X	X				ANSP 131482
<i>Crossoloricaria cephalaspis</i> Isbrücker, 1979	X	X			X				BMNH 1947.7.1.228
<i>Crossoloricaria rhami</i> Isbrücker & Nijssen, 1983				X					Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Crossoloricaria variegata</i> (Steindachner, 1879)						X	X	X	Maldonado-Ocampo <i>et al.</i> 2005, Mojica <i>et al.</i> 2006b, Ortega-Lara <i>et al.</i> 2006a, Villa-Navarro <i>et al.</i> 2006
<i>Dasylicaria capetensis</i> (Meek & Hildebrand, 1916)								X	Maldonado-Ocampo <i>et al.</i> 2006, Mojica <i>et al.</i> 2004
<i>Dasylicaria filamentosa</i> (Steindachner, 1878)	X					X		X	NMW 44874, 44870-73, 44874:2, 44875-77; ZMUC 86
<i>Dasylicaria latutura</i> (Eigenmann & Vance, 1912)	X						X	X	FMNH 55115; USNM 79219
<i>Dasylicaria seminuda</i> (Eigenmann & Vance, 1912)	X	X				X			FMNH 55113, 55114, 55116; IU 12694
<i>Dentectus barbarmatus</i> Martín Salazar, Isbrücker & Nijssen, 1982					X				Lasso <i>et al.</i> 2004, Maldonado-Ocampo 2004

Taxa	DC	EN	CT	Amz	Ori	Mag-Cauc	Pac	Car	Collections/References
<i>Farlowella acus</i> (Kner, 1853)					X				Lasso <i>et al.</i> 2004
<i>Farlowella amazona</i> (Günther, 1864)				X					Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Farlowella colombiensis</i> Retzer & Page, 1997	X	X		X	X				CAS 123733, 169739 [ex CAS 123733]; ANSP 88080; INHS 32939 [ex ASNP 88080]
<i>Farlowella gracilis</i> Regan, 1904	X	X		X	X				BMNH 1902.5.29.180
<i>Farlowella mariaelenae</i> Martín Salazar, 1964					X				Lasso <i>et al.</i> 2004, Galvis <i>et al.</i> 2007a
<i>Farlowella nattereri</i> Steindachner, 1910				X					Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Farlowella oxyrrhyncha</i> (Kner, 1853)				X	X				Lasso <i>et al.</i> 2004, Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Farlowella platorynchus</i> Retzer & Page, 1997				X					Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Farlowella smithi</i> Fowler, 1913				X					Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Farlowella taphorni</i> Retzer & Page, 1997								X	IAvH-P 9800, 9801
<i>Farlowella vittata</i> Myers, 1942					X				Lasso <i>et al.</i> 2004
<i>Hemiodontichthys acipenserinus</i> (Kner, 1853)				X					Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Lamontichthys llanero</i> Taphorn & Lilyestrom, 1984					X				Lasso <i>et al.</i> 2004
<i>Lamontichthys maracaibero</i> Taphorn & Lilyestrom, 1984								X	Galvis <i>et al.</i> 2007a
<i>Limatulichthys griseus</i> (Eigenmann, 1909)				X	X				Lasso <i>et al.</i> 2004, Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Loricaria cataphracta</i> Linnaeus, 1758				X	X				Lasso <i>et al.</i> 2004, Galvis <i>et al.</i> 2007a
<i>Loricaria nickeriensis</i> Isbrücker, 1979				X					Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Loricaria simillima</i> Regan, 1904					X				Lasso <i>et al.</i> 2004
<i>Loricariichthys brunneus</i> (Hancock, 1828)					X				Lasso <i>et al.</i> 2004
<i>Loricariichthys cf. maculatus</i> (Bloch, 1794)					X				IAvH-P 3253
<i>Planiloricaria cryptodon</i> (Isbrücker, 1971)				X					Ortega <i>et al.</i> 2006
<i>Pseudohemiodon</i> sp.					X				Lasso <i>et al.</i> 2004
<i>Pterosturisoma microps</i> (Eigenmann & Allen, 1942)				X					Ortega <i>et al.</i> 2006
<i>Rineloricaria castroi</i> Isbrücker & Nijssen, 1984				X					Bogotá-Gregory & Maldonado-Ocampo 2006

Taxa	DC	EN	CT	Amz	Ori	Mag-Cauc	Pac	Car	Collections/References
<i>Rineloricaria eigenmanni</i> (Pellegrin, 1908)					X				Galvis <i>et al.</i> 2007a
<i>Rineloricaria formosa</i> Isbrücker & Nijssen, 1979	X			X	X				FMNH 83713, 83714-15; IRSNB 608-609; MZUSP [ex IRSNB 608, MZUSP ex IRSNB 609]; ZMA 114922-23, 115182, 115196-97; ZSM 25821
<i>Rineloricaria juabata</i> (Boulenger, 1902)							X	X	Maldonado-Ocampo <i>et al.</i> 2006a, Mojica <i>et al.</i> 2004, Ortega-Lara <i>et al.</i> 2006b
<i>Rineloricaria lanceolata</i> (Günther, 1868)				X					Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006, Ortega <i>et al.</i> 2006
<i>Rineloricaria magdalenae</i> (Steindachner, 1879)	X					X	X	X	NMW 45080; NMW 45800
<i>Rineloricaria nigricauda</i> (Regan, 1904)				X					Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Rineloricaria sneiderni</i> (Fowler, 1944)	X	X					X		ANSP 71433, 71434
<i>Spatuloricaria atratoensis</i> Schultz, 1944	X	X						X	USNM 93810
<i>Spatuloricaria caquetae</i> (Fowler, 1943)	X	X		X					ANSP 70526, 70527
<i>Spatuloricaria curvispina</i> (Dahl, 1942)	X	X				X			ZMUL Holotype status unknown
<i>Spatuloricaria euacanthagenys</i> Isbrücker, 1979	X	X		X					ANSP 71718
<i>Spatuloricaria gymnogaster</i> (Eigenmann & Vance, 1912)	X	X				X		X	CAS 28773 [ex IU 12691], 28774-75 [ex IU 12692-93]; FMNH 55138; USNM 79218 (2)
<i>Spatuloricaria fimbriata</i> (Eigenmann & Vance, 1912)	X					X		X	FMNH 55117 [ex CM 3808], 55118; CAS 77173 [ex IU 12714]
<i>Sturisoma aureum</i> (Steindachner, 1900)	X	X				X	X	X	ZSM [old collection] destroyed in WWII
<i>Sturisoma panamense</i> (Eigenmann & Eigenmann, 1889)						X	X	X	Maldonado-Ocampo <i>et al.</i> 2005, 2006a, Mojica <i>et al.</i> 2006b, Villa-Navarro <i>et al.</i> 2006, Ortega-Lara <i>et al.</i> 2006ab
<i>Sturisoma tenuirostre</i> (Steindachner, 1910)					X				Lasso <i>et al.</i> 2004
<i>Sturisomatichthys caquetae</i> (Fowler, 1945)	X	X		X					ANSP 71719
<i>Sturisomatichthys leightoni</i> (Regan, 1912)	X	X				X	X		BMNH 1909.7.23.45, BMNH 1909.7.23.46-47
<i>Sturisomatichthys tamanae</i> (Regan, 1912)	X	X				X	X	X	BMNH 1910.7.11.133, BMNH 1910.7.11.134
<b>Hypostominae</b>									
<i>Aphanotorulus ammophilus</i> Armbruster & Page, 1996					X				IAvH-P 3836-3839*

Taxa	DC	EN	CT	Amz	Ori	Mag-Cauc	Pac	Car	Collections/References
<i>Aphanotorulus unicolor</i> (Steindachner, 1908)				X					Ortega <i>et al.</i> 2006
<i>Hypostomus argus</i> (Fowler, 1943)	X	X		X	X				ANSP 70510
<i>Hypostomus niceforoi</i> (Fowler, 1943)	X	X		X	X				ANSP 70511
<i>Hypostomus carinatus</i> (Steindachner, 1881)				X					IAvH-P 3934*
<i>Hypostomus hondae</i> (Regan, 1912)	X		C1			X	X	X	BMNH 1909.7.23.43-44
<i>Hypostomus winzi</i> (Fowler, 1945)	X	X			X				ANSP 71623
<i>Hypostomus oculus</i> (Fowler, 1943)	X			X					ANSP 70518, 70519-20
<i>Hypostomus plecostomoides</i> (Eigenmann, 1922)	X			X	X				CAS 82501 [ex IU 15043] (lost in mail in 1959)
<i>Hypostomus plecostomus</i> (Linnaeus, 1758)					X				Lasso <i>et al.</i> 2004
<i>Hypostomus pyrineusi</i> (Miranda Ribeiro, 1920)				X	X				Bogotá-Gregory & Maldonado-Ocampo 2006, IAvH-P 1717*, 1722*
<i>Hypostomus sculpodon</i> Armbruster, 2003					X				Lasso <i>et al.</i> 2004
<i>Hypostomus varimaculosus</i> (Fowler, 1945)	X			X					ANSP 71707
<i>Hypostomus watwata</i> Hancock, 1828					X				Lasso <i>et al.</i> 2004
<i>Pterygoplichthys undecimalis</i> (Steindachner, 1878)	X	X			X	X			NMW 47224, 47220-22
<i>Pseudorinelepis genibarbis</i> (Valenciennes, 1840)					X				Galvis <i>et al.</i> 2007a
<i>Pterygoplichthys gibbiceps</i> (Kner, 1854)					X				Lasso <i>et al.</i> 2004, Maldonado-Ocampo 2004, Maldonado-Ocampo <i>et al.</i> 2006b
<i>Pterygoplichthys lituratus</i> (Kner, 1854)				X					Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Pterygoplichthys multiradiatus</i> (Hancock, 1828)					X				Lasso <i>et al.</i> 2004
<i>Pterygoplichthys pardalis</i> (Castelnau, 1855)				X					Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Pterygoplichthys punctatus</i> (Kner, 1854)				X					Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Pterygoplichthys weberi</i> Armbruster & Page, 2006	X			X					ICNMHN 13455; FMNH 96959, 101378; MSU 2736.2; USNM 177204
<i>Squaliforma emarginata</i> (Valenciennes, 1840)				X	X				Lasso <i>et al.</i> 2004, Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Squaliforma squalina</i> (Jardine, 1841)					X				Lasso <i>et al.</i> 2004

Taxa	DC	EN	CT	Amz	Ori	Mag-Cauc	Pac	Car	Collections/References
<i>Squaliforma tenuicauda</i> (Steindachner, 1878)	X	X				X			MSNG 8856; NMW 42596, 44263-66, 44268), 44294; ZMUC 85
<i>Squaliforma villarsi</i> (Lütken, 1874)					X				Lasso <i>et al.</i> 2004
<b>Ancistrinae</b>									
<i>Acanthicus hystrix</i> Spix & Agassiz, 1829				X	X				Lasso <i>et al.</i> 2004, Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Ancistrus brevifilis</i> Eigenmann, 1920				X	X				Lasso <i>et al.</i> 2004, Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Ancistrus caucanus</i> Fowler, 1943	X	X				X			ANSP 70516
<i>Ancistrus centrolepis</i> Regan, 1913	X	X				X	X	X	BMNH 1913.10.1.58, 1910.4.11.122
<i>Ancistrus eustictus</i> (Fowler, 1945)	X	X				X	X		ANSP 71710
<i>Ancistrus lineolatus</i> Fowler, 1943	X	X		X					ANSP 70517
<i>Ancistrus gymnorhynchus</i> Kner, 1854					X				Lasso <i>et al.</i> 2004
<i>Ancistrus hoplogenus</i> (Günther, 1864)					X				Lasso <i>et al.</i> 2004
<i>Ancistrus latifrons</i> (Günther, 1869)					X				Lasso <i>et al.</i> 2004
<i>Ancistrus macrophthalmus</i> (Pellegri, 1912)					X				Lasso <i>et al.</i> 2004
<i>Ancistrus martini</i> Schultz, 1944								X	IAvH-P 3088*, 9816*
<i>Ancistrus triradiatus</i> Eigenmann, 1918	X			X	X			X	CAS 60164 [ex IU 13935a], 60165 [ex IU 13935b-e]; ?FMNH 58558
<i>Baryancistrus beggini</i> Lujan, Arce & Armbruster, 2009					X				Lujan <i>et al.</i> 2003
<i>Chaetostoma aburrensis</i> (Posada, 1909)	X	X				X			No types known
<i>Chaetostoma alternifasciatum</i> Fowler, 1945	X	X		X					ANSP 71711, 71712-15
<i>Chaetostoma anale</i> (Fowler, 1943)	X	X		X					ANSP 70525
<i>Chaetostoma brevilabiatum</i> Dahl, 1942	X	X				X			ZMUL
<i>Chaetostoma dorsale</i> Eigenmann, 1922					X				Lasso <i>et al.</i> 2004
<i>Chaetostoma dupouii</i> Fernández-Yépez, 1945					X				IAvH-P 3369*
<i>Chaetostoma fischeri</i> Steindachner, 1879						X	X	X	Maldonado-Ocampo <i>et al.</i> 2005, 2006a, Mojica <i>et al.</i> 2006b, Ortega-Lara <i>et al.</i> 2006ab, Villa-Navarro <i>et al.</i> 2006

Taxa	DC	EN	CT	Amz	Ori	Mag-Cauc	Pac	Car	Collections/References
<i>Chaetostoma lepturum</i> Regan, 1912	X	X					X		BMNH 1910.7.11.116–118
<i>Chaetostoma leucomelas</i> Eigenmann, 1918	X	X				X	X	X	CAS 60167 [ex IU 13652], 60168 [ex IU 13652]; FMNH 58344
<i>Chaetostoma marginatum</i> Regan, 1904						X	X		Maldonado-Ocampo <i>et al.</i> 2005
<i>Chaetostoma milesi</i> Fowler, 1941	X				X	X			ANSP 69330
<i>Chaetostoma niveum</i> Fowler, 1944	X	X					X		ANSP 71432
<i>Chaetostoma nudirostre</i> Lütken, 1874					X				IAvH-P 1984*
<i>Chaetostoma palmeri</i> Regan, 1912	X	X					X		BMNH 1910.7.11.120–121
<i>Chaetostoma patiae</i> Fowler, 1945	X	X					X		ANSP 71716, 71717
<i>Chaetostoma paucispinis</i> Regan, 1912	X	X					X		BMNH 1910.7.11.119
<i>Chaetostoma tachiraense</i> Schultz, 1944								X	Galvis <i>et al.</i> 1997
<i>Chaetostoma thomsoni</i> Regan, 1904	X	X				X			BMNH 1902.5.15.28-30
<i>Chaetostoma sovichthys</i> Schultz, 1944								X	Maldonado-Ocampo <i>et al.</i> 2005
<i>Chaetostoma vagum</i> Fowler, 1943	X	X		X					ANSP 70521, 70522, 70523-24
<i>Cordylancistrus daguae</i> (Eigenmann, 1912)	X	X				X	X		FMNH 56052 [ex CM 4842], 56053-54; CAS 56745 [ex IU 12698], 74161 [ex IU 12699]
<i>Cordylancistrus platyrhynchus</i> (Fowler, 1943)	X	X		X					ANSP 70512, 70513-15
<i>Dekeyseria amazonica</i> Rapp Py-Daniel, 1985				X					Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Dekeyseria pulchra</i> (Steindachner, 1915)					X				Lasso <i>et al.</i> 2004, Maldonado-Ocampo 2004, Maldonado-Ocampo <i>et al.</i> 2006b
<i>Dekeyseria scaphyrhyncha</i> (Kner, 1854)					X				Lasso <i>et al.</i> 2004
<i>Dolichancistrus atratoensis</i> (Dahl, 1960)	X	X						X	ICNMHN 51, 46 (now apparently 48)
<i>Dolichancistrus carnegiei</i> (Eigenmann, 1916)	X	X				X			FMNH 58350 [ex CM 7346], 58351; CAS 77344 [ex IU 13661], 77345 [ex IU 13662]
<i>Dolichancistrus fuesslii</i> (Steindachner, 1911)	X	X			X				NMW 48026
<i>Dolichancistrus pediculatus</i> (Eigenmann, 1918)	X	X			X				FMNH 58352 [ex CM 7348], 58564-65; CAS 58788 [ex IU 13663-64], 58793 [ex IU 13927], 58789 [ex IU 13928], 58794 [ex IU 12932], 58820 [ex IU 13920]



Taxa	DC	EN	CT	Amz	Ori	Mag-Cauc	Pac	Car	Collections/References
<i>Dolichancistrus setosus</i> (Boulenger, 1887)	X	X			X?				BMNH 1880.2.26.9-10
<i>Hemiancistrus annectens</i> (Regan, 1904)							X		Mojica <i>et al.</i> 2004, Ortega-Lara <i>et al.</i> 2006b
<i>Hemiancistrus guahiborum</i> Werneke, Armbruster, Lujan & Taphorn, 2005					X				Lasso <i>et al.</i> 2004, Maldonado-Ocampo <i>et al.</i> 2006b
<i>Hemiancistrus holostictus</i> Regan, 1913	X	X					X	X	BMNH 1913.10.1.57
<i>Hemiancistrus wilsoni</i> Eigenmann, 1918	X	X					X	X	FMNH 58550 [ex CM 7570], 58551
<i>Hypancistrus contradens</i> Armbruster, Lujan & Taphorn, 2007					X				IAvH-P 5676*
<i>Hypancistrus lunaorum</i> Armbruster, Lujan & Taphorn, 2007					X				IAvH-P 7044*
<i>Lasiancistrus caucanus</i> Eigenmann, 1912	X					X	X	X	FMNH 56034 [ex CM 4824], 56035; CAS 77327 [ex IU 12683]
<i>Lasiancistrus guacharote</i> (Valenciennes, 1840)								X	Armbruster 2005
<i>Lasiancistrus heteracanthus</i> (Günther, 1869)				X					Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Lasiancistrus schomburgkii</i> (Günther, 1864)				X					Armbruster 2005
<i>Lasiancistrus tentaculatus</i> Armbruster, 2005					X				IAvH-P 5100-5105*
<i>Leptoancistrus cordobensis</i> Dahl, 1964	X	X				X		X	Holotype: whereabouts unknown; IMCN 233*, 250*
<i>Leporacanthicus galaxias</i> Isbrücker & Nijssen, 1989					X				Lasso <i>et al.</i> 2004, Maldonado-Ocampo 2004, Maldonado-Ocampo <i>et al.</i> 2006b
<i>Panaqolus albomaculatus</i> (Kanazawa, 1958)				X					Galvis <i>et al.</i> 2007b
<i>Panaque cochliodon</i> (Steindachner, 1879)	X	X				X			NMW 47297-98
<i>Panaque maccus</i> Schaefer & Stewart, 1993					X				Lasso <i>et al.</i> 2004
<i>Panaque nigrolineatus</i> (Peters, 1877)					X				Lasso <i>et al.</i> 2004
<i>Parancistrus</i> sp.					X				Galvis <i>et al.</i> 2007a
<i>Peckoltia bachi</i> (Boulenger, 1898)				X					Armbruster 2008
<i>Peckoltia braueri</i> (Eigenmann, 1912)				X					Armbruster 2008
<i>Peckoltia brevis</i> (La Monte, 1935)				X					Armbruster 2008

Taxa	DC	EN	CT	Amz	Ori	Mag-Cauc	Pac	Car	Collections/References
<i>Peckoltia lineola</i> Armbruster, 2008					X				Armbruster 2008
<i>Peckoltia sabaji</i> Armbruster, 2003					X				Armbruster 2008
<i>Peckoltia vittata</i> (Steindachner, 1881)					X				Armbruster 2008
<i>Pseudacanthicus spinosus</i> (Castelnau, 1855)				X					Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Pseudancistrus orinoco</i> (Isbrücker, Nijssen & Cala, 1988)	X				X				ICNMHN 1200, 1201; ZMA 119882; ZMUL 972/3482
<i>Pseudolithoxus dumus</i> (Armbruster & Provenzano, 2000)					X				Maldonado-Ocampo <i>et al.</i> 2006b
<i>Pseudolithoxus tigris</i> (Armbruster & Provenzano, 2000)					X				Maldonado-Ocampo <i>et al.</i> 2006b
<b>Pseudopimelodidae</b>									
<i>Batrochoglanis acanthochiroides</i> (Günther, 1942)							X		Mojica <i>et al.</i> 2004, Ortega-Lara <i>et al.</i> 2006b
<i>Batrochoglanis raninus</i> (Valenciennes, 1840)				X	X				Lasso <i>et al.</i> 2004, Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Batrochoglanis transmontanus</i> (Regan, 1913)	X					X	X	X	BMNH 1910.7.11.105
<i>Batrochoglanis villosus</i> (Eigenmann, 1912)				X					Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Cephalosilurus apurensis</i> (Mees, 1978)					X				Lasso <i>et al.</i> 2004
<i>Cruciglanis pacifici</i> Ortega-Lara & Lehmann, 2006	X	X					X		IMCN 2359; IAvH-P 7505
<i>Microglanis iheringi</i> Gomes, 1946					X				Lasso <i>et al.</i> 2004
<i>Microglanis poecilus</i> Eigenmann, 1912				X	X				Lasso <i>et al.</i> 2004, Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Microglanis secundus</i> Mees, 1974					X				Lasso <i>et al.</i> 2004
<i>Pseudopimelodus bufonius</i> (Valenciennes, 1840)				X	X	X		X	Lasso <i>et al.</i> 2004, Maldonado-Ocampo <i>et al.</i> 2005
<i>Pseudopimelodus schultzi</i> (Dahl, 1955)	X	X			X?	X		X	Holotype: No types known
<b>Heptapteridae</b>									
<i>Brachyrhamdia meesi</i> Sands & Black, 1985				X					Galvis <i>et al.</i> 2007b
<i>Cetopsorhamdia boquillae</i> Eigenmann & Fisher, 1922	X	X				X			FMNH 55212 [ex CM 3923], 55213 [ex CM 3924]; CAS 63607 [ex IU 15004]

Taxa	DC	EN	CT	Amz	Ori	Mag-Cauc	Pac	Car	Collections/References
<i>Cetopsorhamdia nasus</i> Eigenmann & Fisher, 1916	X	X				X			FMNH 58126 [ex CM 7124]
<i>Cetopsorhamdia molinae</i> Miles, 1943	X					X			ICNMHN: whereabouts unknown, probably lost
<i>Cetopsorhamdia orinoco</i> Schultz, 1944					X				Lasso <i>et al.</i> 2004
<i>Cetopsorhamdia phantasia</i> Stewart, 1985				X					Ortega <i>et al.</i> 2006
<i>Cetopsorhamdia picklei</i> Schultz, 1944			B2c		X			X	IAvH-P 3087*, 7969*
<i>Chasmocranus rosae</i> Eigenmann, 1919	X	X			X				FMNH 55140 [ex CM 3841], 55141 [?CM 3842]; CAS 75751 [ex IU 15019]
<i>Gladioglanis conquistador</i> Lundberg, Bornbusch & Mago- Leccia, 1991				X					Galvis <i>et al.</i> 2007b
<i>Goeldiella eques</i> (Müller & Troschel, 1848)				X	X				Lasso <i>et al.</i> 2004, Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Heptapterus mustelinus</i> (Valenciennes, 1835)				X					Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Imparales panamensis</i> Busing, 1970								X	Maldonado-Ocampo <i>et al.</i> 2006a
<i>Imparfinis microps</i> Eigenmann & Fisher, 1916	X	X			X				FMNH 57793 [ex CM 6776 not 8778]
<i>Imparfinis nemacheir</i> (Eigenmann & Fisher, 1916)	X					X	X	X	FMNH 58127 [ex CM 7125]
<i>Imparfinis pristos</i> Mees & Cala, 1989	X				X				ICNMHN 1401, 1402; RMNH 30544
<i>Imparfinis pseudonemacheir</i> Mees & Cala, 1989					X				Lasso <i>et al.</i> 2004
<i>Imparfinis spurrellii</i> (Regan, 1913)	X	X					X		BMNH 1913.10.1.41
<i>Imparfinis stictonotus</i> (Fowler, 1940)				X					Galvis <i>et al.</i> 2007b
<i>Leptorhamdia marmorata</i> Myers, 1928					X				Lasso <i>et al.</i> 2004
<i>Mastiglanis asopos</i> Bockmann, 1994				X					Galvis <i>et al.</i> 2007b
<i>Myoglanis koepcke</i> Chang, 1999				X					Galvis <i>et al.</i> 2007b
<i>Nemuroglanis mariai</i> (Schultz, 1944)	X	X			X				USNM 121251
<i>Phenacorhamdia macarenensis</i> Dahl, 1961	X	X			X				Holotype: whereabouts unknown, probably lost
<i>Phenacorhamdia nigrolineata</i> Zarske 1998				X					IAvH-P 10948*
<i>Pimelodella altipinnis</i> (Steindachner, 1864)				X					Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006

Taxa	DC	EN	CT	Amz	Ori	Mag-Cauc	Pac	Car	Collections/References
<i>Pimelodella chagresi</i> (Steindachner, 1876)						X	X	X	Maldonado-Ocampo <i>et al.</i> 2005, Mojica <i>et al.</i> 2006b, Ortega-Lara <i>et al.</i> 2006a, Villa-Navarro <i>et al.</i> 2006
<i>Pimelodella conquetaensis</i> Ahl, 1925	X	X		X					ZMB 32030
<i>Pimelodella cristata</i> (Müller & Troschel, 1848)				X	X				Lasso <i>et al.</i> 2004, Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Pimelodella eutaenia</i> Regan, 1913	X	X				X	X	X	BMNH 1913.10.1.37–40
<i>Pimelodella figueroai</i> Dahl, 1961	X	X			X				Holotype: Probably lost
<i>Pimelodella geryi</i> Hoedeman, 1961				X					Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Pimelodella gracilis</i> (Valenciennes, 1840)				X	X				Lasso <i>et al.</i> 2004, Bogotá-Gregory & Maldonado-Ocampo 2006, Ortega <i>et al.</i> 2006
<i>Pimelodella grisea</i> (Regan, 1903)							X		Mojica <i>et al.</i> 2004, Ortega-Lara <i>et al.</i> 2006b
<i>Pimelodella hasemani</i> Eigenmann, 1917				X					Ortega <i>et al.</i> 2006
<i>Pimelodella linami</i> Schultz, 1944					X				Galvis <i>et al.</i> 2007a
<i>Pimelodella macrocephala</i> (Miles, 1943)	X	X	NT			X			Holotype, ICNMHN whereabouts unknown, probably lost; Paratypes: MCZ 35876; USNM 120157
<i>Pimelodella metae</i> Eigenmann, 1917	X	X			X				FMNH 58441 [ex CM 7441 or 7141]; 58442; CAS [ex IU 13768]
<i>Pimelodella modestus</i> (Günther, 1860)							X		Mojica <i>et al.</i> 2004, Ortega-Lara <i>et al.</i> 2006b
<i>Pimelodella pallida</i> Dahl, 1961	X	X			X				Holotype: Probably lost
<i>Pimelodella reyesi</i> Dahl, 1964	X	X						X	Holotype: whereabouts unknown
<i>Rhamdia humilis</i> (Günther, 1864)				X					Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Rhamdia laukidi</i> Bleeker, 1858					X				Lasso <i>et al.</i> 2004
<i>Rhamdia quelen</i> (Quoy & Gaimard, 1824)				X	X	X	X	X	Lasso <i>et al.</i> 2004, Mojica <i>et al.</i> 2004, Maldonado-Ocampo <i>et al.</i> 2005, Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006, Maldonado-Ocampo <i>et al.</i> 2006a
<i>Rhamdella</i> sp.				X					Galvis <i>et al.</i> 2007b
<b>Pimelodidae</b>									
<i>Aguarunichthys inpai</i> Zuanon, Rapp Py-Daniel & Jégu, 1993				X					Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Bergiara westermanni</i> (Lütken, 1874)				X					Bogotá-Gregory & Maldonado-Ocampo 2006

Taxa	DC	EN	CT	Amz	Ori	Mag-Cauc	Pac	Car	Collections/References
<i>Brachyplatystoma capapretum</i> Lundberg & Akama, 2005				X					Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Brachyplatystoma filamentosum</i> (Lichtenstein, 1819)			A1d, A2d	X	X				Lasso <i>et al.</i> 2004, Maldonado-Ocampo 2004, Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Brachyplatystoma juruense</i> (Boulenger, 1898)			A1d, A2d	X	X				Lasso <i>et al.</i> 2004, Maldonado-Ocampo 2004, Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Brachyplatystoma platynema</i> Boulenger, 1898			A1d, A2d	X	X				Lasso <i>et al.</i> 2004, Maldonado-Ocampo 2004, Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Brachyplatystoma rousseauxii</i> (Castelnau, 1855)				X	X				Lasso <i>et al.</i> 2004, Maldonado-Ocampo 2004, Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Brachyplatystoma tigrinum</i> (Bristki, 1981)				X					Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Brachyplatystoma vaillantii</i> (Valenciennes, 1840)			A1d, A2d	X	X				Lasso <i>et al.</i> 2004, Maldonado-Ocampo 2004, Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Calophysus macropterus</i> (Lichtenstein, 1819)				X	X				Lasso <i>et al.</i> 2004, Maldonado-Ocampo 2004, Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Cheirocerus abuelo</i> (Schultz, 1944)								X	Galvis <i>et al.</i> 1997
<i>Cheirocerus eques</i> Eigenmann, 1917				X					Ortega <i>et al.</i> 2006
<i>Cheirocerus goeldii</i> (Steindachner, 1908)				X					Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Duopalatinus peruanus</i> Eigenmann & Allen, 1942					X				Lasso <i>et al.</i> 2004
<i>Hemisorubim platyrhynchus</i> (Valenciennes, 1840)				X	X				Lasso <i>et al.</i> 2004, Maldonado-Ocampo 2004, Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Hypophthalmus edentatus</i> Spix & Agassiz, 1829				X	X				Lasso <i>et al.</i> 2004, Maldonado-Ocampo 2004, Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Hypophthalmus fimbriatus</i> Kner, 1858				X					Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Hypophthalmus marginatus</i> Valenciennes, 1840				X	X				Lasso <i>et al.</i> 2004, Maldonado-Ocampo 2004, Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Hypophthalmus oremaculatus</i> Nani & Fuster, 1947				X					Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Leiarius marmoratus</i> (Gill, 1870)				X	X				Lasso <i>et al.</i> 2004, Maldonado-Ocampo 2004, Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006, Maldonado-Ocampo <i>et al.</i> 2006b, Ortega <i>et al.</i> 2006
<i>Leiarius pictus</i> (Müller & Troschel, 1849)				X	X				Lasso <i>et al.</i> 2004, Maldonado-Ocampo 2004, Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006

Taxa	DC	EN	CT	Amz	Ori	Mag-Cauc	Pac	Car	Collections/References
<i>Megalonema orixanthum</i> Lundberg & Dahdul, 2008	X				X				ANSP 187449 (ex ANSP 148143)
<i>Megalonema platyecephalum</i> Eigenmann, 1912				X	X				Lasso <i>et al.</i> 2004, Maldonado-Ocampo 2004, Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Megalonema psammium</i> Schultz, 1944								X	Galvis <i>et al.</i> 1997
<i>Megalonema xanthum</i> Eigenmann, 1912	X	X				X			FMNH 56032 [ex CM 4822]; AMNH 5340; BMNH 1920.12.20.112-113, 1924.3.3.83-84; CAS 63674-75 [ex IU 12681-82]; FMNH 10251, 10284-89, 77909, 56032-33, 69818, 95984; MCZ 30961; UMMZ 190406; USNM 76930, 79222, 167852
<i>Perrunichthys perruno</i> Schultz, 1944				X					Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Phraetoecephalus hemiliopterus</i> (Bloch & Schneider, 1801)				X	X				Lasso <i>et al.</i> 2004, Maldonado-Ocampo 2004, Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Pimelodina flavipinnis</i> Steindachner, 1877				X	X				Lasso <i>et al.</i> 2004, Maldonado-Ocampo 2004, Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Pimelodus albofasciatus</i> Mees, 1974					X				Lasso <i>et al.</i> 2004
<i>Pimelodus blochii</i> Valenciennes, 1840				X	X	X	X	X	Lasso <i>et al.</i> 2004, Maldonado-Ocampo 2004, Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006, Maldonado-Ocampo <i>et al.</i> 2006b, Ortega <i>et al.</i> 2006
<i>Pimelodus coprophagus</i> Schultz, 1944			B2c					X	Mojica <i>et al.</i> 2002
<i>Pimelodus gariabarrigai</i> Dahl, 1961	X	X			X				ICNMHN 744 (perhaps lost). Paratypes: ICNMHN 410
<i>Pimelodus grosskopfii</i> Steindachner, 1879	X	X				X	X	X	NMW 45781-82
<i>Pimelodus maculatus</i> La Cepède, 1803				X	X				Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Pimelodus navarroi</i> Schultz, 1944								X	Galvis <i>et al.</i> 1997
<i>Pimelodus ornatus</i> Kner, 1858				X	X				Lasso <i>et al.</i> 2004, Maldonado-Ocampo 2004, Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Pimelodus pietus</i> Steindachner, 1877				X	X				Lasso <i>et al.</i> 2004, Maldonado-Ocampo 2004, Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Pimelodus punetatus</i> (Meek & Hildebrand, 1913)								X	Maldonado-Ocampo <i>et al.</i> 2006a, Mojica <i>et al.</i> 2004
<i>Pinirampus pirinampu</i> (Spix & Agassiz, 1829)				X	X				Lasso <i>et al.</i> 2004, Maldonado-Ocampo 2004, Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006

Taxa	DC	EN	CT	Amz	Ori	Mag-Cauc	Pac	Car	Collections/References
<i>Platynematiichthys notatus</i> (Jardine, 1841)				X	X				Lasso <i>et al.</i> 2004, Maldonado-Ocampo 2004, Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Platysilurus malarma</i> Schultz, 1944			B2c					X	Galvis <i>et al.</i> 1997
<i>Platysilurus mucosus</i> (Vaillant, 1880)				X	X				Lasso <i>et al.</i> 2004, Maldonado-Ocampo 2004, Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Platystomatiichthys sturio</i> (Kner, 1858)				X					Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Pseudoplatystoma magdaleniatum</i> Buitrago-Suárez & Burr, 2007	X	X	A1d			X			CAS 19165; FMNH 56278, 59234
<i>Pseudoplatystoma metaense</i> Buitrago-Suárez & Burr, 2007	X	X			X				ANSP 146858, 128135, 149541
<i>Pseudoplatystoma orinocoense</i> Buitrago-Suárez & Burr, 2007					X				Buitrago-Suárez & Burr 2007
<i>Pseudoplatystoma punctifer</i> (Castelnau, 1855)				X					Buitrago-Suárez & Burr 2007
<i>Pseudoplatystoma tigrinum</i> (Valenciennes, 1840)			A1d, A2d	X					Buitrago-Suárez & Burr 2007
<i>Sorubim cuspicaudus</i> Litmann, Burr & Nass, 2000	X	X	A1d, A2d			X			FMNH 56223; AUM 28756; CAS 150404, 150406; FMNH 60305, 107492; INHS 35428
<i>Sorubim elongatus</i> Litmann, Burr, Smith & Isern, 2001				X	X				Lasso <i>et al.</i> 2004, Maldonado-Ocampo 2004, Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Sorubim lima</i> (Bloch & Schneider, 1801)			A1d, A2d	X	X				Lasso <i>et al.</i> 2004, Maldonado-Ocampo 2004, Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Sorubim maniradii</i> Littman, Burr & Buitrago-Suárez, 2001				X					Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Sorubimichthys planiceps</i> (Spix & Agassiz, 1829)			A2d	X	X				Lasso <i>et al.</i> 2004, Maldonado-Ocampo 2004, Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Zungaro zungaro</i> (Humboldt, 1821)			A1d, A2d	X	X				Lasso <i>et al.</i> 2004, Maldonado-Ocampo 2004, Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006
<b>Ariidae</b>									
<i>Notarius bonillai</i> (Miles, 1945)	X	X				X			ICNMHN 9873
<b>Doradidae</b>									
<i>Acanthodoras cataphractus</i> (Linnaeus, 1758)				X	X				Lasso <i>et al.</i> 2004, Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Acanthodoras spinosissimus</i> (Eigenmann & Eigenmann, 1888)				X	X				Bogotá-Gregory & Maldonado-Ocampo 2006, Maldonado-Ocampo <i>et al.</i> 2006b

Taxa	DC	EN	CT	Amz	Ori	Mag-Cauc	Pac	Car	Collections/References
<i>Agamyxis albomaculatus</i> (Peters, 1877)				X	X				Lasso <i>et al.</i> 2004, Bogotá-Gregory & Maldonado-Ocampo 2006, Ortega <i>et al.</i> 2006
<i>Agamyxis pectinifrons</i> (Cope, 1870)				X					Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006, Ortega <i>et al.</i> 2006
<i>Amblydoras affinis</i> (Kner, 1855)				X	X				Lasso <i>et al.</i> 2004, Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Amblydoras bolivarensis</i> (Fernández-Yépez, 1968)					X				Lasso <i>et al.</i> 2004, Maldonado-Ocampo 2004, Maldonado-Ocampo <i>et al.</i> 2006b
<i>Amblydoras gonzalezi</i> (Fernández-Yépez, 1968)				X	X				Lasso <i>et al.</i> 2004, Galvis <i>et al.</i> 2007b
<i>Amblydoras hancockii</i> (Valenciennes, 1840)					X				IAvH-P 747*, 1075*, 1181*, 2807*
<i>Amblydoras monitor</i> (Cope, 1872)				X					Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Amblydoras nauticus</i> (Cope, 1874)				X					Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Anadoras grypus</i> (Cope, 1872)				X					Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006, Ortega <i>et al.</i> 2006
<i>Anadoras regani</i> (Steindachner, 1908)				X					Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Anduzedoras oxyrhynchus</i> (Valenciennes, 1821)					X				Lasso <i>et al.</i> 2004
<i>Centrochir eroeodili</i> (Humboldt, 1821)	X	X				X			No types known, IAvH-P 7883*
<i>Centrodoras braehiatus</i> (Cope, 1872)				X					Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Doraops zuloagai</i> Schultz, 1944			B2c					X	Galvis <i>et al.</i> 1997
<i>Doras earinatus</i> (Linnaeus, 1766)				X					Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006, Ortega <i>et al.</i> 2006
<i>Doras phlyszakion</i> Sabaj Pérez & Birindelli, 2008				X					Sabaj-Pérez & Brindelli 2008
<i>Doras punetatus</i> Kner, 1853				X					Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Hassar orestis</i> (Steindachner, 1875)				X	X				Lasso <i>et al.</i> 2004, Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Hemidoras morrisi</i> Eigenmann, 1925				X					Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Hemidoras stenopeltis</i> (Kner, 1855)				X					Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Hypodoras forficulatus</i> Eigenmann, 1925				X					Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Leptodoras aepenserinus</i> (Günther, 1868)				X					IAvH-P 257*, 258*



Taxa	DC	EN	CT	Amz	Ori	Mag-Cauc	Pac	Car	Collections/References
<i>Leptodoras copei</i> (Fernández-Yépez, 1968)				X	X				Lasso <i>et al.</i> 2004, Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Leptodoras juruensis</i> Boulenger, 1898				X					Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006, Ortega <i>et al.</i> 2006
<i>Leptodoras linnelli</i> Eigenmann, 1912					X				Lasso <i>et al.</i> 2004
<i>Leptodoras nelsoni</i> Sabaj, 2005	X			X	X				ANSP 180917
<i>Megalodoras uranoscopus</i> (Eigenmann & Eigenmann, 1888)				X					Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006, Ortega <i>et al.</i> 2006
<i>Nemadoras elongatus</i> (Boulenger, 1898)				X					Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Nemadoras hemipeltis</i> (Eigenmann, 1925)				X					Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Nemadoras humeralis</i> (Kner, 1855)				X					Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Nemadoras leporhinus</i> (Eigenmann, 1912)				X	X				Lasso <i>et al.</i> 2004, Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Nemadoras trimaculatus</i> (Boulenger, 1898)				X					Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Opsodoras boulengeri</i> (Steindachner, 1915)				X					Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006, Ortega <i>et al.</i> 2006
<i>Opsodoras morei</i> (Steindachner, 1881)				X					Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Opsodoras stuebelii</i> (Steindachner, 1882)				X					Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Opsodoras ternetzi</i> Eigenmann, 1925				X					Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Orinocodoras eigenmanni</i> Myers, 1927					X				Lasso <i>et al.</i> 2004
<i>Oxydoras niger</i> (Valenciennes, 1821)				X	X				Lasso <i>et al.</i> 2004, Maldonado-Ocampo 2004, Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006, Maldonado-Ocampo <i>et al.</i> 2006b, Ortega <i>et al.</i> 2006
<i>Oxydoras sifontesi</i> Fernández-Yépez, 1968					X				Lasso <i>et al.</i> 2004, Maldonado-Ocampo <i>et al.</i> 2006b
<i>Physopyxis ananas</i> Sousa & Rapp Py-Daniel, 2005				X	X				IAvH-P 2106*, 9259*
<i>Physopyxis lyra</i> Cope, 1871				X					Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Platydoras armatulus</i> (Valenciennes, 1840)				X	X				IAvH-P 491*, 859*, 1037*, 6050-6053*
<i>Platydoras costatus</i> (Linnaeus, 1758)				X	X				Lasso <i>et al.</i> 2004, Maldonado-Ocampo 2004, Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006, Maldonado-Ocampo <i>et al.</i> 2006b, Ortega <i>et al.</i> 2006

Taxa	DC	EN	CT	Amz	Ori	Mag-Cauc	Pac	Car	Collections/References
<i>Pterodoras granulatus</i> (Valenciennes, 1821)				X					Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006, Ortega <i>et al.</i> 2006
<i>Pterodoras rivasi</i> (Fernández-Yépez, 1950)				X	X				Lasso <i>et al.</i> 2004, Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Rhinodoras gallagheri</i> Sabaj, Taphorn & Castillo G., 2008					X				IAvH-P 3208*
<i>Rhinodoras thomersoni</i> Thaporn & Lylyestrom, 1984			B2c					X	Galvis <i>et al.</i> 1997
<i>Scorpiodoras heckelii</i> (Kner, 1855)				X	X				Lasso <i>et al.</i> 2004, Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006, Maldonado-Ocampo <i>et al.</i> 2006b
<i>Trachydoras microstomus</i> (Eigenmann, 1912)				X					Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Trachydoras nattereri</i> (Steindachner, 1881)				X					Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Trachydoras steindachneri</i> (Perugia, 1897)				X					Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006
<b>Auchenipteridae</b>									
<i>Ageneiosus atronasus</i> Eigenmann & Eigenmann, 1888				X					Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Ageneiosus brevis</i> Steindachner, 1881				X					Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006, Ortega <i>et al.</i> 2006
<i>Ageneiosus inermis</i> (Linnaeus, 1766)				X	X				Lasso <i>et al.</i> 2004, Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006, Maldonado-Ocampo <i>et al.</i> 2006b, Ortega <i>et al.</i> 2006
<i>Ageneiosus magoi</i> Castillo & Brull, 1989					X				Lasso <i>et al.</i> 2004
<i>Ageneiosus pardalis</i> Lütken, 1874			A1d, A2d, B2c			X		X	Maldonado-Ocampo <i>et al.</i> 2005, 2006a
<i>Ageneiosus piperatus</i> (Eigenmann, 1912)				X					Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Ageneiosus ucayalensis</i> Castelnau, 1855				X	X				Lasso <i>et al.</i> 2004, Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Ageneiosus vittatus</i> Steindachner, 1908				X	X				Lasso <i>et al.</i> 2004, Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Auchenipterichthys longimanus</i> (Günther, 1864)				X	X				Lasso <i>et al.</i> 2004, Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006, Maldonado-Ocampo <i>et al.</i> 2006b
<i>Auchenipterichthys punctatus</i> (Valenciennes, 1840)				X					Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Auchenipterichthys thoracatus</i> (Kner, 1858)				X	X				Lasso <i>et al.</i> 2004, Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006, Ortega <i>et al.</i> 2006

Taxa	DC	EN	CT	Amz	Ori	Mag-Cauc	Pac	Car	Collections/References
<i>Auchenipterus ambyiacus</i> Fowler, 1915				X	X				Lasso <i>et al.</i> 2004, Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Auchenipterus brachyurus</i> (Cope, 1878)				X					Galvis <i>et al.</i> 2007b
<i>Auchenipterus nuchalis</i> (Spix & Agassiz, 1829)				X	X				Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006, Ortega <i>et al.</i> 2006, IAvH-P 5724*
<i>Centromochlus altae</i> Fowler, 1945	X	X		X					ANSP 71700, 71701-04
<i>Centromochlus existimatus</i> Mees, 1974				X					Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Centromochlus heckelii</i> (De Filippi, 1853)				X	X				Lasso <i>et al.</i> 2004, Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Centromochlus megalops</i> Kner, 1858	X	X			X				NMW 47359-60
<i>Centromochlus reticulatus</i> (Mees, 1974)				X					Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Centromochlus romani</i> (Mees, 1988)					X				Galvis <i>et al.</i> 2007a
<i>Entomocorus gameroi</i> Mago-Leccia, 1984					X				Lasso <i>et al.</i> 2004
<i>Epapterus dispilurus</i> Cope, 1878				X					Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006, Ortega <i>et al.</i> 2006
<i>Gelanoglanis stroudi</i> Böhlke, 1980	X				X				ANSP 142937, 142938-39, 142940, 142941; FMNH 83911, 83912; MZUSP 14641
<i>Liosomadoras morrowi</i> Fowler, 1940				X					Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Liosomadoras oncinus</i> (Jardine, 1841)				X					Galvis <i>et al.</i> 2007b
<i>Pseudepapterus cucuhyensis</i> Böhlke, 1951				X					Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Pseudepapterus hasemani</i> (Steindachner, 1915)				X					Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Tatia aulopygia</i> (Kner, 1858)				X	X				Lasso <i>et al.</i> 2004, Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006, Maldonado-Ocampo <i>et al.</i> 2006b
<i>Tatia dunni</i> Fowler, 1945	X			X					ANSP 71705, 71706
<i>Tatia galaxias</i> Mees, 1974					X				Lasso <i>et al.</i> 2004, Sarmento-Soares & Martins-Pinheiro 2008
<i>Tatia gyrina</i> (Eigenmann & Allen, 1942)				X					Sarmento-Soares & Martins-Pinheiro 2008
<i>Tatia intermedia</i> (Steindachner, 1877)				X					Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006

Taxa	DC	EN	CT	Amz	Ori	Mag-Cauc	Pac	Car	Collections/References
<i>Tatia perugiae</i> (Steindachner, 1882)				X					Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Tetranematichthys quadrifilis</i> (Kner, 1858)				X	X				Lasso <i>et al.</i> 2004, IAvH-P 9084*
<i>Tetranematichthys wallacei</i> Vari & Ferraris 2006				X	X				Bogotá-Gregory & Maldonado-Ocampo 2006, Maldonado-Ocampo <i>et al.</i> 2006b
<i>Trachelyichthys decaradiatus</i> Mees, 1974					X				Galvis <i>et al.</i> 2007a
<i>Trachelyopterichthys anduzei</i> Ferraris & Fernandez, 1987					X				Maldonado-Ocampo <i>et al.</i> 2006b
<i>Trachelyopterichthys taeniatus</i> (Kner, 1858)				X	X				Lasso <i>et al.</i> 2004, Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006, Maldonado-Ocampo <i>et al.</i> 2006b, Ortega <i>et al.</i> 2006
<i>Trachelyopterus fisheri</i> (Eigenmann, 1916)	X	X				X		X	FMNH 57695 [ex CM 6667a], 57696-98; CAS 52136 [ex IU 13496], 57937 [ex IU 13495], 57938 [ex IU 13497]; USNM 76929
<i>Trachelyopterus insignis</i> (Steindachner, 1878)	X	X				X		X	Syntypes NMW, status unknown
<i>Trachelyopterus galeatus</i> (Linnaeus, 1766)				X	X				Lasso <i>et al.</i> 2004, Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006, Ortega <i>et al.</i> 2006
<b>Gymnotiformes</b>									
<b>Gymnotidae</b>									
<i>Electrophorus electricus</i> (Linnaeus, 1766)				X	X				Maldonado-Ocampo & Albert 2003
<i>Gymnotus anguillaris</i> Hoedeman, 1962					X				Maldonado-Ocampo & Albert 2003
<i>Gymnotus arapaima</i> Albert & Crampton, 2001				X					IAvH-P*
<i>Gymnotus ardilai</i> Maldonado-Ocampo & Albert, 2005	X	X				X			IAvHP 3477, 4001
<i>Gymnotus carapo</i> Linnaeus, 1758				X	X				Maldonado-Ocampo & Albert 2003
<i>Gymnotus cataniapo</i> Mago-Leccia, 1994					X				Maldonado-Ocampo & Albert 2003
<i>Gymnotus choco</i> Albert, Crampton & Maldonado, 2003	X	X					X	X	ICNMHN 6621; NRM 27734
<i>Gymnotus coropinae</i> Hoedeman, 1962				X	X				Maldonado-Ocampo & Albert 2003, Galvis <i>et al.</i> 2007a
<i>Gymnotus curupira</i> Crampton, Thorsen & Albert, 2005				X					IAvH-P*

Taxa	DC	EN	CT	Amz	Ori	Mag-Cauc	Pac	Car	Collections/References
<i>Gymnotus henni</i> Albert, Crampton & Maldonado, 2003	X	X					X		CAS 47290, 217162; FMNH 56793
<i>Gymnotus javari</i> Albert, Crampton & Hagedorn, 2003				X					Galvis <i>et al.</i> 2007b, Arbeláez <i>et al.</i> 2008
<i>Gymnotus pedanopterus</i> Mago-Leccia, 1994				X					Maldonado-Ocampo & Albert 2003
<i>Gymnotus stenoleucus</i> Mago-Leccia, 1994				X	X				Maldonado-Ocampo & Albert 2003
<i>Gymnotus tigre</i> Albert & Crampton, 2003	X			X					UF 25552, 128412; ICNMHN 6690
<b>Sternopygidae</b>									
<i>Distocyclus conirostris</i> (Eigenmann & Allen, 1942)				X					Maldonado-Ocampo & Albert 2003
<i>Distocyclus goajira</i> (Schultz, 1949)								X	Maldonado-Ocampo & Albert 2003
<i>Eigenmannia humboldtii</i> (Steindachner, 1878)	X					X		X	NMW 64988, ?64989
<i>Eigenmannia macrops</i> (Boulenger, 1897)					X				Lasso <i>et al.</i> 2004
<i>Eigenmannia nigra</i> Mago-Leccia, 1994				X					Maldonado-Ocampo & Albert 2003
<i>Eigenmannia limbata</i> (Schreiner & Miranda Ribeiro, 1903)				X					Maldonado-Ocampo & Albert 2003
<i>Eigenmannia virescens</i> (Valenciennes, 1842)				X	X	X	X	X	Maldonado-Ocampo & Albert 2003
<i>Rhabdolichops caviceps</i> (Fernández-Yépez, 1968)					X				Maldonado-Ocampo & Albert 2003
<i>Rhabdolichops troschelli</i> (Kaup, 1856)				X					Maldonado-Ocampo & Albert 2003
<i>Sternopygus aequilabiatus</i> (Humboldt, 1805)	X	X				X			No types known
<i>Sternopygus astrabes</i> Mago-Leccia, 1994					X				Lasso <i>et al.</i> 2004, Maldonado-Ocampo <i>et al.</i> 2006b
<i>Sternopygus dariensis</i> Meek & Hildebrand, 1916							X	X	Maldonado-Ocampo & Albert 2003
<i>Sternopygus macrurus</i> (Bloch & Schneider, 1801)				X	X				Maldonado-Ocampo & Albert 2003
<i>Sternopygus pejeraton</i> Schultz, 1949								X	Maldonado-Ocampo & Albert 2003
<b>Rhamphichthyidae</b>									
<i>Gymnorhamphichthys hypostomus</i> Ellis, 1912				X	X				Maldonado-Ocampo & Albert 2003

Taxa	DC	EN	CT	Amz	Ori	Mag-Cauc	Pac	Car	Collections/References
<i>Gymnorhamphichthys rondoni</i> (Miranda Ribeiro, 1920)				X	X				Maldonado-Ocampo & Albert 2003
<i>Rhamphichthys drepanium</i> Triques, 1999					X				Maldonado-Ocampo & Albert 2003
<i>Rhamphichthys marmoratus</i> Castelnau, 1855					X				Maldonado-Ocampo & Albert 2003
<i>Rhamphichthys rostratus</i> (Linnaeus, 1776)				X	X				Maldonado-Ocampo & Albert 2003
<b>Hypopomidae</b>									
<i>Brachyhypopomus beebi</i> (Schultz, 1944)				X	X				Maldonado-Ocampo & Albert 2003
<i>Brachyhypopomus brevirostris</i> (Steindachner, 1868)				X	X	X			Maldonado-Ocampo & Albert 2003
<i>Brachyhypopomus occidentalis</i> (Regan, 1914)	X					X	X	X	BMNH 1914.5.18.94-98
<i>Brachyhypopomus pinnicaudatus</i> (Hopkins, 1991)				X					Maldonado-Ocampo & Albert 2003
<i>Hypopomus artedi</i> (Kaup, 1856)				X					Maldonado-Ocampo & Albert 2003
<i>Hypopygus lepturus</i> Hoedeman, 1962				X	X				Maldonado-Ocampo & Albert 2003
<i>Hypopygus neblinae</i> Mago- Leccia, 1994				X	X				Maldonado-Ocampo & Albert 2003, Galvis <i>et al.</i> 2007a
<i>Microsternarchus bilineatus</i> Fernández-Yépez, 1968					X				Maldonado-Ocampo & Albert 2003
<i>Steatogenys duidae</i> (La Monte, 1929)				X	X				Maldonado-Ocampo & Albert 2003, Galvis <i>et al.</i> 2007a
<i>Steatogenys elegans</i> (Steindachner, 1880)				X	X				Maldonado-Ocampo & Albert 2003
<i>Stegostenopus cryptogenes</i> Triques, 1997					X				Maldonado-Ocampo & Albert 2003
<b>Apteronotidae</b>									
<i>Adontosternarchus balaneops</i> (Cope, 1878)				X					Maldonado-Ocampo & Albert 2003
<i>Adontosternarchus clarkae</i> Mago-Leccia, Lundberg & Baskin, 1985				X					Maldonado-Ocampo & Albert 2003
<i>Adontosternarchus devenanzii</i> Mago-Leccia, Lundberg & Baskin, 1985					X				Maldonado-Ocampo & Albert 2003
<i>Apteronotus albifrons</i> (Linnaeus, 1766)					X				Maldonado-Ocampo & Albert 2003
<i>Apteronotus apurensis</i> Fernández-Yépez, 1968					X				Maldonado-Ocampo & Albert 2003

Taxa	DC	EN	CT	Amz	Ori	Mag-Cauc	Pac	Car	Collections/References
<i>Apteronotus bonapartii</i> (Castelnau, 1855)				X					Maldonado-Ocampo & Albert 2003
<i>Apteronotus cuchillejo</i> (Schultz, 1949)								X	Maldonado-Ocampo & Albert 2003
<i>Apteronotus cuchillo</i> Schultz, 1949								X	Maldonado-Ocampo & Albert 2003
<i>Apteronotus eschmeyeri</i> de Santana, Maldonado-Ocampo, Severi & Mendes, 2003	X	X				X		X	CAS 72115; FMNH 56775-76; IAVH-P 3304; ICMNH 6741; IMCN 2000; USNM 120473
<i>Apteronotus galvisi</i> de Santana, Maldonado-Ocampo & Crampton 2007	X	X			X				IAvH-P 8133, 8129, 8130-8132, 8167
<i>Apteronotus jurubidae</i> (Fowler, 1944)	X	X					X		ANSP 71435
<i>Apteronotus leptorhynchus</i> (Ellis, 1912)					X		X	X	Maldonado-Ocampo & Albert 2003
<i>Apteronotus macrostomus</i> (Fowler, 1943)	X	X			X				ANSP 70528
<i>Apteronotus macrolepis</i> (Steindachner, 1881)				X					Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Apteronotus magdalenensis</i> (Miles, 1945)	X	X	C			X			Holotype: Probably lost; BMNH 1947.7.1.138; USNM 123795
<i>Apteronotus mariae</i> (Eigenmann & Fisher, 1914)	X	X				X			FMNH 56774 [ex CM 5594]; CAS 62345 [ex IU 13375]
<i>Apteronotus milesi</i> de Santana & Maldonado-Ocampo 2005	X	X				X			IAVHP 3996; CAS 72249 [ex IU 13379], 72250 [ex IU 13379]; IAVH-P 3997; ICMN 2500; ICMNH 3155; FMNH 56775, 56776, 56777, 56778
<i>Apteronotus rostratus</i> (Meek & Hildebrand, 1913)							X	X	Maldonado-Ocampo & Albert 2003
<i>Apteronotus spurrellii</i> (Regan, 1914)	X	X					X		BMNH 1914.5.18.90-93
<i>Compsaraia compsa</i> (Mago-Leccia, 1994)					X				Maldonado-Ocampo & Albert 2003
<i>Parapteronotus hasemani</i> (Ellis, 1913)				X					Maldonado-Ocampo & Albert 2003
<i>Platyrosternarchus macrostomus</i> (Günther, 1870)				X	X				Maldonado-Ocampo & Albert 2003
<i>Sternarchella schotti</i> (Steindachner, 1868)				X					Maldonado-Ocampo & Albert 2003
<i>Sternarchella sima</i> Starks, 1913					X				Maldonado-Ocampo & Albert 2003
<i>Sternarchorhamphus muelleri</i> (Steindachner, 1882)				X					Maldonado-Ocampo & Albert 2003
<i>Sternarchogiton nattereri</i> (Steindachner, 1868)				X					Maldonado-Ocampo & Albert 2003

Taxa	DC	EN	CT	Amz	Ori	Mag-Cauc	Pac	Car	Collections/References
<i>Sternarchorhynchus curvirostris</i> (Boulenger, 1887)				X	X				Maldonado-Ocampo & Albert 2003, Galvis <i>et al.</i> 2007b
<i>Sternarchorhynchus mormyrus</i> (Steindachner, 1868)				X	X				Maldonado-Ocampo & Albert 2003
<i>Sternarchorhynchus oxyrhynchus</i> (Müller & Troschel, 1849)				X					Maldonado-Ocampo & Albert 2003
<i>Sternarchorhynchus roseni</i> Mago-Leccia, 1994					X				Maldonado-Ocampo & Albert 2003
<b>Batrachoidiformes</b>									
<b>Batrachoididae</b>									
<i>Dacctor gerringi</i> (Rendahl, 1941)	X	X						X	NRM 10651
<i>Dacctor quadrizonatus</i> (Eigenmann, 1922)	X	X					X	X	FMNH [ex CM 3921] (missing)
<i>Thalassophrync amazonica</i> Steindachner, 1876				X					Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006
<b>Cyprinodontiformes</b>									
<b>Rivulidae</b>									
<i>Austrofundulus guajira</i> Hrbek, Taphorn & Thomerson 2005								X	Hrbek <i>et al.</i> 2005
<i>Austrofundulus myersi</i> Dahl, 1958	X	X				X			SU 49513, 49513, 68324; DZVU [ex SU 49513]
<i>Rachovia brevis</i> (Regan, 1912)	X					X		X	BMNH 1908.5.14.8
<i>Rachovia hummelincki</i> Beaufort, 1940						X			Taphorn & Thomerson 1978
<i>Rachovia maculipinnis</i> (Radda, 1964)					X				Taphorn & Thomerson 1978
<i>Rivulus altivclis</i> Huber, 1992	X	X			X				NRM 16548, 14687
<i>Rivulus atratus</i> Garman, 1895				X					Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Rivulus boehlkei</i> Huber & Fels, 1985	X	X				X			ANSP 139467, 139467
<i>Rivulus corpulentus</i> Thomerson & Taphorn, 1993	X	X			X				SU [not CAS] 69692, 53693
<i>Rivulus clegans</i> Steindachner, 1880	X	X			X	X	X	X	NMW 60544:1, 60544:2-3, 18893-6
<i>Rivulus clongatus</i> Fles & de Rham, 1981				X					Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Rivulus lcucurus</i> Fowler, 1944	X	X					X		ANSP 71436, 71437-50
<i>Rivulus limoncochac</i> Hoedeman, 1962				X	X				Bogotá-Gregory & Maldonado-Ocampo 2006, Galvis <i>et al.</i> 2007a



Taxa	DC	EN	CT	Amz	Ori	Mag-Cauc	Pac	Car	Collections/References
<i>Rivulus magdalenae</i> Eigenmann & Henn, 1916	X	X				X			FMNH 56997 [ex CM 5813], FMNH 56998-99, 57000-02; CAS 44227 [ex CM 5814a-m; IU 13603], 52234 [ex IU 13606], 52235 [ex IU 13605], 78377 [ex IU 13606]
<i>Rivulus pacificus</i> Huber, 1992	X	X					X	X	NRM 16551, 14683; BMNH 1910.7.11.211-216, 1913.10.1.69-78; CAS 76354 [ex IU 13602], 76356 [ex IU 13601]
<i>Rivulus ophiomimus</i> Huber, 1992				X					Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Rivulus ornatus</i> Garman, 1895				X					Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Rivulus rubrolineatus</i> Fels & de Rham, 1981				X					Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006, Ortega <i>et al.</i> 2006
<i>Rivulus taeniatus</i> Fowler, 1945	X	X		X					ANSP 71720,71721
<i>Rivulus tessellatus</i> Huber, 1992	X	X			X				ANSP 139468, 168979
<i>Rivulus urophthalmus</i> Günther, 1866				X					Ortega <i>et al.</i> 2006
<b>Poeciliidae</b>									
<i>Fluviphylax obseurus</i> Costa, 1996					X				Lasso <i>et al.</i> 2004
<i>Fluviphylax pygmaeus</i> (Myers & Carvalho, 1955)				X					Lucinda 2003
<i>Gambusia lemaitrei</i> Fowler, 1950	X	X				X			ANSP 71938, 71939-40
<i>Neoheterandria elegans</i> Henn, 1916	X	X						X	FMNH 57007 [ex CM 5823], 57008 [ex CM 5824a-g]; AMNH 22705sw [ex FMNH 57008], 36481 [ex IU 13612]; CAS 22768 [ex IU 13612]; UMMZ 65232 [ex IU 13612]
<i>Poecilia eaueana</i> (Steindachner, 1880)	X						X	X	NMW 81128
<i>Poecilia euneata</i> Garman, 1895								X	Maldonado-Ocampo <i>et al.</i> 2006a, Mojica <i>et al.</i> 2004
<i>Poecilia mechtildae</i> Meyer, Etzel & Bork, 2002	X	X						X	MTDF 26473-26476; SMF 28889
<i>Poecilia orri</i> Fowler, 1943								X	Lucinda 2003
<i>Poeciliopsis turrubarensis</i> (Meek, 1912)							X		Mojica <i>et al.</i> 2004, Ortega-Lara <i>et al.</i> 2006b
<i>Priapiethys ealiensis</i> (Eigenmann & Henn, 1916)	X	X				X	X		FMNH 57721 [ex CM 6700a], FMNH [ex CM 6700b]
<i>Priapiethys ehocoensis</i> Henn, 1916	X	X						X	CAS 22547 [ex IU 13618], 22560 [ex IU 13619]; FMNH 57009; UMMZ 65223 [ex IU 13619]

Taxa	DC	EN	CT	Amz	Ori	Mag-Cauc	Pac	Car	Collections/References
<i>Priapichthys nigroventralis</i> (Eigenmann & Henn, 1912)	X	X					X	X	FMNH 56045; BMNH 1913.10.1.68
<i>Pseudopoeilia austrocolumbiana</i> Radda, 1987	X	X					X		FMNH 56045 [ex CM 4835], 54046; BMNH 1924.3.3.85-86; CAS 22765 [ex IU 12689]; USNM 79205
<i>Pseudopoeilia fria</i> (Eigenmann & Henn, 1914)							X		Mojica <i>et al.</i> 2004, Ortega-Lara <i>et al.</i> 2006b
<b>Beloniformes</b>									
<b>Belonidae</b>									
<i>Belonion apodion</i> Collette, 1966					X				Lasso <i>et al.</i> 2004, Maldonado-Ocampo <i>et al.</i> 2006b
<i>Belonion dibranchodon</i> Collette, 1966	X			X	X				AMNH 20808; MNHN B-2529; USNM 199463
<i>Potamorrhaphis guianensis</i> (Jardine, 1843)				X	X				Lasso <i>et al.</i> 2004, Maldonado-Ocampo 2004, Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006, Maldonado-Ocampo <i>et al.</i> 2006b, Ortega <i>et al.</i> 2006
<i>Potamorrhaphis petersi</i> Collette, 1974	X				X				USNM 210546, 210547, 210861; AMNH 9619; CAS 27587; MBUCV-V-6132; MNHN 1887-0655-0656
<i>Pseudotylosurus microps</i> (Günther, 1866)				X	X				Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006, Ortega <i>et al.</i> 2006, Galvis <i>et al.</i> 2007ab
<b>Synbranchiformes</b>									
<b>Synbranchidae</b>									
<i>Synbranchus marmoratus</i> Bloch, 1795				X	X	X	X	X	Lasso <i>et al.</i> 2004, Maldonado-Ocampo <i>et al.</i> 2005, Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006, Maldonado-Ocampo <i>et al.</i> 2006ab, Ortega <i>et al.</i> 2006
<b>Perciformes</b>									
<b>Sciaenidae</b>									
<i>Pachypops foureroi</i> (Lacepède, 1802)				X					Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Pachypops trifilis</i> (Müller & Troschel, 1849)				X					Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Pachyurus gabrielensis</i> Casatti, 2001					X				IAvH-P 4761*
<i>Pachyurus junki</i> Soares & Casatti, 2000				X					Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Pachyurus sehomburgkii</i> Günther, 1860				X	X				Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006, Ortega <i>et al.</i> 2006, Galvis <i>et al.</i> 2007a

Taxa	DC	EN	CT	Amz	Ori	Mag-Cauc	Pac	Car	Collections/References
<i>Plagioscion magdalenae</i> (Steindachner, 1878)	X	X	A1d, A2d			X		X	Syntypes NMW, status unknown
<i>Plagioscion squamosissimus</i> (Heckel, 1840)				X	X				Lasso <i>et al.</i> 2004, Maldonado-Ocampo 2004, Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006, Maldonado-Ocampo <i>et al.</i> 2006b, Ortega <i>et al.</i> 2006
<b>Polycentridae</b>									
<i>Monocirrhus polyacanthus</i> Heckel, 1840				X	X				Lasso <i>et al.</i> 2004, Maldonado-Ocampo 2004, Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006, Ortega <i>et al.</i> 2006
<b>Cichlidae</b>									
<i>Acarichthys heckelii</i> (Müller & Troschel, 1849)				X					Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Acaronia nassa</i> (Heckel, 1840)				X					Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Acaronia vultuosa</i> Kullander, 1989				X	X				Lasso <i>et al.</i> 2004, Bogotá-Gregory & Maldonado-Ocampo 2006, Maldonado-Ocampo <i>et al.</i> 2006b
<i>Aequidens biseriatus</i> (Regan, 1913)	X	X					X	X	BMNH 1913.10.1.80-88
<i>Aequidens coeruleopunctatus</i> (Kner & Steindachner, 1863)							X		Mojica <i>et al.</i> 2004
<i>Aequidens diadema</i> (Heckel, 1840)				X	X				Lasso <i>et al.</i> 2004, Maldonado-Ocampo 2004, Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006, Maldonado-Ocampo <i>et al.</i> 2006b, Ortega <i>et al.</i> 2006
<i>Aequidens latifrons</i> (Steindachner, 1878)	X	X				X	X	X	NMW Holotype catalogue number unknown
<i>Aequidens metae</i> Eigenmann, 1922	X	X		X	X				CAS 66884 [ex IU 13967], 66983 [ex IU 13967]
<i>Aequidens pallidus</i> (Heckel, 1840)				X					Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Aequidens potaroensis</i> Eigenmann, 1912				X					Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Aequidens pulcher</i> (Gill, 1858)						X		X	Maldonado-Ocampo <i>et al.</i> 2005, Mojica <i>et al.</i> 2006b, Ortega-Lara <i>et al.</i> 2006a, Villa-Navarro <i>et al.</i> 2006
<i>Aequidens sapayensis</i> (Regan, 1903)							X		Mojica <i>et al.</i> 2004, Ortega-Lara <i>et al.</i> 2006b
<i>Aequidens tetramerus</i> (Heckel, 1840)				X	X				Lasso <i>et al.</i> 2004, Maldonado-Ocampo 2004, Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006, Maldonado-Ocampo <i>et al.</i> 2006b, Ortega <i>et al.</i> 2006
<i>Apistogramma agassizi</i> (Steindachner, 1875)				X					Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006

Taxa	DC	EN	CT	Amz	Ori	Mag-Cauc	Pac	Car	Collections/References
<i>Apistogramma alacrina</i> Kullander, 2004	X	X		X	X				UF 33670, 128785, 33687, 33717; CAS 50638; ICN-MNHN 6735; NRM 27040, 33375, 36102
<i>Apistogramma bitaeniata</i> Pellegrin, 1936				X					Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006, Ortega <i>et al.</i> 2006
<i>Apistogramma cacatuoides</i> Hoedeman, 1951				X					Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Apistogramma commbrae</i> (Regan, 1906)				X					Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Apistogramma cruzi</i> Kullander, 1986				X					Bogotá-Gregory & Maldonado-Ocampo 2006, Ortega <i>et al.</i> 2006
<i>Apistogramma diplotaenia</i> Kullander, 1987				X					Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Apistogramma eunotus</i> Kullander, 1987				X					Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Apistogramma geisleri</i> Meinken, 1971				X					Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Apistogramma hongsloui</i> Kullander, 1979	X			X	X				NRM 11234, 11235-39
<i>Apistogramma inconspicua</i> Kullander, 1983				X					Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Apistogramma iniridae</i> Kullander, 1979	X	X		X	X				NRM 11224, 11225-30; IRSNB 15.223
<i>Apistogramma macmasteri</i> Kullander, 1979	X	X			X				NRM 11240, 11241-44; AMNH 22733; FMNH 55218 [ex CM 3930]
<i>Apistogramma ormanni</i> (Eigenmann, 1912)				X					Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Apistogramma pertensis</i> (Haseman, 1911)				X					Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Apistogramma regani</i> Kullander, 1980				X					Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Apistogramma uaupezi</i> Kullander, 1980				X	X				Lasso <i>et al.</i> 2004, Maldonado-Ocampo 2004, Maldonado-Ocampo <i>et al.</i> 2006b, Galvis <i>et al.</i> 2007b
<i>Apistogramma viejita</i> Kullander, 1979	X	X			X				NRM 11231, 11232
<i>Apistogrammoides pucallpaensis</i> Meinken, 1965				X					Kulander 2003
<i>Astronotus ocellatus</i> (Agassiz, 1831)				X	X				Lasso <i>et al.</i> 2004, Maldonado-Ocampo 2004, Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006, Maldonado-Ocampo <i>et al.</i> 2006b, Ortega <i>et al.</i> 2006
<i>Biorodoma cupido</i> (Heckel, 1840)				X					Bogotá-Gregory & Maldonado-Ocampo 2006

Taxa	DC	EN	CT	Amz	Ori	Mag-Cauc	Pac	Car	Collections/References
<i>Biotodoma wavrini</i> (Gosse, 1963)				X	X				Lasso <i>et al.</i> 2004, Maldonado-Ocampo 2004, Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006, Maldonado-Ocampo <i>et al.</i> 2006b
<i>Biotoccus dicentrarchus</i> Kullander, 1989	X								ICNMHN 1400; FMNH 85650, 105089; NRM 16662, 37078
<i>Bujurquina huallagae</i> Kullander, 1986				X					Ortega <i>et al.</i> 2006
<i>Bujurquina mariac</i> (Eigenmann, 1922)	X	X		X	X				CAS 34711 [ex IU 15011], 34712 [ex IU 15011], 66888 [ex IU 13794]; BMNH 1910.12.20.172
<i>Bujurquina moriorum</i> Kullander, 1986				X					Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006, Ortega <i>et al.</i> 2006
<i>Bujurquina ortegai</i> Kullander, 1986				X					Ortega <i>et al.</i> 2006
<i>Bujurquina pterogrinabunda</i> Kullander, 1986				X					Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Bujurquina sypsilus</i> (Cope, 1872)				X					Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Bujurquina vittata</i> (Heckel, 1840)				X					Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Caquetaia kraussii</i> (Steindachner, 1879)	X					X	X	X	MSNG 13010 [ex NMW]; NMW 24543-53, 75391; SMNS 2596; ZMUC 86; ZMUO J2756, J2757
<i>Caquetaia myersi</i> (Schultz, 1944)	X			X					USNM 120533, 120534
<i>Caquetaia umbrifera</i> (Meek & Hildebrand, 1913)						X		X	Maldonado-Ocampo <i>et al.</i> 2005, 2006a, Mojica <i>et al.</i> 2006b, Ortega-Lara <i>et al.</i> 2006a, Villa-Navarro <i>et al.</i> 2006
<i>Chactobranhus flavescens</i> Heckel, 1840				X	X				Lasso <i>et al.</i> 2004, Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006, Ortega <i>et al.</i> 2006
<i>Chactobranhus scmfasciatus</i> Steindachner, 1875				X					IAvH-P 5662*
<i>Cichla intermedia</i> Machado-Allison, 1971					X				Lasso <i>et al.</i> 2004, Maldonado-Ocampo 2004, Maldonado-Ocampo <i>et al.</i> 2006b
<i>Cichla monoculus</i> Spix & Agassiz, 1831				X	X				Lasso <i>et al.</i> 2004, Maldonado-Ocampo 2004, Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006, Maldonado-Ocampo <i>et al.</i> 2006b, Ortega <i>et al.</i> 2006
<i>Cichla orinocensis</i> Humboldt, 1821				X	X				Lasso <i>et al.</i> 2004, Maldonado-Ocampo 2004, Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006, Maldonado-Ocampo <i>et al.</i> 2006b

Taxa	DC	EN	CT	Amz	Ori	Mag-Cauc	Pac	Car	Collections/References
<i>Cichla temensis</i> Humboldt, 1821				X	X				Lasso <i>et al.</i> 2004, Maldonado-Ocampo 2004, Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006, Maldonado-Ocampo <i>et al.</i> 2006b
<i>Cichlasoma amazonarum</i> Kullander, 1983				X					Bogotá-Gregory & Maldonado-Ocampo 2006, Ortega <i>et al.</i> 2006
<i>Cichlasoma atromaculatum</i> Regan, 1912	X						X	X	BMNH 1910.7.11.83-88
<i>Cichlasoma bimaculatum</i> (Linnaeus, 1758)				X					Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Cichlasoma dimerus</i> (Heckel, 1840)				X					Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Cichlasoma gephyrum</i> Eigenmann, 1922	X	X					X		FMNH 58614 [ex CM 7639], 58615 [ex CM 7639]; CAS 66956 [ex IU 14171]
<i>Cichlasoma microlepis</i> Dahl, 1960	X	X					X		ICNMHN 95, 95a
<i>Cichlasoma orinocense</i> Kullander, 1983	X				X				ANSP 127364, 127364, 127397; FMNH 84008; ?NRM 39282
<i>Cichlasoma ornatum</i> Regan, 1905							X		Mojica <i>et al.</i> 2004, Ortega-Lara <i>et al.</i> 2006b
<i>Cichlasoma taenia</i> (Bennett, 1831)					X				Lasso <i>et al.</i> 2004
<i>Crenicara punctulatum</i> (Günther, 1863)				X					Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Crenicichla alta</i> Eigenmann, 1912				X	X				Lasso <i>et al.</i> 2004, Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006, Maldonado-Ocampo <i>et al.</i> 2006b
<i>Crenicichla anthurus</i> Cope, 1872				X	X				Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006, Ortega <i>et al.</i> 2006, Galvis <i>et al.</i> 2007ab
<i>Crenicichla geayi</i> Pellegrin, 1903					X				Lasso <i>et al.</i> 2004
<i>Crenicichla johanna</i> Heckel, 1840				X	X				Lasso <i>et al.</i> 2004, Maldonado-Ocampo 2004, Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006, Maldonado-Ocampo <i>et al.</i> 2006b, Ortega <i>et al.</i> 2006
<i>Crenicichla lenticulata</i> Heckel, 1840				X	X				Lasso <i>et al.</i> 2004, Maldonado-Ocampo 2004, Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006, Maldonado-Ocampo <i>et al.</i> 2006b
<i>Crenicichla lugubris</i> Heckel, 1840				X	X				Lasso <i>et al.</i> 2004, Maldonado-Ocampo 2004, Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006, Maldonado-Ocampo <i>et al.</i> 2006b, Ortega <i>et al.</i> 2006
<i>Crenicichla</i> cf. <i>macrophthalma</i> Heckel, 1840					X				Lasso <i>et al.</i> 2004

Taxa	DC	EN	CT	Amz	Ori	Mag-Cauc	Pac	Car	Collections/References
<i>Crenicichla proteus</i> Cope, 1872				X					Ortega <i>et al.</i> 2006
<i>Crenicichla reticulata</i> (Heckel, 1840)					X				Lasso <i>et al.</i> 2004
<i>Crenicichla saxatilis</i> (Linnaeus, 1758)				X	X				Lasso <i>et al.</i> 2004, Maldonado-Ocampo 2004, Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006, Maldonado-Ocampo <i>et al.</i> 2006b, Ortega <i>et al.</i> 2006
<i>Crenicichla strigata</i> Günther, 1862				X					Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Crenicichla sveni</i> Ploeg, 1991	X				X				RMNH 31622, 31623; ZMA 120388
<i>Crenicichla vittata</i> Heckel, 1840				X					Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Crenicichla wallacii</i> Regan, 1905				X	X				Lasso <i>et al.</i> 2004, Galvis <i>et al.</i> 2007b
<i>Dicrossus filamentosus</i> (Ladiges, 1958)					X				Lasso <i>et al.</i> 2004, Maldonado-Ocampo 2004, Maldonado-Ocampo <i>et al.</i> 2006b
<i>Dicrossus gladicauda</i> Schindler & Staeck, 2008	X	X			X				MTDF 31312, 33313-18
<i>Dicrossus maculatus</i> Steindachner, 1875					X				Galvis <i>et al.</i> 2007a
<i>Geophagus abalios</i> López-Fernández & Taphorn, 2004				X	X				Lasso <i>et al.</i> 2004, Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Geophagus brasiliensis</i> (Quoy & Gaimard, 1824)				X					Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Geophagus crassilabris</i> Steindachner, 1876							X		Mojica <i>et al.</i> 2004
<i>Geophagus dicrozoster</i> López-Fernández & Taphorn, 2004					X				Lasso <i>et al.</i> 2004, Maldonado-Ocampo <i>et al.</i> 2006b
<i>Geophagus megasema</i> Heckel, 1840				X					Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Geophagus pellegrini</i> Regan, 1912	X	X					X	X	BMNH 1910.4.11.89, 1910.7 [or 4].11.90; MNHN 1912-0061 [ex BMNH]
<i>Geophagus steindachneri</i> Eigenmann & Hildebrand, 1910	X					X		X	NMW 23289-90
<i>Geophagus surinamensis</i> (Bloch, 1791)				X					Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006, Ortega <i>et al.</i> 2006
<i>Geophagus taeniopareius</i> Kullander & Royero, 1992					X				Lasso <i>et al.</i> 2004, Maldonado-Ocampo <i>et al.</i> 2006b
<i>Geophagus winemilleri</i> López-Fernández & Taphorn, 2004				X	X				Lasso <i>et al.</i> 2004, Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Heroina isonycterina</i> Kullander, 1996				X					Bogotá-Gregory & Maldonado-Ocampo 2006

Taxa	DC	EN	CT	Amz	Ori	Mag-Cauc	Pac	Car	Collections/References
<i>Heros efasciatus</i> Heckel, 1840				X					Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006, Ortega <i>et al.</i> 2006
<i>Heros severus</i> Heckel, 1840				X	X				Lasso <i>et al.</i> 2004, Bogotá-Gregory & Maldonado-Ocampo 2006, Maldonado-Ocampo <i>et al.</i> 2006b, Ortega <i>et al.</i> 2006
<i>Hoplarchus psittacus</i> (Heckel, 1840)				X	X				Lasso <i>et al.</i> 2004, Bogotá-Gregory & Maldonado-Ocampo 2006, Maldonado-Ocampo <i>et al.</i> 2006b
<i>Hypselecara coryphaenoides</i> (Heckel, 1840)				X	X				Lasso <i>et al.</i> 2004, Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Hypselecara temporalis</i> (Günther, 1862)				X					Bogotá-Gregory & Maldonado-Ocampo 2006, Ortega <i>et al.</i> 2006
<i>Laetacara flavilabris</i> (Cope, 1870)				X					Bogotá-Gregory & Maldonado-Ocampo 2006, Ortega <i>et al.</i> 2006
<i>Laetacara thayeri</i> (Steindachner, 1875)				X					Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Mesonauta egregius</i> Kullander & Silvergrip, 1991	X	X			X				ICNMNH 1686 [ex NRM 43043]; FMNH 92863; NRM 11302, 12280
<i>Mesonauta festivus</i> (Heckel, 1840)				X					Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Mesonauta insignis</i> (Heckel, 1840)				X	X				Lasso <i>et al.</i> 2004, Bogotá-Gregory & Maldonado-Ocampo 2006, Maldonado-Ocampo <i>et al.</i> 2006b, Ortega <i>et al.</i> 2006
<i>Mesonauta mirificus</i> Kullander & Silvergrip, 1991				X					Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006, Ortega <i>et al.</i> 2006
<i>Mikrogeophagus altispinosus</i> (Haseman, 1911)				X					Galvis <i>et al.</i> 2007b
<i>Mikrogeophagus ramirezi</i> (Myers & Harry, 1948)					X				Lasso <i>et al.</i> 2004
<i>Pterophyllum altum</i> Pellegrin, 1903					X				Lasso <i>et al.</i> 2004, Maldonado-Ocampo <i>et al.</i> 2006b
<i>Pterophyllum leopoldi</i> (Gose, 1963)				X					Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Pterophyllum scalare</i> (Schultze, 1823)				X					Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006, Ortega <i>et al.</i> 2006
<i>Satanoperca acuticeps</i> (Heckel, 1840)				X					Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Satanoperca daemon</i> (Heckel, 1840)				X	X				Lasso <i>et al.</i> 2004, Bogotá-Gregory & Maldonado-Ocampo 2006, Maldonado-Ocampo <i>et al.</i> 2006b
<i>Satanoperca jurupari</i> (Heckel, 1840)				X					Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006, Ortega <i>et al.</i> 2006



Taxa	DC	EN	CT	Amz	Ori	Mag-Cauc	Pac	Car	Collections/References
<i>Satanoperca leucosticta</i> (Müller & Troschel, 1849)					X				Lasso <i>et al.</i> 2004
<i>Satanoperca mapiritensis</i> (Fernández-Yépez, 1950)					X				Lasso <i>et al.</i> 2004
<i>Satanoperca pappaterra</i> (Heckel, 1840)				X					Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Symphysodon aequifasciatus</i> Pellegrin, 1904				X					Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006, Ortega <i>et al.</i> 2006
<i>Uaru amphiacanthoides</i> Heckel, 1840				X					Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006
<b>Eleotridae</b>									
<i>Microphilypnus amazonicus</i> Myers, 1927				X	X				Lasso <i>et al.</i> 2004, Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Microphilypnus ternetzi</i> Myers, 1927					X				Galvis <i>et al.</i> 2007a
<b>Pleuronectiformes</b>									
<b>Achiridae</b>									
<i>Achiropsis nattereri</i> Steindachner, 1876				X					Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Achirus achirus</i> (Linnaeus, 1758)				X					Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Achirus novoa</i> Cervigón, 1982					X				Lasso <i>et al.</i> 2004, Maldonado-Ocampo 2004, Maldonado-Ocampo <i>et al.</i> 2006b
<i>Apionichthys dumerili</i> Kaup, 1858				X					Bogotá-Gregory & Maldonado-Ocampo 2006
<i>Apionichthys menezesi</i> Ramos, 2003					X				Lasso <i>et al.</i> 2004
<i>Apionichthys sauli</i> Ramos, 2003	X	X			X				ANSP 176081, 163851-53, 163854, 163855-56; MZUSP 52055; UFPB 3596
<i>Hypoclinemus mentalis</i> (Günther, 1862)				X	X				Lasso <i>et al.</i> 2004, Maldonado-Ocampo 2004, Mojica <i>et al.</i> 2005, Bogotá-Gregory & Maldonado-Ocampo 2006, Maldonado-Ocampo <i>et al.</i> 2006b, Ortega <i>et al.</i> 2006
<b>Tetraodontiformes</b>									
<b>Tetraodontidae</b>									
<i>Colomesus asellus</i> (Müller & Troschel 1849)				X					Acero & Polanco 2006, Bogotá-Gregory & Maldonado-Ocampo 2006, Ortega <i>et al.</i> 2006

## Discussion

### Diversity and composition

As noted above, research has documented the presence of a total of 1435 species of fishes from the freshwaters of Colombia. Many of the newly described species originated in ichthyologically relatively poorly sampled regions of Colombia. Most prominent among these are the fishes of the Amazonian reaches of the country and to a lesser extent the more thoroughly sampled and studied fishes of the Río Orinoco basin. Notwithstanding more than two centuries of research on the fishes of the trans-Andean drainages, those river systems also continue to yield new species. Often unappreciated is the fact that many, indeed perhaps the majority, of Neotropical freshwater species described in recent decades were long represented, albeit unidentified or misidentified in the collections of museums, universities, and research centers. Amply exemplifying this problem are a series of freshwater fish species from Colombia described in this millennium (e.g., *Apteronotus eschmeyeri* de Santana, Maldonado-Ocampo, Severi & Mendes, 2004; *Apteronotus milesi* de Santana & Maldonado-Ocampo, 2005; *Cetopsis fimbriata* Vari, Ferraris & de Pinna, 2005; *Creagrutus calai*, Vari & Harold 2001; *Cruciglanis pacifici*, Ortega-Lara & Lehmann 2006; *Gymnotus choco* and *G. henni* Albert, Crampton & Maldonado, 2003; *Megalonema orixanthum* Lundberg & Dahdul 2008; *Pseudobunocephalus lundbergi* Friel 2008; *Pseudoplaysitoma magdaleniatum*, *P. metaense* and *P. orinocoense* Buitrago-Suárez & Burr 2007). Dozens of other Colombian freshwater fish species as-of-yet unknown to science undoubtedly await discovery in the collections of museums and universities around the world.

Leaving aside for the present the possibly numerous fish species that remain undiscovered and/or undescribed from Colombian freshwaters, it is noteworthy that the 1435 species known from such habitats represent approximately 5% of the circa 28,400 valid species of fishes estimated to occur worldwide in both freshwater and marine environments (Nelson 2006). In and of itself, this percentage is striking, but the totality of Colombian freshwater fishes is all the more impressive when considered within the context of the diversity of fish species known to inhabit the streams, rivers, wetlands, and lakes across the breadth of Central and South America. Inhabiting those numerous drainage systems are somewhat less than 5000 recognized species (Reis *et al.* 2003; Species of Fishes). Therefore, the drainage systems of Colombia are home to approximately 29% of the fishes living in all the freshwater systems between the southern border of Mexico and the southern most portions of Argentina and Chile. Many areas within that broad realm are admittedly less hospitable for freshwater fishes than are most regions in Colombia (e.g., deserts of the trans-

Andean portions of Peru and Chile). Nonetheless, the fact that over one-quarter of all Neotropical freshwater fishes occur in Colombia is remarkable when one considers the size of the landmass of that country relative to the total area of Central and South America.

Particularly telling is the number of Colombian species considered within the context of the freshwater ichthyofaunas of adjoining regions (Table 3), more so when evaluated in terms of relative geographic areas. An obvious candidate for this comparison is Brazil, a country that borders Colombia, has to a large degree comparably broad ranges of continental aquatic habitats, and which had its freshwater fish fauna recently summarized. A recent compendium of the freshwater fishes of Brazil (Buckup *et al.* 2007) recognized approximately 2600 species in that country. Although the number of continental fish species known from Brazil (2600 species) is circa 1.9 times the number of species detailed in this study for Colombia (1435 species), the land expanse of Brazil is eight times larger than that of Colombia. Thus, on a per square kilometer basis, the freshwater fish fauna of Colombia is on the order of 4.3 times more speciose than that of Brazil. One must not read too much into this ratio in light of the numerous uncertainties involving the number of freshwater species resident in South America and the often-demonstrated major gaps in our knowledge of their actual geographic distributions. Nonetheless, this comparison highlights the species richness of the continental Colombian fish fauna even within the context of the South American freshwater fish ichthyofauna; the richest of any continent. Beyond the sheer number of species within Colombia relative to its

**Table 3.** Diversity of fishes of selected South American countries.

Country	# Species	Source
Brazil	2587	Buckup <i>et al.</i> 2007
Colombia	1435	This work
Venezuela*	1198	Lasso <i>et al.</i> 2004c
Peru***	1000	Ortega & Hidalgo 2008
Ecuador	706	Barriga 1991
Uruguay**	670	Nion <i>et al.</i> 2002
Bolivia	635	Ibisch & Merida 2003
Argentina	438	López & Miquilarena 2005
Chile	44	Habit <i>et al.</i> 2006

\*Include some euryhaline and marine forms. \*\* Include marine forms. \*\*\* Include exotic species

size, the diversity of major groups of fishes that contribute to that fauna is impressive, with these ranging from chondrichthyans to tetraodontiforms.

### Endemic species

The designations of endemic species in the present work (311 species), run the gamut of degrees of certainty. In some instances, we confidently consider these species as true endemics for Colombia based on recent comprehensive species-level analyses. Species that we can identify with certainty as limited to Colombia differ dramatically in the extent of their distributions within that country. At one extreme, we have forms with broad distributions through several rivers to the west of the Andean Cordilleras (e.g., *Prochilodus magdalenae* Steindachner, 1879, in the Ríos Atrato, Cauca, Magdalena, and Sinú). Yet other likely endemics occur in restricted portions of some of major river basins (e.g., *Callichthys fabricioi* Román-Valencia, Lehmann & Muñoz, 1999, *Genycharax tarpon* Eigenmann, 1912, *Parodon caliensis* Boulenger, 1895, and *Apteronotus magdalenensis* (Miles, 1945) within the Río Magdalena basin; *Spatuloricara atratoensis* Schultz, 1944, in the Río Atrato; *Malacoglanis gelatinosus* Myers & Weitzman, 1966, in the Río Caquetá; and *Apistoloricaria listrorhinos* Nijssen & Isbrücker, 1988, in the Río Meta). The last three of these species have not been collected since their original descriptions (Mojica *et al.* 2002). Finally, there are a number of Colombian endemic fish species with known distributions restricted to small rivers such as the Río Jurubidá of the Pacific versant [e.g., *Apteronotus jurubidae* and *Cetopsis jurubidae* (Fowler, 1944)].

More problematic, when it comes to the question of actual within country endemism, are species now known solely from Colombia, but that dwell in drainage basins that extend into the territory of other countries. Most significant in that regard are the Río Orinoco and Río Amazonas systems and the Lago Maracaibo basin. The ichthyofaunas in those major systems are far from well known; a generality that particularly applies to the Orinoco and Amazon basins, most notably the latter. Many often speciose genera in these basins are still poorly resolved taxonomically at the species level and with species distributions inadequately demarcated. In these instances, there is a distinct possibility that a species now known only from the Colombian portions of one of those basins actually has a distribution extending into Brazil, Ecuador, Peru, Venezuela or some combination of those countries (Amazon basin) or into Venezuela (Río Orinoco or Lago Maracaibo basins). Similarly, it is also possible that species now reported only from far northwestern Colombia (Río Atrato basin), might extend into Panama or beyond. Such trans-border distributions occur in some freshwater species analyzed in recent years

(e.g., *Ctenolucius beani*, Vari, 1995: fig. 26). In a comparable fashion, species that inhabit the coastal rivers of the Pacific slope of southwestern Colombia such as the Río Patia and Río Mira basins and sometimes more northerly basins will occasionally also occur in the drainages of Esmeraldas Province of northwestern Ecuador (e.g., *Pseudochalceus longianalis*, Géry, 1972; *Pseudocurimata lineopunctata*, Vari, 1989: fig. 26). Thus, when using the Checklist it is critical to keep in mind that citations of a species as being restricted to the freshwater systems of Colombia are often at best a tentative hypothesis based on the present incomplete knowledge of the freshwater fishes in the countries of northwestern South America. A prime example of the scale of the uncertainty is the recently reported occurrence of the very distinctive genus *Lepidosiren* Fitzinger, 1837 in the Orinoco basin (Bogotá-Gregory & Maldonado-Ocampo 2006b). Collecting efforts are necessary in the Río Tomo and adjoining regions in order to confirm the presence of this species in the Orinoco basin. At the same time, the literature is replete with erroneous citations of species from a country or region based on misidentifications or unfamiliarity with recent revisionary publications.

### Type localities

The preponderance of type locations within the trans-Andean regions of the country reflects the historical emphasis on exploration for fishes in that region, with that focus extending back to the colonial period (Humboldt 1805a,b). A likely primary factor accounting for this geographic focus was the greater accessibility to that portion of the country to ichthyological collectors during that era. This tendency to focus on the fishes of the rivers of the trans-Andean region continued past independence as evidenced by the Steindachner's publications (1878, 1880) on fishes of the Río Magdalena and Río Cauca basins. Eigenmann's collecting expeditions and the publications resulting from the fishes that he collected (1912, 1913, 1914a, 1914b, 1914c, 1917a,b, 1920a, 1920b, 1921, 1924) similarly largely focused on the regions west of the Cordillera Occidental. As would be expected from its geomorphological complexity, the trans-Andean regions has a proportionally high number of discrete river systems that are home to a high percentage of endemic species; a factor that further increases the number of species known from the western drainages.

Type localities for a number of species are inexact or in some instances incorrect, an issue that complicates the determination of species ranges. Resolution of the identity of various species is further complicated by type series that are in poor condition or in some instances unknown. The problem of lost type series of Colombian fishes is particularly prevalent among the species described by

Dahl and Miles. As discussed by Cala (1981) and apparent from the information in the Checklist, many type series of species described by those authors remain missing notwithstanding attempts to locate that material by Cala and other Colombian ichthyologists. It seems unlikely that these series are still extant other than for paratypes of some of Mile's species that he deposited in North American collections. Resolution of many systematic problems involving the affected nominal freshwater species, thus, necessitates the collection of new, preferably topotypic, samples in order that those nominal species can be thoroughly redescribed.

### Why so many species?

Many factors contribute to the relative richness of the Colombian fish fauna, with a few of likely major importance. Paramount among these is the large number of independent drainage systems that fall, at least in part, within the boundaries of the country. Not only does Colombia include within its borders the Río Magdalena, by far the largest river system of trans-Andean South America, but it also encompasses significant portions of several major cis-Andean drainage basins. Particularly prominent is the Amazon basin, with the mainstream Río Amazonas forming the boundary of the far southern reaches of Colombia. Equally important in terms of the contributions of that basin to the overall national fish fauna is the fact that the remaining Amazonian portions of Colombia encompass headwaters of both the western tributaries of the main Amazon River (Río Putumayo, Río Caquetá and its tributary Río Apaporis) and the Río Negro, the major northern tributary of the Amazon. The Río Putumayo and Río Caquetá differ to varying extents in the composition of their fish faunas from the Río Negro and its tributaries the Río Vaupés and Río Guainía and to degrees from the ichthyofauna of the mainstream Amazon. Thus, each of these river systems (Ríos Caquetá, Negro, and Putumayo) contributes many unique species to the totality of the Colombian freshwater fish fauna.

The more northerly portions of the eastern reaches of Colombia also include a major portion of the species rich Río Orinoco basin. The expanses of the Río Orinoco system include a diversity of habitat types and the basin has a complex geological history including a broad connection with the Río Amazonas system until the Miocene (Hoorn 1994; Hoorn *et al.* 1995). The tectonically driven separation of the Orinoco and Amazon presumably set the stage for the subsequent evolution of the significant differences in the composition of the ichthyofaunas in those basins. Although the species rich Río Orinoco is connected to the south-flowing Río Negro of the Amazon basin via the Río Casiquiare, the gradient in water types

within the mainstream of the Río Casiquiare serves as a semi-filter to ichthyofaunal exchange between the Orinoco and Amazon basins (Winemiller *et al.* 2008) with consequent differences in those faunas. As in apparent from Figure 1, the Colombian portions of the Río Orinoco include a complex of large river systems (Ríos Guaviare, Inírida, Meta, Arauca, Tomo, Tuparro). Some of these drain lower elevation regions of the Orinoco basin (e.g., Río Tomo) whereas others extend to the Andes (e.g., Río Guaviare). In a preliminary study, Lasso *et al.* (2004b) delimited 18 biogeographic regions within the Orinoco basin based on differences in the composition of the fish fauna. Of that total, nine regions fall within the Colombian portion of the Orinoco basin. The underlying differences in the ichthyofauna across that region in combination with geographical gradients, complex hydrology, and history contribute to the significant degree of species-level endemism in the Orinoco basin. That river system is consequently a major contributor to the total number of species in the Colombian ichthyofauna (Lasso *et al.* 2004a; Galvis *et al.* 2007a).

The final and smallest of the cis-Andean Colombian river systems is the Río Catatumbo that lies within the southwestern portion of the Lago Maracaibo basin. The fishes in the river systems of the Lago Maracaibo basin are all specifically distinct for those groups of fishes recently comprehensively revised. Notwithstanding its relatively small size, the Río Catatumbo, thus, contributes a number of species to the Colombian fish fauna.

The trans-Andean region of Colombia had a particularly complex geological history (Hoorn *et al.* 1995). Tectonic events associated with the uplift of the Andean cordilleras produced multiple now isolated trans-Andean river systems, albeit with differing levels of possible interconnectedness in the past. In size, these drainages range from the northern-flowing Río Magdalena, the largest drainage in trans-Andean South America, through intermediate sized rivers such as to Río Atrato, to the numerous smaller rivers and streams that drain the Pacific and Caribbean versants of Colombia.

Superimposed on the topographic changes in Colombia and adjoining regions were major shifts in climatic conditions through time (Baker *et al.* 2001). Shifts in climate resulted, in turn, in episodic expansions and contractions of habitat suitable for the different groups of fishes within the then extant drainage basins (Fernández & Schaefer 2005; Smith & Bermingham 2005). The synergy of these large-scale geomorphological and climatic factors set the stage for the evolution of the numerous species of fishes now that are endemic to varying geographic scales within the drainage basins of Colombia.

Further contributing to the species-level richness of the continental Colombian fish fauna is the diversity of water types in the drainages of the country. Underlying soil types varying in acidity, dissolved solids, and available nutrients result in often dramatically different water chemistries both between and within river basins. Major drainage system types include white water streams and rivers carrying significant suspended sediment loads eroded from the slopes of the Andes and piedmont uplands, various clear water drainages, and acidic blackwater rivers that course through and drain lowland rain forests. Many fish species are specialized physiologically and anatomically for life in particular water types; an association reflected in their geographic distributions. This results in major shifts in the composition of fish faunas at both the species and generic levels between rivers of different water types. Pronounced ranges in the relative fish biomass often parallel the differences in water types. These phenomena of varying community composition and relative biomass occur to differing degrees across the spectrum from major river systems (e.g., the black water Rio Negro, Goulding *et al.* 1988) to much more limited drainage scales, sometimes with variation even within smaller river basins (Arbeláez *et al.* 2008).

Soil types not only affect water chemistry and levels of suspended solids, but directly influence the form of the riparian vegetation (e.g., rainforest versus savanna) bordering water bodies; variation that, in turn, has consequences for the ichthyofauna. Alternative types of vegetation along margins of watercourses result in different degrees of shading, a factor affecting the presence versus absence of some species of fishes. Differing forms of riparian vegetation also determine the type and levels of allochthonous animal and plant items input into water bodies. Many species of fishes are specialized to exploit particular types of animals and plant matter that falls into streams and water bodies, with alternative food items leading to differences in fish community composition. Similarly, variation in the type of plants bordering a water body results in differences in substrates and subaquatic habitat complexity (leaves and woody detritus of differing scales; varying degrees of submerged parts of terrestrial plants along water margins) utilized by different species of fishes. Those allochthonous factors further contribute to differences in the composition of fish communities.

The range in topographic relief within Colombia results in pronounced differences in water conditions beyond water chemistry and is yet another factor contributing to the speciose nature of the freshwater ichthyofauna of the country. Numerous of the species of freshwater fishes in that fauna are specialized for the lentic water conditions common in the rivers, ciénagas (ponds and swamps), and

wetlands barely above sea level along the lower reaches of the streams and rivers draining the Caribbean and Pacific slopes of the country. Similar lentic systems are common in the llanos (floodplains) of the Río Orinoco basin and in Amazonian lowlands. Yet other species are adapted for life in the more rapidly flowing mid-elevation rivers and streams of the piedmonts of the Andean Cordilleras and isolated uplands such as the Sierra Nevada de Santa Marta and the Serranias de La Macarena and Chiribiquete. At the other extreme are dozens of species with the morphological, physiological, and behavioral adaptations prerequisite for dwelling in the swift-flowing Andean rivers and streams in the western, central, and eastern cordilleras (Maldonado-Ocampo *et al.* 2005) and the Sierra Nevada de Santa Marta. Differences in stream structure often correlate with elevational gradients and further influence the distribution of many species. The sum of the differences in velocity, water temperature, and primary productivity across the drainage systems of Colombia result in fish communities that differ not only in species-level richness and composition, but also in overall fish biomass.

### Future Directions

Neotropical ichthyology is a dynamic research field with the pace of formal descriptions of new species of freshwater fishes accelerating (over 80 new species described during 2007; Catalog of Fishes). Some of the new species described in recent years originated from locations within Colombia. In many other instances, the samples of the new nominal forms originated from portions of the Río Orinoco, Río Amazonas, and Lago Maracaibo basins variably proximate to the borders of Colombia. The distribution of many of these species likely extends into Colombia notwithstanding the present lack of records from that country.

Arriving at a definitive listing of the species of fishes inhabiting Colombian freshwaters is a long-term endeavor necessitating progress along two primary fronts. Attaining that goal first requires a thorough sampling of all continental aquatic systems in Colombia. Various freshwater systems in Colombia, particularly in the vast cis-Andean region remain inadequately collected ichthyologically. Nonetheless, we must not lose sight of the fact that even river systems that have been long the foci of ichthyological sampling continue to yield new species of fishes. Equally, or more, critical for arriving at an approximation of the species-level diversity are comprehensive revisionary studies encompassing all genera and families living in Colombian and indeed Neotropical freshwaters (Vari & Malabarba 1998). Recent comprehensive species-level analyses have demonstrated that forms previously believed to have broad geographic distributions in Colombia and adjoining countries are in many instances instead multi-species complexes (e.g.,

the multiple species in what was previously recognized as *Creagrutus beni* Vari & Harold 2001: 78). Revisionary studies on that scale furthermore often reveal that long recognized species sometimes dramatically underestimate the actual number of species present in a genus. One example involves the 67 now recognized species of *Creagrutus*; a number three and one-half times the 19 species recognized in the genus prior to 1994 (Harold & Vari 1994; Vari & Harold 2001; Vari & Lima 2003; Ribeiro *et al.* 2004; Torres-Mejía & Vari 2005). Comprehensive revisions are also invaluable in furthering the identification of additional previously unrecognized species by subsequent researchers (Reis 2004); a phenomenon illustrated for Colombia by *Creagrutus* (Torres-Mejía & Vari 2005).

### Conservation challenges

Any compendium of the ichthyofauna of any major region in the Neotropics will at present underestimate the actual species-level diversity. The degree to which the count of freshwater fish species in this Checklist falls short of the actual total is impossible to estimate given the dramatically speciose nature of the fish fauna, most of which has yet-to-be critically analyzed. Compounding the problem are the major regions of the country and specialized habitats (e.g., deep river channels) that remain unexplored ichthyologically to varying degrees. Notwithstanding those limitations, the evidence at hand demonstrates that many of the fish species reported from the rivers, streams, wetlands, and lakes of Colombia are threatened to varying degrees, a pervasive problem for freshwater ichthyofaunas world-wide (Millennium Ecosystem Assessment 2005; Revenga *et al.* 2005). Indeed, the evidence documents that freshwater fishes are the most threatened group of vertebrates across the world (Dudgeon *et al.* 2005; Chapman *et al.* 2008). Deleterious anthropogenic activities impacting the Colombian freshwater ichthyofauna include overfishing for human consumption and the aquarium trade, introductions of exotic species, movement of native

species between separate drainage systems, pollution from diverse sources, impoundments, mining activities either directly in river channels or causing increased siltation, diversion of water for agricultural, domestic, and industrial purposes, deforestation with consequent changes in annual flow patterns and water quality within drainage basins, and numerous other smaller scale impacts.

Incomplete data hampers our efforts to estimate the true scale of these anthropogenic impacts at both local and national scales. Nonetheless, available information indicates that some Colombian fish species have gone extinct (*Rhizosomichthys totae*, Mojica *et al.* 2002; *Trichomycterus venulosus*, Prada-Pedrerros *et al.* 2006; *Notarius bonillai*, Acero & Betancur 2006) and that many are threatened (Mojica *et al.* 2002). Many threatened species had historically limited geographic ranges and likely smaller populations, factors that increased their vulnerability to habitat modification, fisheries, and other deleterious human activities. Alternatively, anthropogenic activities adversely affected other endangered species notwithstanding their originally extensive populations and relatively broad distributional ranges (see Mojica *et al.* 2002).

An understanding of the diversity of the freshwater ichthyofauna of Colombia is crucial so that scientists, policy makers, resources managers, and members of the public can better evaluate the impact of man's activities on the freshwater fishes within the country. Although still incomplete, this Checklist provides as a baseline for continuing studies of Colombian inland fishes. Future research will result in additions to, and refinements of, our knowledge of that species-level diversity of that fauna, major components of which remain poorly understood or in many instances unknown. This listing will also provide the foundation for additional studies of all aspects of the ecology, life history, conservation, and sustainable use of the freshwater ichthyofauna of Colombia.

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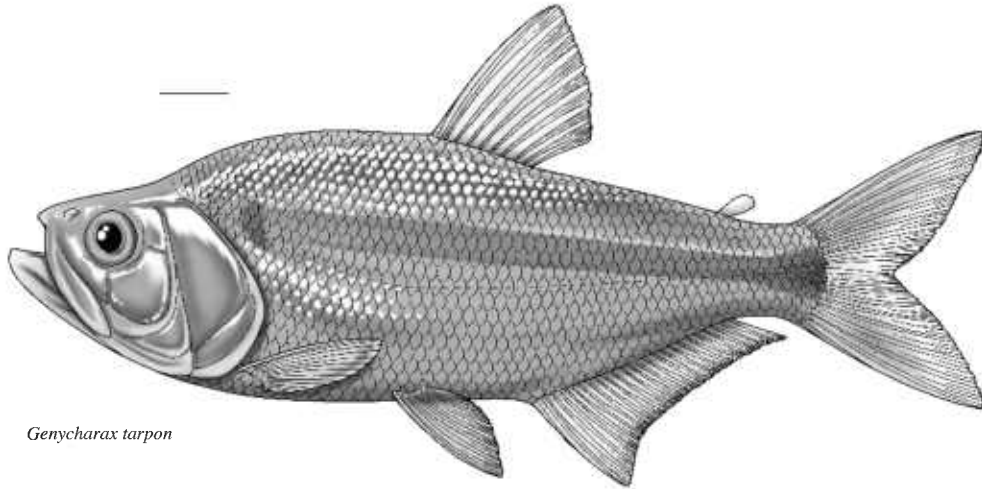
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