



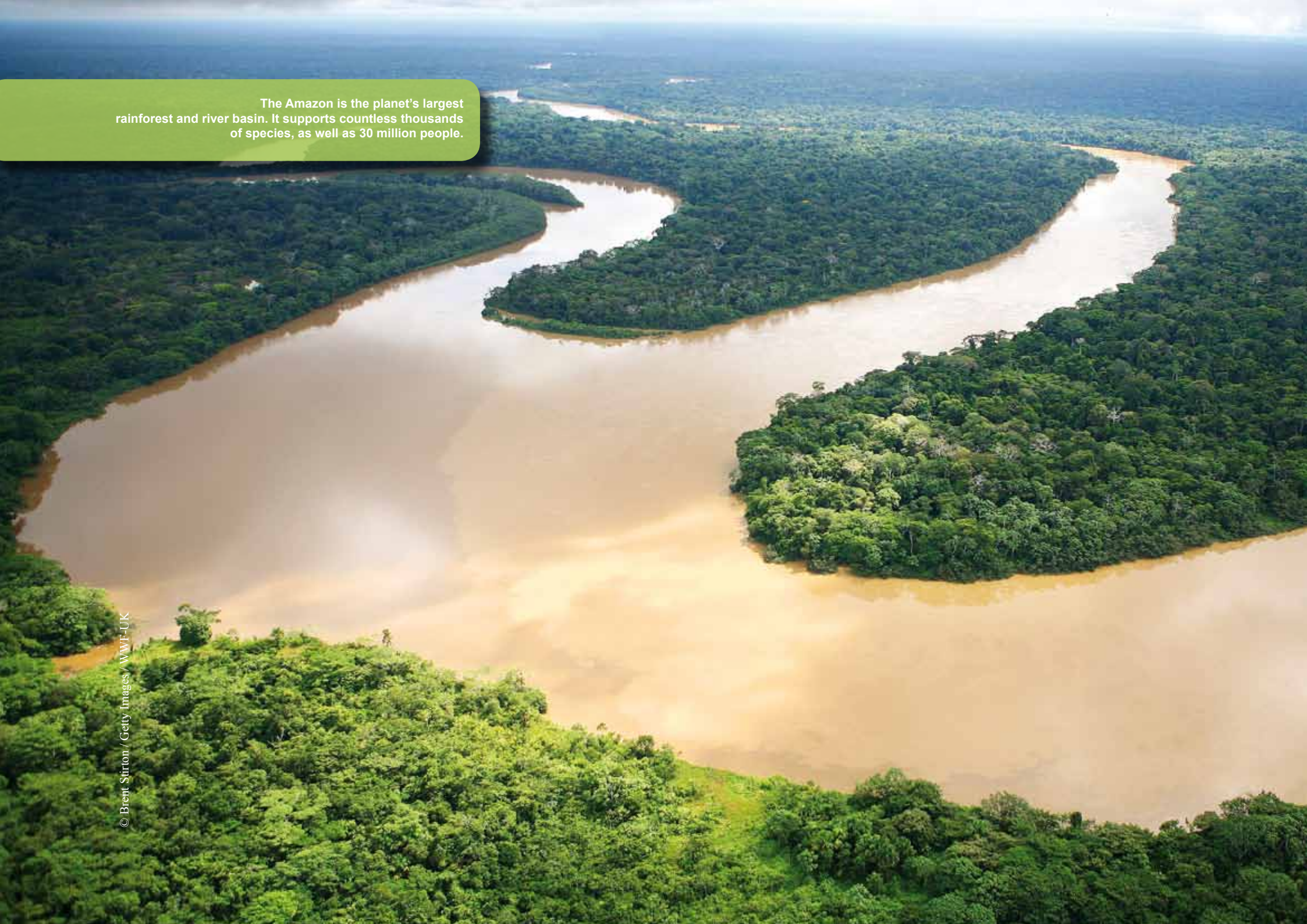
for a living planet



Amazon Alive!

A decade of discovery 1999-2009

The Amazon is the planet's largest rainforest and river basin. It supports countless thousands of species, as well as 30 million people.





The Amazon is the largest rainforest on Earth. It's famed for its unrivalled biological diversity, with wildlife that includes jaguars, river dolphins, manatees, giant otters, capybaras, harpy eagles, anacondas and piranhas.

The many unique habitats in this globally significant region conceal a wealth of hidden species, which scientists continue to discover at an incredible rate.

Between 1999 and 2009, at least 1,200 new species of plants and vertebrates have been discovered in the Amazon biome (see page 6 for a map showing the extent of the region that this spans). The new species include 637 plants, 257 fish, 216 amphibians, 55 reptiles, 16 birds and 39 mammals. In addition, thousands of new invertebrate species have been uncovered. Owing to the sheer number of the latter, these are not covered in detail by this report.

This report has tried to be comprehensive in its listing of new plants and vertebrates described from the Amazon biome in the last decade. But for the largest groups of life on Earth, such as invertebrates, such lists do not exist – so the number of new species presented here is no doubt an underestimate.

Cover image: *Ranitomeya benedicta*, new poison frog species © Evan Twomey

Foreword

*Ahmed Djoghlaif,
Executive Secretary,
Convention on Biological Diversity*

The vital importance of the Amazon rainforest is well known. As the largest tract of tropical rainforest in the world, the region has unparalleled biodiversity. It harbours one in 10 known species in the world and one in five of all birds. The Amazon rainforest supports the highest diversity of plant species on Earth: depending where you are, you can find from 150 to 900 individual trees per hectare. The Amazon is also home to a diverse array of indigenous communities, and its rich natural resources base provides a source of livelihoods for many both within and outside the region.

However, this treasure trove of our planet has not escaped the gigantic appetite of unsustainable development. At least 17% of the Amazon forest has been destroyed, and much more is severely threatened as the destruction continues. In the words of the respected Amazon ecologist Dan Nepstad, "The Amazon is a canary in a coalmine for the Earth."

The loss of tropical rainforest has a profound and devastating impact on the world because rainforests are so biologically diverse. The 1,220 new species in this report illustrate the richness of biodiversity found in this the world's largest rainforest and river basin, and also how much there is still to learn about this incredible biome.

Many scientific explorers have ventured deep into the unknown and spectacular reaches of the Amazon and have made significant contributions to increasing our knowledge of Amazonia. However,

very basic work on the natural history of the Amazon is still being conducted due to the current lack of knowledge. The surface of the Amazon has only been scratched and there is much that remains unknown to scientists. The scientific world is only just realising what indigenous people in the Amazon have known for centuries: that many ancestral cultures still alive in the Amazon have a deep knowledge of the riches of the region; and that this knowledge may prove to be essential for the success of future efforts to preserve it.

In the face of increasing human pressure on the planet's resources, an effective protected area system is vital for conserving ecosystems, habitats and species. The Convention on Biological Diversity (CBD)'s programme of work on protected areas (www.cbd.int/protected) provides a blueprint on how to establish protected areas, how to manage them, how to govern them, and what tools can be used to achieve the planned work. It charts the way forward in detail and with clear targets. The end result will be protected areas that fulfil their key role of conserving in situ biodiversity of the world. It is a framework for cooperation between governments, donors, NGOs and local people – without such collaboration projects cannot be sustainable over the long term.

On this note, the Secretariat of the CBD would like to congratulate WWF for supporting the Latin American Network of Protected Areas (REDPARQUES) by promoting a regional dialogue and vision for the Amazon to implement the CBD programme of work on protected areas.



The need for conserving the Amazon cannot be better expressed than in the words of Chico Mendes, the Brazilian rubber tapper and environmental activist: "At first, I thought I was fighting to save rubber trees. Then, I thought I was fighting to save the Amazon rainforests. Now, I realise I am fighting for humanity."

Today, when the world is reeling under the threat of climate change, conserving large intact tracts of tropical rainforests assumes paramount importance, not only for the people of the Amazon countries, but for all the individuals of the world. In this the International Year for Biodiversity, a shift in the paradigm of development must begin, with utmost urgency, to safeguard the Amazon biome's functionality and its incredible biodiversity.

Preface

Nowhere else on Earth is the web of life as tangled and lush as in the Amazon region. Here, the planet's largest river basin is a massive, life-giving system for the world's most extensive and diverse tropical rainforest. For millennia, indigenous people have relied on the region's environmental services and natural resources which, as this report shows, we're still striving to fully comprehend.

The Amazon's natural wealth is beyond superlatives. And the significant volume of recent findings we present here shows that we're still learning about the full extent of its diversity. Between 1999 and 2009, more than 1,200 new species of plants and vertebrates were discovered in the Amazon region. That's a rate of one new discovery every three days – before we even consider invertebrates.

This report introduces new species from eight countries plus one overseas territory. Fabulous findings include a surrealistic blind red fish; a coin-sized, pink-ringed dart frog; a 4m-long new species of anaconda; a floor-dwelling, blue-fanged tarantula; and a bald parrot. The discoveries add to our appreciation of the immense value of the Amazon.

Unfortunately, research is revealing that many Amazon species are under grave threat, even as we unearth them. For instance, the discovery of one of the smallest species of tree porcupine ever recorded was made during wildlife rescue efforts at a hydropower dam site in the Amazon.

People have inhabited the Amazon for over 11,000 years. Yet it's in just the last 50 years that humankind has caused the destruction of at least 17% of the Amazon rainforest. Most of the region remains fairly undisturbed, but the threats to it are considerable. Inappropriate development models, rapid regional economical growth, increasing energy demands, and unsustainable agribusiness market trends are all impacting on the Amazon at an exponential rate. Climate change, too, is compounding the problems.

For over 40 years, WWF has been instrumental in safeguarding the Amazon. We've supported the establishment of iconic protected areas such as Manu National Park, Guiana Amazonian Park, Jaú National Park, Mamirauá Sustainable Development Reserve and Montanhas do Tumucumaque National Park. These have been the starting point for some of the most important conservation efforts in the region, including initiatives such as the Amazon Region Protected Areas programme.

Other examples of WWF conservation efforts in the Amazon include our work with local communities to establish sustainable fisheries management in the Brazilian Varzeas. We've assisted indigenous communities in their battle against oil exploitation contamination in the Amazonian wetlands of northern Peru. And we've promoted certified timber production in Peru, Bolivia and Guyana.

However, despite this progress, the degradation continues. So, the approach that WWF and our partners take to conservation continues to evolve to

*Francisco José Ruiz Marmolejo,
Leader,
Living Amazon Initiative, WWF*



face increasing threats, and to ensure ever-larger areas are protected.

Today, we're bringing to bear our experience of more than 40 years of conservation work, under our Living Amazon initiative. We're promoting sustainable development across all countries in the Amazon. We're building alliances among local people, national and regional authorities and the private sector. And we're seeking to ensure that the vital environmental and cultural contributions the Amazon makes locally, regionally and globally are maintained sustainably, in a way that's fair to people who live there.

The Amazon helps to support life as we know it. Now it is in our hands to safeguard the Amazon, its amazing diversity of species, and the immeasurable services it provides to us all.

Executive summary



The Amazon is one of the most diverse regions on Earth. This fact has been supported not least by the extraordinary wealth of new species discovered there between 1999 and 2009. Many of the discoveries have been made in the growing network of protected areas being established in the region.

Some 1,200 new species of plants and vertebrates were discovered in the Amazon biome in this period. This is a greater number than the combined total of new species discovered over a similar 10-year period in other areas of high biological diversity – including Borneo, the Congo Basin and the Eastern Himalayas. The new discoveries illustrate the extent of the amazing biodiversity found in the world's largest rainforest and river basin. They also show how much there is still to learn about this incredible place. And of course, this report would not be possible without the professionalism and dedication of dozens of local and international scientists and research supporters.

This report celebrates the unique and fascinating species that can be found in the Amazon – a region that spans eight South American countries and one overseas territory, and is home to 30 million people. The report also highlights many vital habitats that face growing pressures as a consequence of unsustainable development. The Amazon still contains around 83% of its original habitat, but a disastrous combination of threats is increasingly eroding the Amazon's connectivity. And numerous endemic species are subjected to waves of resource exploitation. After centuries of limited human disturbance, at least 17% of the forests of the Amazon have been destroyed in just 50 years.

The main cause of this transformation is rapid expansion in regional and global markets for meat, soy and biofuels. These have increased demand for land.

Large-scale transportation and energy infrastructure projects, coupled with poor planning, weak governance and the lack of an integrated vision of sustainable development for the Amazon are also contributing to deforestation and degradation of forest and freshwater habitats. They're also increasing pressure on the Amazon's natural resources and environmental services, on which millions of people depend.

Increased temperatures and decreased precipitation caused by climate change will exacerbate these trends. They could lead to a 'tipping point' where the tropical moist forest ecosystem collapses. The implications of this massive ecosystem shift for biodiversity, global climate and human livelihoods would be profound. The Amazon's forests store 90-140 billion tonnes of carbon.

Releasing even a portion of this would accelerate global warming significantly. In addition to 30 million people, one in 10 known species on Earth live here. They all depend on the Amazon's resources and services. So do many millions more, in North America and Europe, who are still within the Amazon's far-reaching climatologic influence¹.

The Amazon provides life-giving natural resources and services, and is a source of livelihood for many within and outside the region. But the fate of the region depends on a significant shift in the current way development is embraced by Amazon countries. It's vital that the Amazon is sustainably managed as one functioning whole. A desire to safeguard the biome's functionality for the common good must become the core business of the Amazon nations.

Responsible stewardship of the Amazon is critical, not least because of the role the region plays in the fight against global climate change. In this sense, it is in the long-term self interest of individuals and societies across the globe to keep an ecologically healthy Amazon that maintains its environmental and cultural contribution to local peoples, the countries of the region, and the world, within a framework of social equity, inclusive economic development and global responsibility.

Through our Living Amazon initiative, WWF works with national and regional stakeholders from all nine Amazon countries to create the high-level conditions that will enable the conservation and sustainable development of the Amazon.

As part of our initiative, WWF together with the IUCN, Amazon Cooperation Treaty Organisation and the Secretariat for the Convention of Biological Diversity and others are supporting the Latin American Technical Cooperation Network on National Parks, other Protected Areas and Wildlife (REDPARQUES) in building a conservation vision for the Amazon. This vision will build on the conservation strategies and protected area systems in each of the Amazon countries. It will help to meet commitments under the UN's Convention on Biological Diversity – in particular, its work on protected areas. In the Amazon, the whole is more than the sum of its parts, and the development of a vision for conservation will help maintain the integrity and functionality of the Amazon region – and its resilience to growing threats, particularly climate change.



Bluefang spider (*Epebopus cyanognathus*)

© Peter Conheim

The Amazon Biome



The largest rainforest and river basin in the world, and home to one in 10 known species on Earth.

Pacific Ocean

Atlantic Ocean

Geography

The Amazon contains the planet's largest remaining rainforest, which has an unparalleled diversity of species and habitats. It is unrivalled in scale and complexity, and its importance is world renowned.

The region spans 6.7 million sq km across Bolivia, Brazil, Colombia, Ecuador, French Guiana, Guyana, Peru, Suriname and Venezuela. It is dominated by moist dense tropical forest, but also encompasses several other unique habitat types – such as montane forests, lowland forests, floodplain forests, grasslands, swamps, bamboos and palm forests.

This rainforest brings rain showers and freshwater to cities and farms across South America. Spreading over an area 50% larger than the European Union's 27 countries, the Amazon rainforest is so large that it helps to keep the global climate in balance.

Not only does the Amazon contain almost half the world's remaining rainforest but also the largest river basin on Earth. The Amazon river flows east, and empties into the Atlantic Ocean. This river basin is contained by the Guiana shield or highlands to the north, the central Brazilian shield or plateau to the south, and the Andes to the west. The Amazon is by far the world's largest river in terms of the volume of water it discharges into the sea. At an average of approximately 219,000 cubic metres per second, it represents 15-16% of the world's total river discharge into the oceans. Just two hours of its flow could meet the freshwater needs of New York City's 7.5 million residents for a whole year².

The river system is the lifeline of the rainforest, and it has played an important part in the development of its people. More than 30 million people live across the region, and over 280 different languages are spoken here. About 9% (2.7 million people) of the Amazon's population is made up of more than 320 indigenous groups, 60 of which still remain largely uncontacted or are living in voluntary isolation³. The identities and traditions of people, their customs, lifestyles and livelihoods have been shaped by their environment, and they remain deeply dependent on the Amazon in spite of becoming increasingly integrated into the national and world economies.

¹ Endemic refers to a species that is exclusively native to a specific place and found nowhere else. For example, the kiwi is a bird endemic to New Zealand.

Biodiversity

The Amazon's unparalleled wealth of terrestrial and aquatic biodiversity conjures some of the most powerful images of what nature can offer. The Amazon houses a staggering 10% of the world's known biodiversity, including endemic¹ and endangered flora and fauna.

The Amazon sustains the world's richest diversity of birds, freshwater fish and butterflies. It is the world's last refuge for threatened species such as harpy eagles and pink river dolphins. Here, too, there are jaguars, giant otters, scarlet macaws, southern two-toed sloths, pygmy marmosets, saddleback and emperor tamarins, Goeldi's monkeys and howler monkeys. More species of primates can be found here than anywhere else.

Such is the Amazon's immense biological wealth that it incorporates elements of 56 Global 200 Ecoregions, landscapes of international importance, either completely or partially⁴. In addition, six natural UNESCO World Heritage Sites⁵ and over 10 Endemic Bird Areas⁶ can be found here. The region consists of over 600 different types of terrestrial and freshwater habitats.

A considerable number of the world's plants and animals live in the Amazon. To date, at least 40,000 plant species have been found here⁷, with 75% of its plants being endemic to the region. In addition, by 2005, 427 mammals, 1,300 birds, 378 reptiles, more than 400 amphibians, and at least 3,000 species of fish had been scientifically classified in the region⁸. This is the largest number of freshwater fish species in the world. The same can almost certainly be said for invertebrates. In approximately five hectares of Amazon rainforest, 365 species from 68 genera of ants were found⁹.

The extent of many of the unique habitats, and the inaccessibility of much of the vast Amazon region has also hidden many species from scientific discovery.

1,200 New species discoveries



Introduction

Humans have lived in the Amazon region for over 11,000 years¹⁰. But it was not until the 16th century that the Amazon river was first navigated by a Spanish explorer and conquistador, Don Francisco de Orellana (1511-1546). In search of vast forests of cinnamon and the fabled city of gold, El Dorado, Orellana left Quito, Ecuador in February 1541. The expedition found neither cinnamon nor gold, but rather the greatest river on Earth – arriving at the junction of the Napo and the Amazon on 11 February 1542. Orellana named the ‘newly-discovered’ river the Rio de Orellana, a name that would later be abandoned in favour of the more familiar Rio Amazonas, named after the mythical tribe of warrior women.

It was a great many years before another Amazon expedition – the first to travel all the way upriver. In 1637-38, the first detailed information about the Amazon and its natural history and people was recorded by Father Cristobal de Acuña, who travelled as part of a large expedition led by the Portuguese general Pedro Teixeira. He noted amazingly precise data on the length and size of the Amazon, and the topography of its course, with detailed descriptions of the flooded forest areas along the river, the farming systems and crops of the indigenous people, and aquatic fauna.

The first ‘modern’ scientific exploration of the Amazon region was by Alexander von Humboldt and Aimé Jacques Goujaud Bonpland, who would prove the existence of a water connection between the Amazon and Orinoco river systems. After von Humboldt, a number of scientific explorers and adventurers came – including von Spix and von Martius, who made huge botanical and zoological collections in the Brazilian Amazon in 1817-1820. Henry William Bates, who spent 11 years in the interior of Amazonia, amassed the single largest collection of insects ever made by one individual in the region, collecting nearly 15,000 species, about 8,000 of which were new to science.

Protected areas

Increases in the coverage of the Amazon protected area network, and with it the securing of important habitats, ecosystems, and biological diversity, have certainly aided scientists in their discoveries of new species.

One of the most high-profile protected areas is Tumucumaque Mountains National Park, established in 2002. The park’s borders were strategically designed to protect its high biodiversity and were conceived by WWF and IBAMA (the Brazilian Institute of Environment and Renewable Natural Resources), under the guidance of Brazil’s Ministry of the Environment. At 38,800 sq km, the park is the world’s largest tropical forest national park – equivalent in size to Switzerland. Threatened species there include jaguars and harpy eagles, animals that require large areas of rainforest for their survival.

With support from the Amazon Region Protected Areas (ARPA) programme, by the end of 2009 a total of 25 million hectares of new protected areas had been created in the Brazilian Amazon, more than doubling the area under protection prior to the programme’s initiation.

The park’s designation was the first success of the ARPA programme, which is securing long-term protection for some of the Amazon’s most important biological and ecological features in a system of well-managed parks and reserves. In protecting key portions of the Amazon forest, ARPA is also providing security to numerous local communities that depend on the forest, while protecting an amazing range of bird, mammal, fish, reptile and amphibian species. It is expected that ARPA will eventually support the establishment and effective management of 60 million hectares (600,000 sq km) of protected areas in the Brazilian Amazon.



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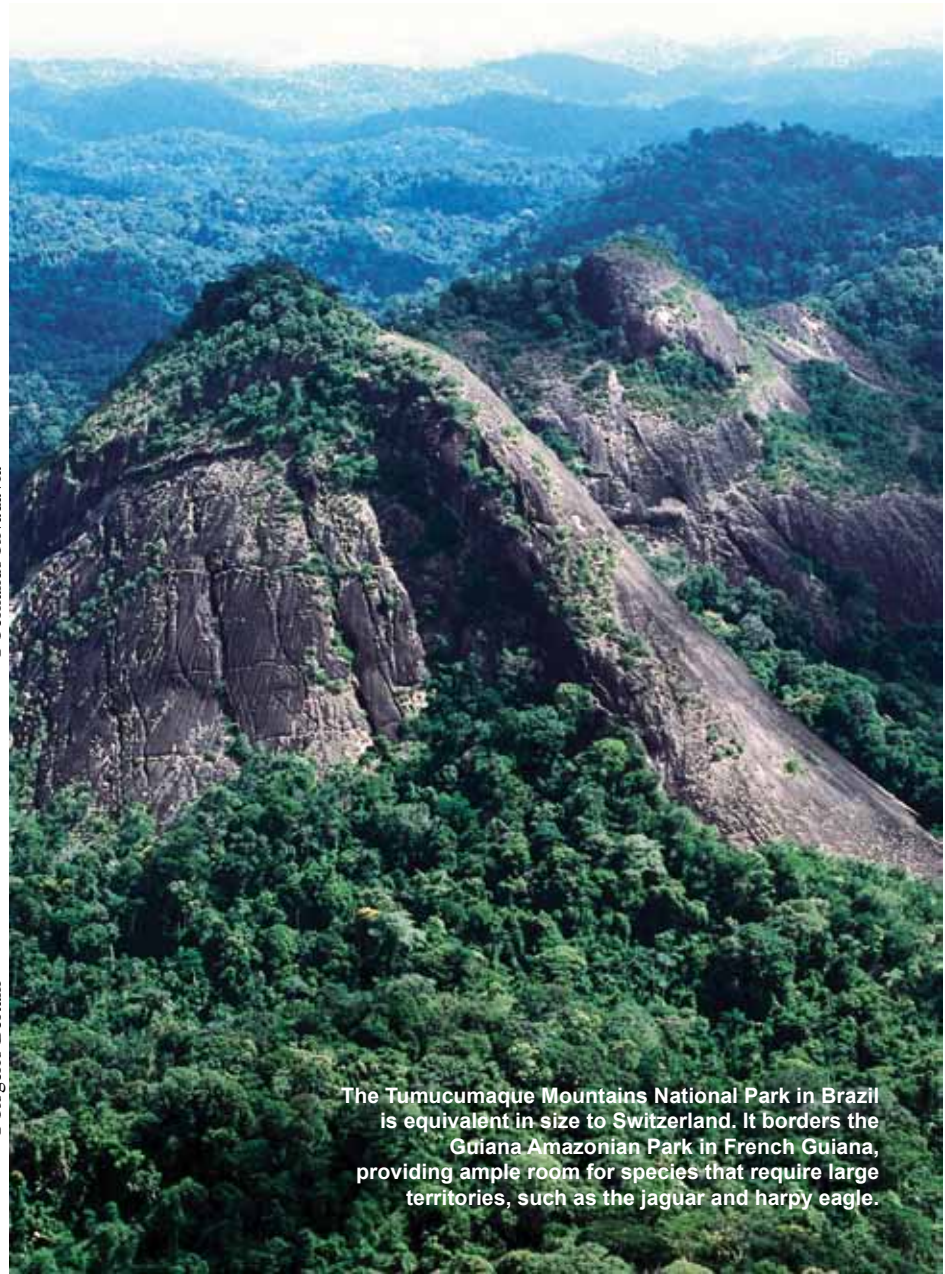


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1a. *Drosera amazonica* (Amazon sundew)
 1b. *Ameerega pepperi*
 1c. *Cyriocosmus nogueiranetoi*



The Tumucumaque Mountains National Park in Brazil is equivalent in size to Switzerland. It borders the Guiana Amazonian Park in French Guiana, providing ample room for species that require large territories, such as the jaguar and harpy eagle.

© Kitt Nascimento

Atractus tamessari (male)



Ecuador's Yasuni National Park has possibly the highest biological diversity in the world. Manu National Park in Peru, a UNESCO World Heritage Site, is home to 850 species of birds, and protects 10% of plant species on Earth. A single hectare of rainforest in Manu can shelter more than 220 species of trees, whereas in Europe and North America a hectare of temperate woodland might have only 20 species of trees.

It is in parks such as these that scientists have been able to further explore the wild and beautiful rainforest and the real extent of the biodiversity found in Amazon. This has led to some remarkable species being discovered by dedicated scientists in the last decade. Recent surveys have yielded extraordinary results, such as the rufous twistwing (*Cnipodectes superrufus*), discovered in Manu National Park; the Amazon sundew (*Drosera amazonica*) discovered in the Parque Estadual do Rio Negro Setor Sul in Brazil; a new snake species (*Atractus tamessari*) discovered in the Kaieteur National Park, Guyana; and a stunning poison dart frog (*Ranitomeya amazonica*) from the Reserva Nacional Alpuhuayo Mishana, Peru.

Such is the phenomenal rate of discovery in the Amazon that between 1999 and 2009 at least 1,222 new species of plants and vertebrates have been discovered in the region. The new species include 637 plants, 257 fish, 216 amphibians, 55 reptiles, 16 birds and 39 mammals, in addition to thousands of new invertebrate species not covered in detail by this report.

Many of the new species are highly endemic or rare, further highlighting the importance of protected areas in the conservation of species.

But this represents just scratching the surface of the Amazon. Much remains unknown to scientists. The scientific world is only just realising what indigenous people in the Amazon have known for centuries: the many ancestral cultures still alive in the Amazon have a deep knowledge of the riches of the region. This knowledge may prove essential for the success of future efforts to preserve them.

Right: Brazilian ornithologist Alexandre Aleixo from the Museu Paraense Emilio Goeldi with a scythebill.

It is one of 11 species with no known scientific description discovered during a scientific expedition, supported by WWF, to the Altamira National Forest in 2009.

Scientific expedition traverses unstudied areas in Brazil

In June 2009, WWF supported a scientific expedition to the Altamira National Forest, a 689,012ha protected area in the heart of Pará State, Brazil. This part of the Amazon still holds secrets unknown even to the most experienced researchers.

The expedition discovered 11 species with no known scientific description in the depths of the national forest: eight fish species, a possibly new genus of crab and two species of birds.

The new species of fish include catfishes from the Trichomycteridae family (catfishes), two species of ray-finned fishes from the Anostomidae family, two characids (Characidae) and one armoured catfish (Loricariidae). Two unfamiliar bird species discovered in the area, including a kind of scythebill (*Campylorhamphus sp.*), are expected to be confirmed as a new species this year.

WWF supports scientific expeditions as part of our efforts in promoting the creation of protected areas in the Amazon region. In Brazil, we've organised 10 expeditions in the last five years to raise information and scientific data about the flora and the fauna of the region. This information is used to create new protected areas or to strengthen existing ones.



© Zig Koch / WWF

Plants

637

new plant species

Already home to around 40,000 species of plants, the world's largest rainforest revealed 637 new plant discoveries in the last 10 years.

To say that the Amazon possesses a high number of plant species is a considerable understatement. The scale of plant diversity uncovered by scientists in some areas of the Amazon is mindboggling. For example, 473 tree species and a total of 1,000 vascular plant species have been documented in one hectare of lowland rainforest in Amazonian Ecuador¹¹, and 3,000 species have been found in 24ha in the Chribiquete-Araruacura-Cahuinari region of the Colombian Amazon¹². What's more, the level of scientific knowledge regarding plant diversity in the region is far from its peak.

Within the last decade, hundreds of new plants, with a staggering diversity, have been recorded. The plants are from an eclectic mix of plant families and include herbaceous, perennials and bulbous flowering plants, trees and shrubs, vines, ferns and lilies.

Among the huge number of new species are members of the custard apple family (Annonaceae), dogbane family (Apocynaceae), ivy family (Araliaceae), palm family (Arecaceae), daisy or sunflower family (Asteraceae), and forget-me-not family (Boraginaceae). There have also been additions to the bromeliad family (Bromeliaceae – known for the pineapple), heath or heather family (Ericaceae), torchwood or incense family (Burseraceae), caper family (Capparaceae), spurge family (Euphorbiaceae), laurel family (Lauraceae), mallow family (Malvaceae – which includes hibiscus), and myrtle family (Myrtaceae – known for clove, guava and eucalyptus).

Numbers in the cabbage family (Brassicaceae), melon family (Cucurbitaceae) and the Solanaceae family have also swelled. The latter is famous for agriculturally-important plants like the potato, pepper, tobacco and tomato, but also toxic plants like the deadly nightshade.

An expedition revealed the existence of a new, undescribed endemic sundew in the Pakaraima mountains south-east of the famous Mt Roraima, which is



© E. Esteves Pereira

at the border of Venezuela, Guyana and Brazil¹³. The species *Drosera solaris* was officially described in 2007 and recorded only from swamps on a small plateau at 2,065m, just below the summit of Mt Yakontipu. It was discovered in an isolated population within a small clearing in the cloud forest. The name 'solaris' (Greek for 'sunny' or 'sunloving') was chosen to illustrate the bright and shiny appearance of this sundew, with its bright yellowish-green petioles, which contrast with its bright red leaf blades. These bicoloured rosettes are unique among all known South American species of *Drosera*¹⁴.

One of the more bizarre finds is a tree that grows 'noodles'. Officially described in 2004, *Syagrus vermicularis*¹⁵ is a medium-sized, solitary, attractive palm that grows to about 10m tall, with a smooth, green trunk thinly covered by a whitish velvety layer. It has a dense crown of dark green fronds made up of soft, glossy, pinnate leaves which form a graceful, arching canopy. The tight squiggling tangle of bright yellow 'noodles' form the palm's newly-emerging flowering shoots. After considering a fun name, like *Syagrus ramen noodlensis*, Dr Larry Noblick opted for something that sounded a bit more sophisticated: *Syagrus vermicularis* (Latin for 'resembling a worm'). The species was originally described from Maranhão, Brazil, but has since also been discovered in Carajás, Pará, Tocantins, Rondônia and possibly in Mato Grosso¹⁶.

Among other new discoveries are an incredible 78 new orchid species.

“Pleased hardly describes how ecstatic I felt when I finally discovered this plant after 10 years of searching for it”.

Dr Fernando Rivadavia,
discoverer of the Amazon sundew
(*Drosera amazonica*)

2a, 2b. *Drosera amazonica*
2c. *Syagrus vermicularis*



© Larry Noblick



© Andreas Fleischmann



© Fernando Rivadavia

The Amazon sundew, a discovery 10 years in the making

Particularly significant, owing to its unusual location and its sheer abundance, was the discovery of the Amazon sundew (*Drosera amazonica*) officially described by scientists in 2009¹⁷. This plant species is red and yellow, and grows to just 10cm tall. Because the species is found on white quartz sand savannas, which are seasonally flooded, the soil is highly acidic and extremely poor in nutrients. To supplement the poor mineral nutrition that these species can derive from the soil, they lure, capture and digest insects using glandular tentacles topped with sticky secretions, and exude a sweet perfume.

After 10 years of searching for the elusive plant, in 2006 Dr Fernando Rivadavia found two extensive populations roughly 500m apart in the Parque Estadual do Rio Negro Setor Sul, a protected area relatively safe from deforestation. The two populations were located on opposite sides of a small tributary of the Cuieiras river, which empties into the Rio Negro in Amazonas state. Here, in natural clearings in the rainforest consisting of savannah vegetation and wet-sandy habitats, the new *Drosera* was encountered growing by the “millions”. Another population of the species was discovered around 450km north of this area in the Viruá National Park, in the central part of Roraima state¹⁸.

This find is particularly significant as very few *Drosera* species are found in the lowlands of Brazil. Those that have been recorded occur in sandy coastal habitats. Very few have been discovered inland, as *Drosera amazonica* was.

Fish



More species of freshwater fish can be found in the Amazon than anywhere else. The mightiest river basin in the world has been the location of some remarkable new species discoveries over the past decade. At least 257 new fish species have been found in the Amazon's rivers and tributaries, including three new species of piranha, a goliath catfish and a bright red subterranean blindfish.

A new giant catfish was discovered here in 2005. The so-called 'goliath catfish', *Brachyplatystoma capapretum*, was found in the Amazon river. A migratory species, the fish has been recorded from Belém, Brazil, upriver to at least Iquitos, Peru, and in several large tributary rivers and lakes¹⁹. A record specimen of this fish, measuring nearly 1.5m and weighing 32kg, was later caught in 2007 in the Rio Pasimoni, Amazonas, Venezuela. The *Brachyplatystoma* genus includes some of the largest Amazonian catfish species, including the piraíba (*Brachyplatystoma filamentosum*), which reaches about 3.6m and can weigh 200kg. Although normally having a diet of fish, the stomach contents of larger members of the genus have occasionally included parts of monkeys²⁰.

One of the most colourful discoveries has been a green and red variety of the bloodfin tetra family. The species identified in 2003²¹ has been given the Latin name *Aphyocharax yekwanae* in honour of the Ye'Kwana Indians who live in the area, which consists of pristine tropical forest and waterways tucked away in the highlands. Experts fear that the 5cm-long new species, as well as the Ye'Kwana who depend on the water, could eventually fall prey to encroaching human settlements as well as the adverse effects of increased farming and fishing. The region could also be threatened by future hydroelectricity plans.

A number of strikingly coloured species from the genus *Apistogramma* have been discovered from areas of the Amazon in Peru and Bolivia. These include the species *Apistogramma barlowi*, officially recorded as new to science in 2008²². Discovered in the region of Loreto in the Peruvian Amazon, it is quite different from all other *Apistogramma* species in that the species has an enlarged head and mouth, with massive jaws. Females take their larvae into

their mouths and keep them inside during development, right up to the free-swimming stage. The larvae are usually put down only to allow the females to feed.

A rather unusual fish was discovered in 2009 in the Amazon river in Peru and Brazil²³. The electric knifefish (*Compsaraia samueli*) is strange in that the males exhibit an extremely elongated and smooth snout and jaws. The species is semi-translucent white, fading to semi-translucent pink, giving the species its specific name of 'pelican knifefish'. Few specimens of *Compsaraia samueli* are known, and the ecology of this species is poorly understood. Males are highly aggressive and prone to fighting each other. This can escalate from non-contact aggressive posturing to biting and jaw-locking within minutes. Such sparring is used by sexually mature males to assess dominance in competing for nest sites and/or females. Electric knifefish are so called because they emit a high frequency wave to communicate.

New species are sometimes discovered in the unlikeliest places. The new catfish *Phreatobius dracunculus*, described in 2007 from Rondônia State, Brazil, is one of the most peculiar members of neotropical freshwater fish fauna. It lives mainly in subterranean waters, and most specimens so far have been secured from hand-dug wells²⁴. The bright red species is blind and tiny, measuring only 3.5cm long. According to locals in Rio Pardo, a village 90km south of the city of Porto Velho, in the state of Rondônia, the fish began to appear after a well was dug, and were accidentally trapped in buckets used to extract water. The species has since been found in another 12 of 20 wells in the region. Because of its appearance, and perhaps due also to its underground nature, scientists named the species *dracunculus* – the Latin *draco* meaning dragon. The discovery also extended the known range of the *Phreatobius* by an extraordinary 1,900km.

There are certainly many more fish species to be discovered in the Amazon. For example, a recent expedition to the Serra do Cachimbo Xingu and Tapajos rivers in Pará State, Brazil, to sample a very species-rich and poorly known ichthyofaunal region in the neotropics, recorded nearly 250 species of fishes,

Apistogramma barlowi





3a. *Otocinclus cocama* © Ingo Siedel 3b. *Apistogramma baenschi* © Kris Weinhold
 3c. *Apistogramma baenschi* © Nicholas Poey 3d. *Compsaraia samueli* © William Crampton
 3e. *Hypancistrus contradens* © M.H. Sabaj 3f. *Irاندuba capapretum* © John G Lundberg
 3g. *Aphyocharax yekwanae* © Barry Chernoff 3h. *Phreatobius dracuncululus* © Janice Muriel Cunha
 3i. *Compsaraia samueli* © Mark Sabaj-Pérez

including at least 86 species of catfish. Of this number, approximately 35 (40%) are considered to be new to science²⁵ and are currently in the necessary, but laborious, process of official description, which can frequently take years. Scientists say that with so many threats facing fish in the region, it really is a case of too many fish and too little time.

New piranha species

The Amazon contains 20 freshwater ecoregions²⁶, rich areas of diversity that are globally significant. Among these flows the Uatumã river, a tributary of the Amazon in the state of Amazonas, Brazil. In 2000, among dense rainforest, a new species of piranha was discovered here²⁷. The species *Serrasalmus altispinis* can grow to 19cm in length and is predatory. Species in the *Serrasalmus* genus feed themselves mainly on the fins and scales of other fish, and do not need the same muscle-packed lower jaw to rip through muscle and bone. With the exception of a few species, piranhas from this genus are solitary and do not feed in shoals. In general, they will not tolerate other fish, and are very aggressive and territorial. Due to lack of research, their behaviour in the wild is largely unknown. Piranhas are split into 11 separate genera, with some fish in the *Serrasalmus* genus certainly among the largest, and some species capable of exceeding 50cm.

Described in 2002, the species *Tometes lebaili*²⁸ and *Tometes makue*²⁹ are different from others in the genus because both are herbivorous, feeding mainly on the Podostemaceae river weed family of aquatic herbs. They are also unusual in that they are both giants, capable of reaching over 50cm in length. Both species were found in the northern Guiana shield region. According to Dr Michel Jegu, one of the scientists who discovered the species, both piranhas are endemic to the area in which they were found, and are directly and highly dependent on the persistence of the Podostemaceae aquatic herbs on which they feed. The Podostemaceae in the region is fragile, with the health of the weed depending on the frequency of the rising water, the water quality and the clearness of water for photosynthesis. Threats including hydroelectric dams, the effluents of mining, and the gathering of the weed for drug companies are increasing the pressures on this unique food source³⁰.



© Jerry Plakyda



© Michel Jegu

Amphibians



new amphibian species

Beneath the canopy of the largest rainforest in the world, 216 new amphibian species have been discovered in the last decade.

Between 1999 and 2009, 24 new poison dart frogs spanning four different genera were discovered by scientists. The overwhelming majority have been found in the Peruvian Amazon. Poison dart frogs are small – between 1.5cm and 6cm – vibrantly coloured and toxic. In the wild, the frogs use their toxicity to defend themselves against would-be predators.

The species *Ranitomeya benedicta*, officially described in 2008³¹, has a striking appearance: a black body and limbs, with blue markings that resemble a water pattern. Its head is bright red, with black markings over the eyes. Some populations have a greater amount of blue on their bodies, causing the legs and back of the body to seem uniform blue. The species is widely distributed in the lowlands of the Loreto and San Martin regions of Peru.

Equally stunning is the species *Ranitomeya summersi*, also discovered in 2008³². Although from the same genus, the species is remarkably different from *Ranitomeya benedicta* in that the frog is jet black with orange cross-bands that almost seem to be painted on to the frog. The frog's face is orange, with a black mask over the eyes. The species is known from the San Martin region of the Peruvian Amazon.

There has also been a host of stunning poison dart frogs from the *Ameerega* genus. These include the formal description in 2009 of the species *Ameerega yoshina*, *Ameerega ignipedis* and *Ameerega pepperi*, from Ucayali and Huallaga in Peru³³.

The common name, poison dart frogs, is derived from the practice of indigenous people in the Chocó forests of western Colombia, who rub their blowgun darts onto the backs of the frogs (historically the species *Phylllobates terribilis* or the golden poison frog) to load the darts with poison when hunting animals³⁴. Despite their name, only three frogs in Colombia are documented as being used for this purpose. Poisonous plants are more commonly used.

It is not just Peru that can showcase some extraordinary-looking new frogs. In Amazonian Ecuador, *Nymphargus wileyi* is known only from the cloud forests in the vicinity of the Yanayacu Biological Station, Napo Province³⁵. The species was described in 2006 and is known only from six specimens collected during three years of inventory work at Yanayacu. This suggests that *Nymphargus wileyi* is a rare species³⁶. The species is a so-called glass frog. While glass frogs have a general background colour of vivid lime green, the abdominal skin of some members of this family is transparent. The heart, liver and gastrointestinal tract are visible through this translucent skin, hence the common name.

If transparent frogs were not amazing enough, imagine the surprise of the scientist who discovered a black frog with psychedelic shocking pink rings. Although currently awaiting formal description, the new species from Suriname, believed by scientists to belong to the *Atelopus* genus³⁷, is otherworldly. While science is still unable to ascertain the status of the pink frog, the species deserves a mention as a further example of the bewildering array of life still being uncovered in the Amazon.



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4a. *Ameerega pongoensis*
 4b. *Ranitomeya summersi*
 4c. *Scinax iquitorum* (male)
 4d. *Hypsiboas liliae* (male)
 4e. *Nymphargus wileyi*



© Lars K

Ranitomeya amazonica

Perhaps presenting the best of Amazon diversity, uniqueness and wonderment, *Ranitomeya amazonica* is certainly one of the most extraordinary new species. Described in 1999, from north-eastern Amazonian Peru³⁸, the pattern displayed by the species is simply stunning. The frog has an incredible burst of flames on its head, and starkly contrasting water-patterned legs. The main habitat of this species, near the Iquitos area in the region of Loreto, is primary lowland moist forest. The frog has also been encountered in the Alpahuayo Mishana National Reserve. Although the park affords the species some protection, this frog is currently threatened by increasing habitat loss occurring in the south of the protected area due to agricultural activities. In addition, because of the species' attractive appearance, it is currently threatened by wildlife trade³⁹.

Reptiles



A turtle, 28 snakes and 26 lizards have been discovered in the Amazon in the last 10 years. The 55 new reptile species discoveries dot the landscape, with species steadily emerging over the years in all the states that comprise the Amazon.

Two of the new discoveries are members of the Elapidae family. This is the most venomous snake family in the world and includes among its number the taipans, black mamba, cobras, fierce snake, and sea snakes. The coral snake, *Micrurus pacaraimae*, was discovered in 2002 in Brazil's border with Venezuela, in the state of Roraima⁴⁰. The 30cm, red and black-ringed species is one of over 65 known species, and many are among the most venomous snakes in the Amazon. A further species, *Leptomicrurus renjifo*, was found in the tropical semi-deciduous forest of the eastern Colombian llanos, a grassland in the Amazon⁴¹. Officially described in 2004, this 40cm species, a so-called short-tailed coral snake, is unique in that it is the smallest of its genus and differs from other coral snakes by possessing a pattern of black rings separated by equally long (or longer) pale orange rings. The eastern llanos of Colombia is a complex of savannahs and a dozen types of forests. It is also home to the endemic Orinoco crocodile (*Crocodylus intermedius*), a species that reaches 7m, and is one of the most critically-endangered reptiles on Earth.

Another vibrantly-coloured snake species, *Pseudoboia martinsi*, was described in 2008 from the Amazon States of Pará, Amazonas, Roraima and Rondônia, Brazil⁴². The new metre-long species has a black head cap, a large black vertebral stripe, bright red flanks, and a uniformly white belly. One of the most notable characteristics of pseudoboine snakes is the developmental colour change that individuals undergo. Scientists suggest this is likely to be related to their reaching sexual maturity. The new species, however, is unique among its contemporaries as it retains its pale collar and bright colour pattern throughout its life.

Individuals of this new species were found in both primary and disturbed

forested areas. The species seems to be predominantly nocturnal and secretive, and was found foraging at night among the leaf litter of a primary forest, near streams. According to scientists, despite its bright colouration and the fact that it is known to eat other snakes, when handled the species was harmless, and did not attempt to constrict or bite. The species is a member of the Colubridae family, a predominately harmless and non-venomous family, which accounts for roughly two thirds of all snake species on Earth, including a vast majority of the new Amazon snake discoveries.

Thirteen new species of colubrid snakes from the *Atractus* genus, or ground snakes, were also discovered over the past decade. Most of the nearly 100 species comprising the genus have restricted distributions. In Guyana, where knowledge of the herpetofaunal diversity is still very limited, a new species, *Atractus tamessari*, was discovered in Kaieteur National Park. The snake is medium brown to brownish-black, with dark brown mottling and rust-coloured spots⁴³. A further species, the tiger-striped *Atractus davidhardi* was described a year later from the Brazilian and Colombian Amazon^{44,45}.

Snake discoveries in the Brazilian Amazon have been particularly prevalent but, despite this, up to 30% of the Brazilian fauna of snakes is still unknown, according to the Brazilian Society of Herpetology. This means more than 100 species could yet be discovered, with the total number of snakes exceeding 350.

Other significant reptile finds include a new turtle, found in an array of Amazonian habitats in the upper Amazon basin, including southern Venezuela, western Brazil, north-eastern Peru, eastern Ecuador and south-eastern Colombia. The new Amazon toadhead turtle (*Batrachemys heliostemma*), discovered in 2001⁴⁶, is a medium to large-sized toadhead turtle and has a large, wide, round head. The name given to the species is a combination of Greek: *helios*, 'sun', and *stemma* 'wreath', in reference to the bright yellow-orange horseshoe-shaped facial bands the species displays on its head. Little is known of the behaviour or feeding preferences of this species in the wild,



5a.

© Vinicius Carvalho



5b.

© Jairo H Maldonado



5c.

© Steven Poe



5d.

© Steven Poe

5a. *Pseudoboa martinsi*

5b. *Atractus davidhardi*

5c. *Anolis cuscoensis*

5d. *Anolis williamsmittermeierorum*

Bolivian anaconda (*Eunectes beniensis*)



but it seems to prefer shallow and clear waters, and has been observed only in high, non-flooded forests near permanent water bodies and slow-moving streams.

A new anaconda for the Amazon

Among the incredible new species finds is a new species of perhaps one of the most well-known and feared reptiles of the Amazon: the anaconda⁴⁷. Described in 2002 from treeless-savannas of Bolivia's north-eastern Amazon province, the new species was initially believed to be the result of hybridisation between green and yellow anacondas. However, after further morphological and molecular genetic studies, the snake was determined to be a distinct species and subsequently named the beni, or Bolivian anaconda (*Eunectes beniensis*)⁴⁸. The species was subsequently found also in the floodplains of Bolivia's Pando province. The new anaconda is particularly significant, as the snake is the first valid anaconda species to be described since 1936, and joins only three other known anaconda species.

The Bolivian anaconda can grow up to a lengthy four metres, but possibly even longer according to scientists. Its basic colour is brown to dark olive green, possessing five stripes on its head, and is patterned with fewer than 100 large, dark, solid blotches – fewer and larger than other species. According to experts, the Bolivian anaconda is more closely related to the yellow anaconda (*Eunectes notaeus*) and the dark-spotted anaconda (*Eunectes deschauenseei*) than to the green anaconda (*Eunectes murinus*).

All anacondas are primarily aquatic boas, with small, dorsally-positioned eyes and relatively narrow heads. They predominantly rely on ambush – catching, suffocating and eating a wide variety of prey, almost certainly anything they can manage to overpower, including amphibious and aquatic reptiles, mammals and birds as well as fish. Large individuals have even been known to eat large caiman, and mammals as big as capybaras, tapirs and jaguars.



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Birds



A total of 16 new bird species have been discovered in the Amazon in the past 10 years. The new avian additions to the region span a diverse range of bird families and include the discovery of a raptor from southern Amazonia. The cryptic forest-falcon (*Micrastur mintoni*) was discovered in 2002⁴⁹. This Brazilian species has bright orange skin around its eyes. The overall population of the falcon is presumed to be large, given its wide range. But little is generally known about this new species.

In 2007, a new bird was described from the Peruvian Amazon⁵⁰. The rufous twistwing (*Cnipodectes superrufus*) displays a multitude of red-brown variations. Despite extensive ornithological research in the south-eastern region of Madre de Dios, this species had escaped notice, largely because of its inaccessible natural habitat: it is restricted to thickets of thorny 5m-tall bamboo (*Guadua weberbaueri*), a habitat poorly surveyed in Amazonia.

Originally only known from a few sites in Madre de Dios and a neighbouring region, the known distribution of the bird was later extended from 3,400 to 89,000 sq km of Guadua-dominated forest across Madre de Dios (Peru), Pando (Bolivia) and Acre (Brazil). The former includes Manu National Park⁵¹.

According to scientists, the rufous twistwing is probably the least abundant of all bamboo specialists in Amazonia. The risk of extinction in the short term is low, but recent development projects, including the paving of the Inter-oceanic highway, will increase human settlement and habitat destruction in the region^{52,53}. In addition, the socioeconomic value of large bamboos and the increasing tendency to harvest them⁵⁴ suggest the extent of suitable habitat for the species may decline in the future.

Already considered critically endangered is the Iquitos gnatcatcher (*Polioptila clementsii*), discovered in 2005⁵⁵. Also from the Peruvian Amazon, this new bird was discovered in the Reserva Nacional Allpahuayo-Mishana, just west of Iquitos, in the Loreto region of Peru. It is a rare sight in the white-sand forest it inhabits. Surveys of available habitat within the reserve have only located 15 pairs. And since its discovery, the species has apparently become more difficult

to locate year on year. Today the species is at real risk of extinction, owing to an extremely small range and population, and deforestation in the zone. Available habitat continues to be threatened by clearance for agriculture, facilitated by government incentives to encourage colonisation of land surrounding Iquitos; and logging of forest within a national reserve, for construction, fuelwood and charcoal⁵⁶. The ancient and slow-growing varrillal forests, prime habitat of *Polioptila clementsii*, occur on especially nutrient-poor, quartzitic soils, and may never be able to regenerate if destroyed⁵⁷.

Amazonian forests growing on white sand and other nutrient-poor soils hold many ornithological surprises. A few years earlier, in 2001, another new species, the mishana tyrannulet (*Zimmerius villarejoi*) was described, again from the white-sand varrillal forest near Iquitos, in the Loreto region of Peru⁵⁸.

Among the many birds of the Amazon, parrots are often the most spectacular in colour. The bald parrot (*Pyrilia aurantiocephala*, originally known as *Pionopsitta aurantiocephala*), a member of the true parrot family, caused a sensation when it was described in 2002⁵⁹, mainly because it is hard to believe that such a large and colourful bird could have escaped the notice of the world. As its name suggests, the species has an extraordinary bald head, devoid of plumage, but is otherwise a strikingly colourful bird. It displays an extraordinary spectrum of colour, from an "intensely orange-coloured head"⁶⁰, to yellow-green nape, parrot green body with wings of green, suffused with ultramarine blue, cyan, orange-yellow, emerald green and scarlet, and feet of orange-yellow.

The parrot is known only from a few localities in the Lower Madeira and Upper Tapajós rivers in Amazonian Brazil. It is currently known only from two habitat types and from a relatively small area. This population of birds is currently under threat from logging; scientists point out that although the region in which they collected specimens of *Pionopsitta aurantiocephala* is currently economically managed through environmental tourism, nearby regions around the headwaters of the Tapajós river and the entire southern fringe of Amazonia are constantly threatened by the destructive activities of logging companies⁶¹.



© Arthur Grosset



© Andrew Whittaker



© Joseph Tobias

7a. Bald parrot (*Pionopsitta aurantiocephala*)
 7b. Cryptic forest-falcon (*Micrastur mintoni*)
 7c. Rufous twistwing (*Cnipodectes superrufus*)

Unbroken forest canopy in the Peruvian Amazon. In the last decade, several new bird species were discovered here.

The species has been listed as 'near threatened', due to its moderately small population, which is declining owing to habitat loss⁶².

A further new species of parrot, *Aratinga pintoi*, was found in the Amazon river basin in 2005⁶³. The sulphur-breasted parakeet, as the species is commonly known, was found only in open areas with sandy soils in Monte Alegre, on the northern bank of the lower Amazon river, in the State of Pará, Brazil. The species has a splendidly-coloured body, adorned with a green crown, orange forehead, a yellow back mottled with flecks of green, a sulphur-coloured breast, and bright blue wing tips. It was originally believed to be a juvenile of another species or a hybrid of two species and, remarkably, scientists had been collecting, examining and misidentifying the species since the beginning of the 20th century. Today, *Aratinga pintoi* is a fairly common bird at Monte Alegre, easily located along the main roads in groups of up to 10 individuals, and flying over the city. However, as is usual with new species of parrots, scientists now fear that breeders will soon begin to obtain and trade these birds through the illegal market⁶⁴.

Some scientists are concerned not just about the conservation of the threatened, endangered and newly-described Amazonian avifauna, but foremost about the "forgotten taxa" out there⁶⁵. Many species are desperately waiting on dedicated ornithologists and often poorly-funded South American museum staff to dedicate their own time and finances to officially describe the birds, while there is also a huge demand for ecological studies to better understand and define the threat status of a large number of 'data deficient' species. Like a race against time, ornithological research to describe properly this planet's richest and most complicated avifauna is lagging behind the pace of development in the region, and many species are already endangered⁶⁶.



Rufous Twistwing (*Cnipodectes superrufus*)

© Arthur Grosset

Mammals

39

new mammal species

In the last decade, 39 new species have joined the large list of mammals found in the Amazon. The new mammal species found in the Amazon include a pink river dolphin, seven monkeys, two porcupines, eight mice, nine bats, six opossums, five rats and a guinea pig.

In 2001, two new species of porcupines were discovered in the Amazon⁶⁷. The new species are unique in that they provide the first documented records of small porcupines from western Amazonia, where only large porcupines (*Coendou prehensilis* and *Coendou bicolor*) were previously known. *Coendou ichillus* was encountered in dense rainforest in the Amazonian lowlands of eastern Ecuador. This species is distinguished from others by its long tail, a lack of visible fur in the adult pelage, quills with more extensive black tips, and pale-tipped tricolored bristle-quills. It has many 8cm-long quills, and has a dark-brown or blackish middle band. The particular name given to this species, *ichilla*, means 'small' in the dialect of the lowland Quichua, within whose tribal territory the new species occurs.

The second porcupine, *Coendou roosmalenorum*, is from both banks of the middle Rio Madeira, Brazil, a major Amazonian tributary and one of the largest rivers in the world. Remarkably, this species was captured during the course of faunal rescue efforts at the Samuel hydroelectric dam site. At 600g, scientists believe that *Coendou roosmalenorum* may be one of the smallest living erethizontids (large arboreal rodents).

Seven new monkey species were also discovered during the period. An inhabitant of the lowland Amazon rainforest, the Rio Acari marmoset (*Mico acariensis*), discovered in 2000, is a marmoset species endemic to Brazil⁶⁸. It was originally being kept as a pet by inhabitants of a small settlement near the Rio Acari, in central Amazonia, Brazil. The species weighs 420g, is 24cm tall, with a total length of 35cm, and it has a striking bright orange coloration of its lower back, body underparts, legs and tail base. This species occurs in a relatively remote region of the Amazon, away from major human disturbance. It has not been studied in the wild, and there is currently no reliable information on its population status or major threats.



Rio Acari marmoset (*Mico acariensis*)

© Georges Néron



8a.

© Fernando Trujillo, Fundación Omacha



8b.

© Fernando Trujillo, Fundación Omacha

8a. 8b. Bolivian river dolphin (*Inia boliviensis*)

The Bolivian river dolphin

The Amazon river dolphin, or pink river dolphin, was recorded by science in the 1830s and given the scientific name of *Inia geoffrensis*. In 1977, it was first suggested that the Bolivian river dolphin could be a distinct species. In the last decade, genetical science has provided further evidence that it is indeed a separate species – *Inia boliviensis* – although some still consider it a subspecies of *Inia geoffrensis*. Known locally as the bufeo, the Bolivian river dolphin is separated from its closest neighbours in Brazil by a series of 18 rapids along a 400km stretch of the Madeira River between Bolivia and Brazil, which would account for its evolutionary distinctiveness. When the Bolivian river dolphin was identified as a separate species in 2006, it was immediately adopted by the Beni departmental government as a symbol of the region's conservation efforts.

In contrast to Amazon river dolphins, their Bolivian relatives have more teeth, smaller heads, and smaller bodies. Scientists also consider the species to be wider and rounder.

The declaration of the new species happened during the first-ever South American river dolphin census, which was led by Fundación Omacha, Wildlife Conservation Society, Whale and Dolphin Conservation Society, Faunagua, WWF and other partners. Over 15 months, from 2006 to 2007, scientists navigated over 2,000 miles between the Amazon and Orinoco rivers and their tributaries. They surveyed 13 rivers in five countries – Bolivia, Colombia, Ecuador, Peru and Venezuela – and counted more than 3,000 river dolphins. Scientific studies of the dolphin helps to measure and evaluate threats to these freshwater systems, including pollution from hydrocarbons and mercury, and the impact of infrastructure projects such as dams and waterways.

As a unique and endemic species for Bolivia, this river dolphin is considered an important indicator of the quality of the freshwater ecosystems it inhabits. During the expedition along the Iténez river in Beni, a total of 1,008 Bolivian river dolphins were sighted in good conservation state.

Invertebrates

503
new invertebrate species

Ants from Mars, and purple tarantulas...

In Brazil alone, which encompasses 60% of the Amazon region, between 96,660 and 128,840 species of invertebrates have been described by scientists to date⁶⁹. Dominating the Amazon, insects make up over 90% of the animal species found here. About 50,000 species of insects can be found in any 2.5 sq km of the forest. Many thousands of new invertebrates have been discovered in this region since the beginning of the new millennium. These have not been included in the appendix, but a selection of the new finds is presented here.

At least 503 new spiders have been discovered in the last 10 years across the Amazon, spanning a diverse number of arachnid families⁷⁰.

The genus *Pamphobeteus* comprises some of the largest spiders in the world. Two new species in the genus were recently discovered in the Brazilian Amazon: *Pamphobeteus crassifemur*, a striking black species from the states of Rondônia and western Mato Grosso; and *Pamphobeteus grandis*, from Amazonas and western Acre⁷¹. The latter is particularly interesting as this tarantula has a striking purple colouration. Found deep in the Amazon forest, the name of this species means 'huge' – the spider's body measures over 6cm long.

Further new tarantula species include *Cyriocosmus nogueiranetoi* from Rio Branco, Acre⁷². This reddish-brown species, officially described in 2005, has an unusual pattern on its back: five pairs of clear 'tiger-stripes'. Species in the *Avicularia* genus, or pinktoes, have very distinguishable pink feet pads. The bluegreen pinktoe (*Avicularia geroaldi*), so named because it is blue with a metallic sheen, was found in the Amazon regions of Venezuela and Brazil^{73,74}. According to experts, this spider is quick, but not aggressive. A key characteristic of species in the *Avicularia* genus is their preference for jumping and fleeing as quickly as possible when threatened. Occasionally, though, they will launch a jet of excrement at the perceived threat, which can accurately hit a target up to a metre away.



© Rogerio Bertani



© Karl Csaba



© Rogerio Bertani

9a. *Pamphobeteus crassifemur* (female)
9b. *Avicularia braunshauseni*
9c. *Cyriocosmus nogueiranetoi* (female)

Pamphobeteus grandis



© Rick C. West



© Keegan Rowlinson

The bluefang (*Epehebopus cyanognathus*) is a remarkable-looking spider. Discovered in French Guiana in 2000, the species is entirely brown except for two vivid blue fangs⁷⁵. Both *Avicularia* and *Epehebopus* spiders are considered to be bird eaters.

The Amazon rainforest is also famous for its many ant species. Some scientists estimate that 15% of the animal biomass of the Amazon is made up of ants⁷⁶. A single Amazonian tree was found to have 43 species of ants, roughly the same number of ant species as all of Germany⁷⁷.

A new species of blind, subterranean, predatory ant was described from the Brazilian Amazon in 2008. It belongs to the first new genus of living ants discovered since 1923, and is likely to be a direct descendant of one of the very first ants to evolve on Earth, over 120 million years ago⁷⁸.

Dr Christian Rabeling, a scientist from the University of Texas at Austin, collected the only known specimen of the new ant species in 2003 from leaf litter at the Empresa Brasileira de Pesquisa Agropecuária area in Manaus, Brazil. An account of the discovery is given in primatologist Jane Goodall's latest book:

He found the pale, eyeless ant by pure chance. One evening, when it was nearly dark, he was sitting in the forest getting ready to go home. He saw a strange white ant walking over the leaf litter and, not recognising it, popped it into preservative in one of the small vials that he always carried and put it into his pocket. When he got back home, he was tired and had quite forgotten about it. Three days later, he found the specimen in the pocket of his pants. It was then that he realised he had found something extraordinary⁷⁹.



© Christian Rabeling

The new ant was named *Martialis heureka*, which translates roughly as 'ant from Mars', because it has a combination of characteristics never before recorded. It is adapted for dwelling in the soil, is two to three millimetres long, pale, has no eyes, and has large mandibles, which Dr Rabeling and his colleagues suspect it uses to capture prey.

According to scientists, this discovery hints at a wealth of species, possibly of great evolutionary importance, still hidden in the soils of the remaining Amazon rainforest. Rabeling says his discovery will help biologists better understand the biodiversity and evolution of ants, which are abundant and ecologically important insects⁸⁰.

Although not a new species discovery, it is nonetheless fascinating that in 2009 scientists found that the leaf-cutter ant species *Mycocepurus smithii* is all female⁸¹. Surviving in a world without males, the ants have evolved to reproduce only when the queens clone themselves. No male of the species has ever been found. According to experts, the unique asexual reproduction and cloning behaviour also renders the species vulnerable to extinction.



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© Karl Csaba

- 10a. *Epebopus cyanognathus*
- 10b. *Martialis heureka*
- 10c. *Cyriocosmus perezmilesi*
- 10d. *Avicularia braunshauseni*

Amazon under threat



Despite its magnitude, the Amazon is an increasingly fragile place. The world's biggest tropical forest is being cleared for cattle and crops.

By all accounts, compared to other tropical forests around the world, the Amazon is in relatively good shape. However, while the Amazon still has 83% of its natural ecosystems standing⁸², the picture is shifting rapidly. A disastrous combination of threats is increasingly eroding the Amazon's connectivity. And numerous endemic species are being subjected to waves of resource exploitation. After centuries of limited human disturbance, at least 17% – some 930,000 sq km – of the seemingly boundless forests of the Amazon have been destroyed in just 50 years⁸³. This is an area greater than the size of Venezuela, or twice the size of Spain.

The primary cause of this transformation is the rapid expansion in regional and global markets for meat, soy and biofuels. These have increased the demand for land.

In almost every Amazon country, extensive cattle ranching is the number one cause of deforestation⁸⁴. Of the 930,000 sq km of forest cleared in the Amazon by 2000, 80% was replaced with pasture. Amid rising overseas and domestic demand for beef, cattle numbers in the Amazon have more than doubled to 57 million since 1990.

Brazil is a giant for both cattle ranching and agriculture. In the case of livestock production, Brazil has 84% of the pasture land area and 88% of the Amazon herd. The next biggest producers are Peru and Bolivia⁸⁵. In 2003, Brazil surpassed Australia as the world's largest exporter of beef. The area of the cattle industry where most of this growth is occurring is the Amazon, where Brazilian herds are expanding at an annual rate of 9% compared to the growth rate of 6% of the national herd^{86,87}. The result has been an astonishing growth of the cattle industry in the Brazilian Amazon. Between 2004 and 2008, the supply of beef slaughtered from the Amazon States of Mato Grosso, Pará, Rondônia and Tocantins increased rapidly from 107 tonnes, with a value of US\$155 million, to 494 tonnes, with a value of US\$1.1 billion⁸⁸.

In addition to forest conversion, cattle ranching is the main cause of conversion of floodplains in the Amazon⁸⁹. Together with agricultural practices, it causes significant soil erosion and river siltation, as well as aquatic contamination through fecal matter from cattle and the use of agrochemicals^{90,91}.

The second biggest driver of forest conversion is agriculture. In contrast to cattle ranching, agriculture in the Amazon is extremely diverse. At one end of the spectrum, there is small-scale agriculture for subsistence, producing crops such as manioc, beans, rice, corn, coffee, bananas and other fruit for subsistence. At the other end of the spectrum, and arguably of greatest impact, are the agro-industrial sectors, with trends of rapid expansion in the Amazon – particularly in Brazil and Bolivia.

Brazil is the world's number one exporter of orange juice, ethanol, sugar, coffee and soy⁹². Brazil's significant investment in the agro-industrial sector has rippled throughout the country and in the Amazon in particular. Soy production in the Brazilian Amazon has tripled, increasing from two million to over six million hectares from 1990 to 2006. Other crops such as sugar cane and palm oil for biofuels, as well as cotton and rice, are also expanding in the Amazon.

The cultivation of coca for cocaine production has been an important contributor to the conversion of forests found on the upper watersheds of the Amazon basin, and in the eastern slopes of the Andes in Colombia, Peru and Bolivia. The cultivation of illicit crops was responsible for half the area deforested in Colombia in 1998⁹³.

Cattle ranching and agriculture are the two gravest threats facing the Amazon today, and they are interlinked. Logging is the first activity in a new area, and roads are created to access remote stands of timber. Then, in some areas, small-scale farmers gradually clear the forest alongside the logging roads using slash-and-burn methods. Ranchers then come in, buy smaller landholdings and consolidate them into larger ranches, pushing smaller farmers deeper into the forest. Once pastures become degraded, if land is suitable for large-scale agriculture, it is bought by larger farmers. Otherwise,

Fire and deforestation go hand in hand in the Amazon. Land is burned as a way of clearing it for pasture and crops. At least 17% of the Amazon forest has already been destroyed.



degraded pastures are often rotated or abandoned as idle land. In other areas, it is the expansion of large-scale agriculture that is consolidating lands previously owned for pasture. This is a cycle that is being fuelled particularly by soy producers, who buy these degraded lands from ranchers. This enables the soy producers to expand their lands without having to resort to expensive loans. Land speculation and unclear land tenure are also underlying drivers.

The impact of cattle-ranching and agriculture on the Amazon are compounded by a series of other ever-growing threats, such as intensive logging, climate change, and large-scale transportation and energy infrastructure projects – primarily large-scale water infrastructure – and to a lesser degree by mining to tap important reserves of industrial minerals. In 2000, 90% of Brazil's energy was supplied by hydroelectric power, and its dam network is now being expanded to meet Brazil's growing energy needs. Dams can cause biodiversity and habitat loss, and can impact on fisheries and cause riverine and coastal erosion. They can also disrupt several stages in the life cycle of fish – spawning, growth and breeding. Many Amazon fish are migratory, requiring unobstructed journeys across large stretches of river to critical spawning grounds.

Aside from causing deforestation in their construction, transportation infrastructure projects push deeper into the Amazon, thus enabling other unsustainable activities to expand further into former wilderness areas.

The Initiative for the Integration of Regional Infrastructure in South America (IIRSA) is a bold effort by the governments of South America to construct a new infrastructure network for the continent, including roads, waterways, ports, and energy and communications interconnections.

The economic transformation of the Amazon is gaining momentum and yet, as those forces grow in strength, we're also finding that the Amazon plays a critical role in maintaining climate functions regionally and globally. It's a contribution that everyone – rich or poor, in Manaus or London – depends on. The Amazon's canopy cover helps to regulate temperature and humidity, and is intricately linked to regional climate patterns through hydrological cycles that depend on the forests.

Given the enormous amount of carbon stored in the forests of the Amazon, there is tremendous potential to alter global climate if the forests are not properly stewarded. Currently, land conversion and deforestation in the



Cattle graze among the stumps of burnt trees in the Brazilian Amazon. Cattle ranching is the number one cause of deforestation in the Amazon.

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Amazon release up to 0.5 billion tonnes of carbon per year, not including emissions from forest fires. This makes the Amazon an important factor in regulating the global climate⁹⁴.

Like a vicious circle, changes in the global and regional climate are likely to exacerbate desiccation or extreme drying of habitats, as well as fires and drought throughout the Amazon. Rainfall patterns and climate will change, which underscores the Amazon's importance locally, regionally and globally⁹⁵.

Increased temperatures and decreased precipitation caused by climate change will exacerbate these trends. They could lead to a 'tipping point', where the tropical moist forest ecosystem collapses and is replaced over large areas by a mixture of savannah and semi-arid landscapes⁹⁶. The implications of this massive ecosystem shift for biodiversity, global climate and human livelihoods would be profound. The Amazon's forests contain 90-140 billion tonnes of carbon. Releasing even a portion of this would accelerate global warming significantly.

In addition to 30 million people, one in 10 known species on Earth live here. They all depend on the Amazon's resources and services. So do many millions more, in North America and Europe, who are still within the Amazon's far-reaching climatologic influence.

For the many diverse species in the region, the combination of these pressures is pushing many populations to the brink of extinction. The impact that continued human activity has wrought on the unique diversity of the region is devastating. Across the Amazon range states, this means that today an alarming 4,800 species are now considered globally threatened according to the IUCN Red List⁹⁷ⁱⁱ.

The future of the Amazon depends on ecosystems and the services they provide being managed sustainably. The governments of the region recognize the importance of sustainable development in the Amazon for biodiversity, livelihoods and fresh water, and are actively engaged with the work of conserving ecosystems. They have prepared national sustainable development strategies, established environmental protection agencies, legislated to protect the environment, and signed up to numerous environmental agreements and treaties at the international and regional levels.

In 2009, the Brazilian government announced that the rate of deforestation in the Amazon had dropped by 45%, and was the lowest on record since monitoring began 21 years ago. According to the latest annual figures, just over 7,000 sq km was destroyed between July 2008 and August 2009, compared with the previous year's 12,911 sq km. Furthermore, the Brazilian government's climate change policy includes a commitment to reduce deforestation in the Amazon by 80% between 2006 and 2020.



A Peruvian Brazil nut harvester shows off his harvest. Brazil nuts are one of many forest products that can be harvested sustainably, providing an income for local people.

ⁱⁱ The number of species considered Critically Endangered, Endangered or Vulnerable in each country according to the IUCN Red List (2009) is: Bolivia 159, Brazil 769, Colombia 658, Ecuador 2,211, French Guiana 56, Guyana 69, Peru 545, Suriname 65 and Venezuela 268. Figures represent total number of threatened species in the Amazon range states, not just in the Amazon biome.

Conclusions



Conservation of the Amazon is central to the future of humankind

The many threats facing the Amazon are increasing pressure on the natural resources and environmental services that millions of people depend on. Such major threats are ultimately linked to global market forces as well as the everyday practices of those who rely on the Amazon for its goods and services.

The Amazon influences global weather patterns and helps to stabilise the planet's climate. So it's vital to conserve the Amazon forests if we're to tackle global climate change.

Any development in the Amazon must be managed in an integrated and sustainable manner, so that the region's main ecological attributes and functions are maintained. Historically, each country in the region has only considered the part of the Amazon that lies within its national borders – concerning itself with the benefits that it provides to its citizens.

This has resulted in fragmented policy-making as well as unchecked overexploitation of the goods and services of the Amazon. It has also overlooked the viability of the region as a whole.

The negative effects of this approach are exacerbated by the growth of key sectors such as agriculture, cattle-ranching and energy. These economic sectors are expanding in response to global demand. They depend on infrastructure development investments, such as those contained in the IIRSA.

These are the forces currently forming the basis for the 'integration' of the Amazon into the national and global economies. They are generating short-term income and improving national macro-economic indicators. But consideration of the environmental and social costs of such developments still needs to be incorporated into the mainstream of development planning.

Around the world, the environmental and social impacts of unsustainable development are frequently borne by marginalised or minority groups within

society, particularly indigenous people and rural communities. The Amazon is no exception. Conservation of the Amazon, first of all, is crucial for the survival of the 2.7 million people from more than 320 indigenous groups who have depended on its riches for centuries.

Given this context, the fate of the Amazon ultimately depends on a significant shift in the way development is currently embraced by Amazon countries. It is vital for the Amazon to be sustainably managed as one functioning whole. A desire to safeguard the region's functionality for the common good must become the core business of the Amazon nations.

Responsible stewardship of the Amazon is critical to help the world tackle climate change. In this sense, it is also in the long-term self interest of individuals and societies across the globe to keep the Amazon healthy.

WWF's vision for a living Amazon

For centuries, the Amazon has been regarded as an exotic region that needed to be dominated, and as an infinite source of resources to be exploited. Today, the Amazon and its many vital ecological functions are critical to the survival of humankind, at a moment when people's enormous demands on the Earth exceed its capacity to provide for them.

So, protecting the planet's most extensive tropical rainforest is not only a priority task for the nine Amazon countries, but a global duty.

Through our Living Amazon Initiative, WWF works with national and regional stakeholders from the eight countries plus one overseas territory to create the high-level enabling conditions for the conservation and sustainable development of the Amazon.

WWF's vision for a living Amazon is "an ecologically healthy Amazon biome that maintains its environmental and cultural contributions to local peoples, the countries of the region, and the world, within a framework of social equity, inclusive economic development and global responsibility".

For more information on WWF's Living Amazon Initiative, visit panda.org/amazon

We're supporting this vision by developing far-reaching and powerful partnerships with governments, civil society and the private sector to achieve the following:

- Governments, local people and civil society in the region share an integrated vision of conservation and development that is environmentally, economically and socially sustainable;
- Natural ecosystems are valued appropriately for the environmental goods and services they provide and the livelihoods they sustain;
- Tenure and rights to land and resources are planned, defined and enforced to help achieve this conservation and development vision;
- Agriculture and ranching are carried out following best management practices on lands that are appropriate and legal;
- Transportation and energy infrastructure development is planned, designed and implemented to minimise the impact on natural ecosystems, hydrological disruption and impoverishment of biological and cultural diversity.

As part of our initiative, WWF together with the IUCN, Amazon Cooperation Treaty Organisation and the Secretariat for the Convention of Biological Diversity and others are supporting The Latin American Technical Cooperation Network on National Parks, other Protected Areas and Wildlife (REDPARQUES) in building a protected areas conservation vision for the Amazon.

This vision will build on the existing conservation strategies and protected area systems in each of the Amazon countries. It will help to meet commitments under the Convention on Biological Diversity and, in particular, its programme of work on protected areas.

In the Amazon, the whole is more than the sum of its parts, and the development of a vision for conservation will help maintain the integrity, functionality and resilience of the Amazon, now faced with growing threats, particularly climate change.



A Yanomami Indian weaves a traditional basket. The Amazon is home to more than 320 indigenous groups.

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⁹¹ Nepstad, D. Olmeida, O. Rivero, S. Soares-Filho, B. and Nilo Jr, J. 2008. *Assessment of the Agriculture and Livestock Sectors in the Amazon and Recommendations for Action* (Penultimate draft).

⁹² Ibid.

⁹³ Alvarez, MD. 2005. Colombia, the Many Faces of War. *European Tropical Forest Research Network News*, 43-44, no. 05: 63-65.

⁹⁴ Nepstad, D. 2007. Climate Change and the Forest. *The American Prospect*, 18:A6.

⁹⁵ Nepstad, D. 2007. *The Amazon's Vicious Cycles. Drought and Fire in the Greenhouse*. A report for the World Wide Fund for Nature (WWF), Gland, Switzerland.

⁹⁶ Ibid.

⁹⁷ IUCN, 2009. *IUCN Red List of Threatened Species*. Version 2009.2. www.iucnredlist.org. Downloaded on 2 December 2009.

Appendix. New species discoveries

Methodology

We've only included new discoveries that have been described in peer-reviewed scientific journals in this report. The new species were identified by scientists from a number of institutions around the world, including museums, universities, government departments and non-governmental organisations.

WWF was involved in the discovery of some of the new finds. In addition, we've assisted scientists from other institutions by organising research permits, helping with logistics, and identifying research locations.

This report presents a list of new species. The list was informed by a variety of expeditions and data retrieved from scientific databases, appendices, reports and scientific journals. It was then further informed and refined through correspondence and advice received from scientists. The list is not an exhaustive record of new species found in the Amazon biome between 1999 and 2009.

In addition, many other species that may eventually turn out to be new to science will have been encountered and collected in the Amazon biome over the past 10 years. These species are currently awaiting official scientific recognition. For scientific credibility, these species have not been included in the list.

Plants

| Species | Scientist(s) | Date | Location |
|----------------------------------|--------------------------|------|---|
| <i>Acalypha simplicistyla</i> | Cardiel | 2003 | San Martin Region, Peru |
| <i>Adiantum krameri</i> | Zimmer | 2007 | French Guiana |
| <i>Adiantum windschii</i> J | Prado | 2005 | States of Acre, Amazonas, Mato Grosso, Para, Brazil |
| <i>Ageratina feuereri</i> | H.Rob. | 2006 | La Paz, Bolivia |
| <i>Alatiglossum culuense</i> | Docha Neto & Benelli | 2006 | Mato Grosso State, Brazil |
| <i>Alchornea websteri</i> | Secco | 2004 | Zamora Chinchipe Province, Ecuador |
| <i>Aldina amazonica</i> | M.Yu.Gontsch. & Yakovlev | 2006 | Amazon |
| <i>Aldina diplogyne</i> | Stergios & Aymard | 2008 | Bolivar, Venezuela |
| <i>Aldina microphylla</i> | M.Yu.Gontsch. & Yakovlev | 2006 | Amazon |
| <i>Aldina stergiosii</i> | M.Yu.Gontsch. & Yakovlev | 2006 | Amazon |
| <i>Alstroemeria paraensis</i> | Assis | 2006 | State of Para, Brazil |
| <i>Anthurium ancushii</i> | Croat & Carlsen | 2004 | Amazon |
| <i>Anthurium apanui</i> | Croat | 2005 | Amazon |
| <i>Anthurium atamainii</i> | Croat | 2005 | Amazon |
| <i>Anthurium baguense</i> | Croat | 2005 | Amazon |
| <i>Anthurium ceronii</i> | Croat | 2005 | Napo Province, Ecuador |
| <i>Anthurium chinimense</i> | Croat | 2005 | Amazon |
| <i>Anthurium constrictum</i> | Croat & Carlsen | 2004 | Zamora Chinchipe Province, Ecuador |
| <i>Anthurium curicuriariense</i> | Croat | 2005 | Amazon |
| <i>Anthurium diazii</i> | Croat | 2005 | Amazon |
| <i>Anthurium galileanum</i> | Croat | 2005 | Amazon |
| <i>Anthurium huampamiense</i> | Croat | 2005 | Amazon |
| <i>Anthurium huashikatii</i> | Croat | 2005 | Amazon |
| <i>Anthurium kayapii</i> | Croat | 2005 | Loreto Region, Peru |
| <i>Anthurium kugkumasi</i> | Croat | 2005 | Amazon |
| <i>Anthurium kusuense</i> | Croat | 2005 | Amazon |
| <i>Anthurium leveaui</i> | Croat | 2005 | Amazon |
| <i>Anthurium ligulare</i> | Croat | 2005 | Loreto Region, Peru |
| <i>Anthurium mariae</i> | Croat & Lingán | 2005 | Amazon |
| <i>Anthurium moonenii</i> | Croat & E.G.Gonç. | 2005 | French Guiana |
| <i>Anthurium moronense</i> | Croat & Carlsen | 2004 | Morona-Santiago Province, Ecuador |
| <i>Anthurium mostaceroi</i> | Croat | 2005 | Amazon |
| <i>Anthurium palacioanum</i> | Croat | 2007 | Napo Province, Ecuador |
| <i>Anthurium penae</i> | Croat | 2005 | Amazon |
| <i>Anthurium pinkleyi</i> | Croat & Carlsen | 2004 | Napo Province, Ecuador |
| <i>Anthurium quipuscoae</i> | Croat | 2005 | Amazon |
| <i>Anthurium rojasiae</i> | Croat | 2005 | Amazon |
| <i>Anthurium shinumas</i> | Croat | 2005 | Amazon |
| <i>Anthurium sidneyi</i> | Croat & Lingán | 2005 | Loreto Region, Peru |
| <i>Anthurium ternifolium</i> | Croat & Carlsen | 2004 | Pastaza Department, Ecuador |
| <i>Anthurium tsamajainii</i> | Croat | 2005 | Amazon |
| <i>Anthurium tunquii</i> | Croat | 2005 | Amazon |
| <i>Anthurium yamayakatense</i> | Croat | 2005 | Amazon |
| <i>Arachis gregoryi</i> | Simpson, Krapov. & Valls | 2005 | Mato Grosso State, Brazil |
| <i>Arachis linearifolia</i> | Valls, Krapov. & Simpson | 2005 | Mato Grosso State, Brazil |
| <i>Arachis submarginata</i> | Valls, Krapov. & Simpson | 2005 | Mato Grosso State, Brazil |
| <i>Aristolochia kanukuensis</i> | Feuillet | 2007 | Guyana |
| <i>Arthrostylidium berryi</i> | Judziewicz & Davidse | 2008 | Amazon |
| <i>Asplenium palaciosii</i> | A.Rojas | 2008 | Zamora-Chinchipe Province, Ecuador |
| <i>Asplenium sessilipinum</i> | A.Rojas | 2008 | Napo Province, Ecuador |
| <i>Aulonemia nitida</i> | Judz. | 2005 | Guyana |
| <i>Bactris nancibaensis</i> | J.J. de Granville | 2007 | French Guiana |
| <i>Banisteriopsis macedae</i> | W.R.Anderson | 2007 | Madre de Dios Region, Peru |

Plants

| Species | Scientist(s) | Date | Location | Species | Scientist(s) | Date | Location |
|-----------------------------------|-----------------------------|------|---|-------------------------------------|------------------------------------|------|--|
| <i>Bauhinia arborea</i> | Wunderlin | 2006 | Napo Province, Ecuador | <i>Crematosperma cenepense</i> | Pirie & Zapata | 2004 | Amazon |
| <i>Besleria neblinae</i> | Feuille | 2008 | Amazon | <i>Crematosperma yamayakatense</i> | Pirie | 2004 | Amazon |
| <i>Besleria yatuana</i> | Feuille | 2008 | Amazon | <i>Cremersia platula</i> | Feuille & Skog | 2003 | French Guiana |
| <i>Blechnum bicolor</i> | M.Kessler & A.R.Sm. | 2007 | La Paz, Bolivia | <i>Croton faroensis</i> | Secco | 2004 | Para State, Brazil |
| <i>Blechnum bolivianum</i> | M.Kessler & A.R.Sm. | 2007 | La Paz, Bolivia | <i>Croton subasperrimum</i> | Secco, Berry & Rosário | 2005 | Amazon |
| <i>Blechnum bruneum</i> | M.Kessler & A.R.Sm. | 2007 | La Paz, Bolivia | <i>Cuphea alatosperma</i> | T.B.Cavalc. & S.A.Graham | 2008 | Amazon |
| <i>Blechnum guayanense</i> | A.Rojas | 2008 | Guyana | <i>Cuphea exilis</i> | T.B.Cavalc. & S.A.Graham | 2008 | Para State, Brazil |
| <i>Blechnum pazense</i> | M.Kessler & A.R.Sm. | 2007 | La Paz, Bolivia | <i>Curtia ayangannae</i> | L. Cobb & Jans.-Jac. | 2007 | Guyana |
| <i>Blechnum repens</i> | M.Kessler & A.R.Sm. | 2007 | La Paz, Bolivia | <i>Cyathea bettiniae</i> | Lehnert | 2004 | La Paz, Bolivia |
| <i>Blechnum smilodon</i> | M.Kessler & Lehnert | 2007 | La Paz, Bolivia | <i>Cyathea obnoxia</i> | Lehnert | 2006 | Zamora-Chinchipe Province, Ecuador |
| <i>Bocoa ratterii</i> | H.E.Ireland | 2007 | Maranhao State, Brazil | <i>Cyathea plicata</i> | Lehnert | 2006 | Zamora-Chinchipe Province, Ecuador |
| <i>Bomarea amazonica</i> | Hofreiter & E.Rodr. | 2006 | Amazon | <i>Cybianthus tayoensis</i> | Pipoly & Ricketson | 2006 | Amazon |
| <i>Borreria amapaensis</i> | E.L.Cabral & Bacigalupo | 2004 | Amapa State, Brazil | <i>Dacryodes edisonii</i> | Daly | 2005 | Acre State, Brazil |
| <i>Borreria guimaraesensis</i> | E.L.Cabral & Bacigalupo | 2004 | Mato Grosso State, Brazil | <i>Danaea ushana</i> | Christenh. | 2006 | French Guiana |
| <i>Borreria pazensis</i> | E.L.Cabral & Bacigalupo | 2005 | La Paz, Bolivia | <i>Daphnopsis granitica</i> | Pruski & Barringer | 2005 | French Guiana |
| <i>Borreria tocaninsiana</i> | E.L.Cabral & Bacigalupo | 2004 | Tocantins State, Brazil | <i>Daphnopsis granvillei</i> | Barringer | 2005 | French Guiana |
| <i>Brachionidium condorensis</i> | L.Jost | 2004 | Morona-Santiago Province, Ecuador | <i>Davilla neei</i> | Aymard | 2007 | Amazon |
| <i>Brachionidium deflexum</i> | L.Jost | 2004 | Morona-Santiago Province, Ecuador | <i>Dieffenbachia wurdackii</i> | Croat | 2005 | Loreto Region, Peru |
| <i>Bromelia araujoii</i> | P.J.Braun, Esteves & Scharf | 2008 | Maranhao State, Brazil | <i>Dilkea lecta</i> | Feuille | 2009 | Suriname, French Guiana |
| <i>Bromelia braunii</i> | Leme & Esteves | 2003 | Tocantins State, Brazil | <i>Dilkea vanessae</i> | Feuille | 2009 | French Guiana |
| <i>Bulbostylis medusae</i> | Prata, Reynders & Goetgh. | 2007 | Amazon | <i>Diospyros gallo</i> | Wallnöfer | 2000 | Bolivar State, Venezuela |
| <i>Butia exospadix</i> | Noblick | 2006 | Para State, Brazil | <i>Diospyros ottohuberi</i> | Wallnöfer | 2000 | Bolivar State, Venezuela |
| <i>Byrsonima homeieri</i> | W.R.Anderson | 2007 | Zamora-Chinchipe Province, Ecuador | <i>Diospyros paraensis</i> | Sothers | 2003 | Para State, Brazil |
| <i>Calathea hopkinsii</i> | Forzza | 2007 | Amazon | <i>Diospyros tepu</i> | Wallnöfer | 2000 | Bolivar, Venezuela |
| <i>Caluera tavaresii</i> | Campacci & J.B.F.Silva | 2008 | Para State, Brazil | <i>Diospyros xavantina</i> | Sothers | 2003 | Mato Grosso State, Brazil |
| <i>Calycolpus aequatorialis</i> | Landrum | 2005 | Sucumbios Province, Ecuador | <i>Diplusodon cryptanthus</i> | T.B.Cavalc. | 2004 | Tocantins State, Brazil |
| <i>Calycolpus andersonii</i> | Landrum | 2008 | Para State, Brazil | <i>Doliticarpus schultesianus</i> | Aymard | 2007 | Vaupés Department, Colombia |
| <i>Calypranthes ishoaquinicca</i> | M.L.Kawas. & B.Holst | 2005 | Sucumbios, Ecuador | <i>Doryopteris surinamensis</i> | Yesilyurt | 2008 | Suriname |
| <i>Calypranthes manuensis</i> | B.Holst & M.L.Kawas. | 2006 | Madre de Dios Region, Peru | <i>Dracontium guianense</i> | G.H.Zhu & Croat | 2004 | French Guiana |
| <i>Campyloneurum amazonense</i> | B.León | 2004 | Amazon | <i>Dracontium iquitense</i> | E.C.Morgan & J.A.Sperling | 2007 | Loreto Region, Peru |
| <i>Cappariadstrum frondosum</i> | X. Cornejo & H.H. Iltis | 2008 | French Guiana; Guyana; Suriname; States of Amazonas, Bolivar, Venezuela | <i>Dracula mendozae</i> | Luer & V.N.M.Rao | 2004 | Zamora-Chinchipe Province, Ecuador |
| <i>Cappariadstrum osmanthum</i> | X. Cornejo & H.H. Iltis | 2008 | Bolivar, Delta Amacuro, Venezuela, | <i>Drosera amazonica</i> | Rivadavia, Fleischm. & Vicent. | 2009 | States of Amazonas, Roraima, Brazil |
| <i>Castelnavia noveloi</i> | C.T.Philbrick & C.P.Bove | 2008 | Tocantins State, Brazil | <i>Drosera grantsau</i> | Rivadavia | 2003 | States of Mato Grosso, Tocantins, Para, Brazil |
| <i>Catasetum apolloi</i> | Benelli & Grade | 2008 | Mato Grosso State, Brazil | <i>Drosera solaris</i> | A.Fleischm., Wistuba & S.McPherson | 2007 | Guyana |
| <i>Catasetum dejeaniorum</i> | Chiron | 2006 | French Guiana | <i>Elaphoglossum arachnidoideum</i> | Mickel | 2008 | Guyana |
| <i>Catasetum hopkinsonianum</i> | G.F.Carr & V.P.Castro | 2008 | Rondonia State, Brazil | <i>Elaphoglossum boudriei</i> | Mickel | 2008 | Guyana |
| <i>Catasetum rionegrense</i> | Campacci & G.F.Carr | 2008 | Amazon | <i>Elaphoglossum choquetangae</i> | M.Kessler & Mickel | 2006 | La Paz, Bolivia |
| <i>Catasetum teixeiranum</i> | Campacci & J.B.F.Silva | 2008 | Amazon | <i>Elaphoglossum cotapatense</i> | M.Kessler & Mickel | 2006 | La Paz, Bolivia |
| <i>Catostemma lemense</i> | Sanoja | 2005 | Bolivar State, Venezuela | <i>Elaphoglossum cremersii</i> | Mickel | 2008 | French Guiana |
| <i>Cayaponia ferruginea</i> | Gomes-Klein | 2005 | Amazon | <i>Elaphoglossum crispipalae</i> | M.Kessler & Mickel | 2006 | La Paz, Bolivia |
| <i>Ceiba lupuna</i> | P.E.Gibbs & Semir | 2003 | San Martin Region, Peru | <i>Elaphoglossum elkeae</i> | M.Kessler & Mickel | 2006 | La Paz, Bolivia |
| <i>Ceratostema oyacachiensis</i> | Luteyn | 2005 | Napo Province, Ecuador | <i>Elaphoglossum ellenbergianum</i> | M.Kessler & Mickel | 2006 | La Paz, Bolivia |
| <i>Ceratostema pendens</i> | Luteyn | 2005 | Morona-Santiago Province, Ecuador | <i>Elaphoglossum gonzalesiae</i> | M.Kessler & Mickel | 2006 | La Paz, Bolivia |
| <i>Cereus yungasensis</i> | Fuentes & Quispe | 2009 | La Paz, Bolivia | <i>Elaphoglossum inquisitivum</i> | M.Kessler & Mickel | 2006 | La Paz, Bolivia |
| <i>Chrysophyllum wilsonii</i> | T.D.Penn. | 2006 | Amazon | <i>Elaphoglossum maddiense</i> | M.Kessler & Mickel | 2006 | La Paz, Bolivia |
| <i>Cissus flavens</i> | Desc. | 2009 | French Guiana | <i>Elaphoglossum murinum</i> | M.Kessler & Mickel | 2006 | La Paz, Bolivia |
| <i>Cissus kawensis</i> | Desc. | 2009 | French Guiana | <i>Elaphoglossum neei</i> | M.Kessler & Mickel | 2006 | La Paz, Bolivia |
| <i>Cnidocolus adenochlamys</i> | Fern.Casas | 2004 | Maranhao State, Brazil | <i>Elaphoglossum paucinervium</i> | M.Kessler & Mickel | 2006 | La Paz, Bolivia |
| <i>Cnidocolus aurelii</i> | Fern.Casas | 2004 | Tocantins State, Brazil | <i>Elaphoglossum paxense</i> | A.Rojas | 2003 | La Paz, Bolivia |
| <i>Cnidocolus graminifolius</i> | Fern.Casas | 2006 | Tocantins State, Brazil | <i>Elaphoglossum puberulentum</i> | M.Kessler & Mickel | 2006 | La Paz, Bolivia |
| <i>Cnidocolus mitis</i> | Fern.Casas | 2005 | Mato Grosso State, Brazil | <i>Elaphoglossum rosetum</i> | R.C.Moran & Mickel | 2004 | La Paz, Bolivia |
| <i>Cochlidium acrosorum</i> | A.Rojas | 2007 | Bolivar State, Venezuela | <i>Elaphoglossum semisubulatum</i> | R.C.Moran & Mickel | 2004 | La Paz, Bolivia |
| <i>Cochlidium nervatum</i> | A.Rojas | 2007 | Amazon | <i>Elaphoglossum solomonii</i> | A.Rojas | 2003 | La Paz, Bolivia |
| <i>Cordia cremersii</i> | Feuille | 2003 | French Guiana | <i>Elaphoglossum sunduei</i> | M.Kessler & Mickel | 2006 | La Paz, Bolivia |
| <i>Cordia fanchoniae</i> | Feuille | 2008 | French Guiana | <i>Encyclia chironii</i> | V.P.Castro & J.B.F.Silva | 2004 | Amazon |
| <i>Cordia marioniae</i> | Feuille | 2003 | Guyana | <i>Encyclia clovesiana</i> | L.C.Menezes & V.P.Castro | 2007 | Rondonia State, Brazil |
| <i>Coryanthes pacaratimensis</i> | Campacci & J.B.F.Silva | 2007 | State of Roraima, Brazil | <i>Endlicheria arachnocome</i> | Chanderb. | 2004 | Loreto Region, Peru |
| <i>Coussarea longilaciniata</i> | Delprete | 2006 | Guyana | <i>Endlicheria arenosa</i> | Chanderb. | 2004 | Amazon |
| <i>Coussarea spicata</i> | Delprete | 2006 | French Guiana | <i>Endlicheria argentea</i> | Chanderb. | 2004 | Loreto Region, Peru |
| <i>Crematosperma bullatum</i> | Pirie | 2004 | Amazon | <i>Endlicheria aurea</i> | Chanderb. | 2004 | La Paz, Bolivia |
| | | | | <i>Endlicheria chrysovelutina</i> | Chanderb. | 2004 | Loreto Region, Peru |

Plants

| Species | Scientist(s) | Date | Location | Species | Scientist(s) | Date | Location |
|------------------------------------|------------------------------|------|--|-----------------------------------|----------------------------------|------|---|
| <i>Endlicheria coriacea</i> | Chanderb. | 2004 | Amazon | <i>Hibiscus chancoae</i> | Krapov. & Fryxell | 2004 | San Martin Region, Peru |
| <i>Endlicheria ferruginosa</i> | Chanderb. | 2004 | Napo Province, Ecuador | <i>Hibiscus ferreirae</i> | Fryxell & Krapov. | 2004 | Mato Grosso State, Brazil |
| <i>Endlicheria griseosericea</i> | Chanderb. | 2004 | Napo Province, Ecuador | <i>Hibiscus manuripiensis</i> | Krapov. | 2008 | Pando, Bolivia |
| <i>Endlicheria lorastemon</i> | Chanderb. | 2004 | Zamora-Chinchipe Province, Ecuador | <i>Hibiscus paludicola</i> | Fryxell & Krapov. | 2004 | Mato Grosso State, Brazil |
| <i>Endlicheria rubra</i> | Chanderb. | 2004 | San Martin Region, Peru | <i>Hibiscus sardii</i> | Krapov. & Fryxell | 2004 | Mato Grosso State, Brazil |
| <i>Endlicheria ruforamula</i> | Chanderb. | 2004 | San Martin Region, Peru | <i>Hibiscus windschii</i> | Krapov. & Fryxell | 2004 | Mato Grosso State, Brazil |
| <i>Ephedranthus boliviensis</i> | Chatrou & Pirie | 2003 | Acre State, Brazil | <i>Hiraea glabrata</i> | W.R.Anderson & C.Davis | 2005 | Rondonia State, Brazil |
| <i>Epidendrum dejeaniae</i> | Chiron, Hågsater & L.Sánchez | 2006 | French Guiana | <i>Hypolytrum leptocalamum</i> | M. Alves & W.W. Thomas | 2002 | Guyana |
| <i>Epidendrum foulquieri</i> | Chiron | 2005 | French Guiana | <i>Inga loubryana</i> | Poncy | 2007 | Guyana, French Guiana |
| <i>Epidendrum paruiense</i> | G.A. Romero & Carnevali | 2004 | Guyana | <i>Ixora araguaiensis</i> | Delprete | 2008 | Tocantins State, Brazil |
| <i>Epidendrum reclinatum</i> | Carnevali & I.Ramírez | 2003 | Guyana | <i>Ixora irwinii</i> | Delprete | 2008 | Tocantins State, Brazil |
| <i>Epidendrum strobilicaule</i> | Hågsater & Benelli | 2008 | Mato Grosso State, Brazil | <i>Justicia mcdowellii</i> | Wassh. | 2003 | Guyana |
| <i>Episcia duidae</i> | Feuillet | 2008 | Amazon | <i>Justicia mesetarum</i> | Wassh. & J.R.I.Wood | 2004 | Mato Grosso State, Brazil |
| <i>Episcia rubra</i> | Feuillet | 2008 | Amazon | <i>Justicia obovata</i> | Wassh. & J.R.I.Wood | 2004 | States of Acre, Amazonas, Brazil |
| <i>Erythroxylum timothei</i> | Loiola & Sales | 2009 | Maranhao State, Brazil | <i>Justicia rhomboidea</i> | Wassh. & J.R.I.Wood | 2004 | States of Amazonas, Rondonia, Brazil |
| <i>Eugenia breviracemosa</i> | Mazine | 2009 | Amazon | <i>kanukuensis</i> Feuillet | Feuillet | 2007 | Guyana |
| <i>Eugenia caducibracteata</i> | Mazine | 2009 | States of Amazonas, Maranhao, Para, Brazil | <i>Kreodanthus rotundifolius</i> | Ormerod | 2005 | Amazon |
| <i>Eugenia galbaensis</i> | Mattos | 2005 | French Guiana | <i>Lampadaria rupestris</i> | Feuillet & L.E. Skog | 2003 | Guyana |
| <i>Eugenia pallidopunctata</i> | Mazine | 2009 | Para State, Brazil | <i>Larnax bongaraensis</i> | S.Leiva | 2006 | Amazon |
| <i>Eugenia tenuiflora</i> | Mazine | 2009 | Amazon | <i>Larnax maculatifolia</i> | E.Rodr. & S.Leiva | 2006 | Amazon |
| <i>Festuca sumapana</i> | Stančík | 2003 | Meta Department, Colombia | <i>Larnax pomacochaensis</i> | S.Leiva | 2006 | Amazon |
| <i>Ficus duartei</i> | C.C. Berg & Carauta | 2003 | French Guiana | <i>Lecointea guianensis</i> | Gontsch. & Yakovlev | 2006 | French Guiana |
| <i>Ficus duckeana</i> | C.C. Berg & Ribeiro | 2003 | French Guiana | <i>Lepanthes neillii</i> | L.Jost | 2004 | Morona-Santiago Province, Ecuador |
| <i>Fosterella batistana</i> | Ibisch, Leme & J.Peters | 2009 | Para State, Brazil | <i>Lepanthes rigidigitata</i> | Luer & Hirtz | 2004 | Morona-Santiago Province, Ecuador |
| <i>Galactophora angustifolia</i> | J.F.Morales | 2005 | Caqueta Department, Colombia | <i>Lepidagathis callistachys</i> | Kameyama | 2009 | States of Mato Grosso, Rondonia, Brazil |
| <i>Galeandra santarena</i> | S.H.N.Monteiro & J.B.F.Silva | 2003 | Para State, Brazil | <i>Lepidagathis paraensis</i> | Kameyama | 2009 | Para State, Brazil |
| <i>Galianthe boliviana</i> | E.L.Cabral | 2005 | La Paz, Bolivia | <i>Lepidagathis wasshausenii</i> | Kameyama | 2009 | Mato Grosso State, Brazil |
| <i>Galianthe sudyungensis</i> | E.L.Cabral | 2005 | La Paz, Bolivia | <i>Lessingianthus longicuspis</i> | Dematt. | 2008 | Mato Grosso State, Brazil |
| <i>Galipea congestiflora</i> | Pirani | 2004 | States of Maranhão, Para, Tocantins, Brazil | <i>Licaria aureosericea</i> | van der Werff | 2000 | Guyana |
| <i>Galipea maxima</i> | Pirani & Kallunki | 2007 | Loreto Region, Peru | <i>Licaria rufotomentosa</i> | van der Werff | 2003 | French Guiana |
| <i>Gongora jauariensis</i> | Campacci & J.B.F.Silva | 2009 | Amazon | <i>Ligeophila chinimensis</i> | Ormerod | 2005 | Amazon |
| <i>Grosvenoria zamorensis</i> | H.Rob. | 2006 | Zamora-Chinchipe Province, Ecuador | <i>Ligeophila unicornis</i> | Ormerod | 2008 | Amazon |
| <i>Guadua incana</i> | Londoño | 2008 | Caqueta Department, Colombia | <i>Lindmania vinotincta</i> | B.Holst & Vivas | 2009 | Boliviar, Venezuela |
| <i>Gutteria alticola</i> | Scharf & Maas | 2005 | Guyana | <i>Lindsaea digitata</i> | Lehtonen & Tuomisto | 2008 | Amazon |
| <i>Gutteria anteridifera</i> | Scharf & Maas | 2008 | French Guiana; Amapa, Brazil | <i>Lissocarpa kating</i> | B.Walln. | 2004 | Loreto Region, Peru |
| <i>Gutteria anthracina</i> | Scharf & Maas | 2006 | French Guiana; Guyana; Suriname | <i>Lissocarpa ronliesneri</i> | B.Walln. | 2004 | Zamora-Chinchipe Province, Ecuador |
| <i>Gutteria arenicola</i> | Maas & Erkens | 2008 | Acre State, Brazil | <i>Lissocarpa vyat</i> | B.Walln. | 2004 | Amazon |
| <i>Gutteria ayangannae</i> | Scharf & Maas | 2005 | Guyana | <i>Lycopodiella krameriana</i> | B.Øllg. | 2004 | Suriname |
| <i>Gutteria duodecima</i> | Maas & Westra | 2008 | Acre State, Brazil | <i>Macrocarpaea ayangannae</i> | J.R. Grant, Struwe & J.K. Boggan | 2001 | Guyana |
| <i>Gutteria elegans</i> | Scharf | 2006 | French Guiana | <i>Macrocarpaea berryi</i> | Grant | 2005 | Zamora-Chinchipe Province, Ecuador |
| <i>Gutteria flabellata</i> | Erkens & Maas | 2008 | States of Amazonas, Rondonia, Brazil | <i>Macrocarpaea chthonotropa</i> | Grant | 2005 | San Martin Region, Peru |
| <i>Gutteria intermedia</i> | Scharf | 2006 | States of Amazonas, Amapa, Brazil; French Guiana; Suriname | <i>Macrocarpaea claireae</i> | Grant | 2008 | Zamora-Chinchipe Province, Ecuador |
| <i>Gutteria japurensis</i> | Maas & Westra | 2008 | Amazon | <i>Macrocarpaea dies-viridis</i> | Grant | 2007 | Zamora-Chinchipe Province, Ecuador |
| <i>Gutteria leucotricha</i> | Scharf & Maas | 2006 | French Guiana | <i>Macrocarpaea dillonii</i> | Grant | 2004 | Amazon |
| <i>Gutteria minutiflora</i> | Scharf & Maas | 2006 | Guyana; Suriname | <i>Macrocarpaea gran-pajatena</i> | Grant | 2005 | San Martin Region, Peru |
| <i>Gutteria montis-trinitatis</i> | Scharf | 2006 | French Guiana | <i>Macrocarpaea hilarula</i> | Grant | 2005 | Meta Department, Colombia |
| <i>Gutteria pakaraimae</i> | Scharf & Maas | 2005 | Guyana | <i>Macrocarpaea innarvabilis</i> | Grant | 2004 | Amazon |
| <i>Gutteria pannosa</i> | Scharf & Maas | 2006 | French Guiana; Amapa State, Brazil | <i>Macrocarpaea jactans</i> | Grant | 2005 | Napo Province, Ecuador |
| <i>Gutteria partangensis</i> | Scharf & Maas | 2005 | Guyana | <i>Macrocarpaea kuelpap</i> | Grant | 2004 | Amazon |
| <i>Gutteria wokumungensis</i> | Scharf & Maas | 2005 | Guyana | <i>Macrocarpaea laudabilis</i> | Grant | 2005 | Caqueta Department, Colombia |
| <i>Guzmania pseudodissitiflora</i> | H.Luther & K.F.Norton | 2008 | Zamora-Chinchipe Province, Ecuador | <i>Macrocarpaea luctans</i> | Grant | 2007 | Amazon |
| <i>Guzmania vinacea</i> | H.Luther & K.F.Norton | 2008 | Amazon | <i>Macrocarpaea huya</i> | Grant | 2004 | Amazon |
| <i>Habenaria ludibundiciata</i> | J.A.N.Bat. & Bianch. | 2006 | States of Mato Grosso, Maranhao, Para, Roraima, Brazil | <i>Macrocarpaea neillii</i> | Grant | 2005 | Zamora-Chinchipe Province, Ecuador |
| <i>Habranthus minor</i> | Ravenna | 2003 | Tocantins State, Brazil | <i>Macrocarpaea opulenta</i> | Grant | 2007 | Zamora-Chinchipe Province, Ecuador |
| <i>Hekkingia bordenavei</i> | H.E. Ballard & Munzinger | 2003 | French Guiana | <i>Macrocarpaea pringleana</i> | Grant | 2004 | Pastaza Province, Ecuador |
| <i>Heteropsis croatii</i> | M.L.Soaes | 2009 | States of Amazonas, Acre, Brazil | <i>Macrocarpaea quechua</i> | Grant | 2005 | San Martin Region, Peru |
| <i>Heteropsis duckeana</i> | M.L.Soaes | 2009 | States of Amazonas, Para, Brazil | <i>Macrocarpaea quizhpei</i> | Grant | 2008 | Zamora-Chinchipe Province, Ecuador |
| <i>Heterotaxis schultesii</i> | Ojeda & G.A.Romero | 2005 | Amazon | <i>Macrocarpaea weigendiorum</i> | J.R.Grant | 2004 | Ucayali Region, Peru |
| <i>Hibiscus andersonii</i> | Krapov. & Fryxell | 2004 | Mato Grosso State, Brazil | <i>Macrocarpaea ypsilocalae</i> | Grant | 2005 | Putumayo Department, Colombia |
| | | | | <i>Macroclinium paraense</i> | Campacci & J.B.F.Silva | 2009 | Para State, Brazil |

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| Species | Scientist(s) | Date | Location | Species | Scientist(s) | Date | Location |
|-------------------------------------|--------------------------|------|--|------------------------------------|---|------|--------------------------------------|
| <i>Malouetia gentryi</i> | M.E.Endress | 2004 | Loreto Region, Peru | <i>Nautilocalyx paujiensis</i> | Feuille | 2008 | Bolivar State, Venezuela |
| <i>Mandevilla amazonica</i> | J.F.Morales | 2005 | Amazon | <i>Nautilocalyx pusillus</i> | Feuille | 2008 | Bolivar State, Venezuela |
| <i>Mandevilla columbiana</i> | J.F.Morales | 2005 | Caqueta Department, Colombia | <i>Nautilocalyx roseus</i> | Feuille | 2008 | Bolivar State, Venezuela |
| <i>Mandevilla matogrossana</i> | J.F.Morales | 2005 | Mato Grosso State, Brazil | <i>Nautilocalyx ruber</i> | Feuille | 2008 | Amazon |
| <i>Mandevilla megabracteata</i> | J.F.Morales | 2007 | Guyana | <i>Nautilocalyx vestitus</i> | Feuille | 2008 | Bolivar State, Venezuela |
| <i>Mandevilla similaris</i> | J.F.Morales | 2007 | Bolivar State, Venezuela | <i>Neocalyptrocalyx morii</i> | X. Cornejo & H.H. Iltis | 2008 | French Guiana |
| <i>Manihot baccata</i> | Allen | 1999 | French Guiana | <i>Neosprucea paterna</i> | M.H.Alford | 2008 | Guyana |
| <i>Maranta coriacea</i> | S.Vieira & V.C.Souza | 2008 | States of Mato Grosso, Tocantins, Brazil | <i>Ocotea badia</i> | van der Werff | 2005 | Amazon |
| <i>Maranta longiflora</i> | S.Vieira & V.C.Souza | 2008 | Tocantins State, Brazil | <i>Ocotea hirtandra</i> | van der Werff | 2005 | Amazon |
| <i>Maranta pulchra</i> | S.Vieira & V.C.Souza | 2008 | Mato Grosso State, Brazil | <i>Ocotea imazensis</i> | van der Werff | 2005 | Amazon |
| <i>Maranta purpurea</i> | S.Vieira & V.C.Souza | 2008 | Mato Grosso State, Brazil | <i>Ocotea laevifolia</i> | van der Werff | 2005 | Amazon |
| <i>Marcgraviastrum grandiflorum</i> | de Roon & Bedell | 2006 | Amazon | <i>Ocotea lenitae</i> | van der Werff | 2005 | San Martin Region, Peru |
| <i>Margaritopsis inconspicua</i> | C.M.Taylor | 2005 | States of Acre, Amazonas, Brazil | <i>Ocotea leptophylla</i> | van der Werff | 2005 | Amazon |
| <i>Markea vasquezii</i> | E.Rodr. | 2006 | Amazon | <i>Ocotea vasquezii</i> | van der Werff | 2005 | Amazon |
| <i>Mascagnia aequatorialis</i> | W.R.Anderson & C.Davis | 2005 | Napo Province, Ecuador | <i>Octomeria portillae</i> | Luer & Hirtz | 2004 | Zamora-Chinchi Province, Ecuador |
| <i>Mascagnia affinis</i> | W.R.Anderson & C.Davis | 2005 | Mato Grosso State, Brazil | <i>Ophiocaryon barnebyanum</i> | Aymard & Daly | 2006 | Amazon |
| <i>Mascagnia arenicola</i> | C. Anderson | 2001 | Guyana | <i>Ornithidium elianae</i> | Carnevali & M.A. Blanco | 2008 | French Guiana; Guyana; Suriname |
| <i>Mascagnia conformis</i> | W.R.Anderson | 2007 | French Guiana | <i>Oryctanthus minor</i> | Kuiji | 2009 | French Guiana |
| <i>Mascagnia glabrata</i> | W.R.Anderson & C.Davis | 2005 | States of Mato Grosso, Rondonia, Brazil | <i>Oryctina atrolineata</i> | Kuiji | 2003 | Guyana |
| <i>Masdevallia aptera</i> | Luer & L.O'Shaughn. | 2004 | Zamora-Chinchi Province, Ecuador | <i>Ouratea acicularis</i> | R.G.Chacon & K.Yamam. | 2008 | Tocantins State, Brazil |
| <i>Masdevallia friehmannii</i> | Luer & Vasquez | 2001 | Madidi National Park, La Paz, Bolivia | <i>Ouratea candelabra</i> | Sastre | 2006 | Guyana |
| <i>Masdevallia lynniana</i> | Luer | 2004 | Zamora-Chinchi Province, Ecuador | <i>Ouratea claudaei</i> | Salvador, E.P.Santos & Cervi | 2006 | Tocantins State, Brazil |
| <i>Matelea quindecimlobata</i> | Farinaccio & W.D.Stevens | 2009 | Amazon | <i>Ouratea jansen-jacobsiae</i> | Sastre | 2007 | Guyana; Suriname |
| <i>Maxillaria kelloffiana</i> | Christenson | 2009 | Guyana; Roraima State, Brazil | <i>Ouratea javariensis</i> | Sastre | 2005 | Amazon |
| <i>Megalastrum alticola</i> | Kessler & Sm. | 2006 | La Paz, Bolivia | <i>Ouratea miniguitanensis</i> | Sastre | 2007 | French Guiana |
| <i>Megalastrum ciliatum</i> | Kessler & Sm. | 2006 | La Paz, Bolivia | <i>Ouratea pseudogigantophylla</i> | Sastre | 2006 | Suriname |
| <i>Megalastrum marginatum 6j</i> | Kessler & Sm. | 2006 | La Paz, Bolivia | <i>Ouratea retrorsa</i> | Sastre | 2007 | French Guiana |
| <i>Megalastrum rupicola</i> | Kessler & Sm. | 2006 | La Paz, Bolivia | <i>Ouratea sipaliwiniensis</i> | Sastre | 2007 | Suriname |
| <i>Melpomene caput-gorgonis</i> | Lehnert | 2009 | La Paz, Bolivia | <i>Ouratea superimpressa</i> | Sastre | 2007 | Guyana |
| <i>Melpomene flagellata</i> | Lehnert | 2009 | La Paz, Bolivia | <i>Ouratea takuensis</i> | Sastre | 2007 | Guyana |
| <i>Melpomene huancabambensis</i> | Lehnert | 2009 | San Martin Region, Peru | <i>Palicourea gelsemiflora</i> | C.M.Taylor | 2006 | Amazon |
| <i>Melpomene jimenezii</i> | Lehnert | 2009 | La Paz, Bolivia | <i>Palicourea gemmiflora</i> | C.M.Taylor | 2006 | Zamora-Chinchi Province, Ecuador |
| <i>Melpomene occidentalis</i> | Lehnert | 2009 | Zamora-Chinchi Province, Ecuador | <i>Palicourea lemoniana</i> | C.M. Taylor | 2006 | Amazon |
| <i>Melpomene paradoxa</i> | Lehnert | 2009 | La Paz, Bolivia | <i>Palicourea loxensis</i> | C.M.Taylor | 2006 | Zamora-Chinchi Province, Ecuador |
| <i>Melpomene personata</i> | Lehnert | 2009 | La Paz, Bolivia | <i>Palmorchis caxiuanensis</i> | Rocha, S.S.Almeida & Freitas | 2006 | Para State, Brazil |
| <i>Melpomene vulcanica</i> | Lehnert | 2009 | Napo Province, Ecuador | <i>Paloue sandwithii</i> | Redden | 2008 | Guyana |
| <i>Mezilaurus manusensis</i> | van der Werff | 2003 | Amazon | <i>Paradrymonia barbata</i> | Feuille & L.E. Skog | 2003 | Guyana |
| <i>Microchilus borjaquiosae</i> | Ormerod | 2007 | Napo Province, Ecuador | <i>Paradrymonia glandulosa</i> | Feuille | 2009 | Amazon |
| <i>Microchilus brunescens</i> | Ormerod | 2005 | Napo Province, Ecuador | <i>Paradrymonia hamata</i> | Feuille | 2009 | Amazon |
| <i>Microchilus campanulatus</i> | Ormerod | 2008 | Guyana; States of Amazonas, Bolivar, Venezuela | <i>Paradrymonia lutea</i> | Feuille | 2009 | Amazon |
| <i>Microchilus constrictus</i> | Ormerod | 2005 | Amazon | <i>Paradrymonia maguirei</i> | Feuille | 2009 | Amazon |
| <i>Microchilus guianensis</i> | Ormerod | 2008 | Guyana | <i>Paradrymonia tepui</i> | Feuille | 2009 | Amazon |
| <i>Microchilus microcaprinus</i> | Ormerod | 2005 | San Martin Region, Peru | <i>Paradrymonia yatua</i> | Feuille | 2009 | Amazon |
| <i>Microchilus pedrojanensis</i> | Ormerod | 2005 | Para State, Brazil | <i>Paspalum veredense</i> | G.H.Rua, R.C.Oliveira, Valls & Graciano-Ribeiro | 2008 | Tocantins State, Brazil |
| <i>Microchilus pseudobrunescens</i> | Ormerod | 2005 | Napo Province, Ecuador | <i>Passiflora angusta</i> | Feuille & J.M. MacDougal | 2008 | Bolivar State, Venezuela; Guyana |
| <i>Microchilus putumayoensis</i> | Ormerod | 2005 | Putumayo Department, Colombia | <i>Passiflora arta</i> | Feuille | 2007 | Guyana |
| <i>Microchilus rioesmeraldae</i> | Ormerod | 2005 | Bolivar State, Venezuela | <i>Passiflora ascidia</i> | Feuille | 2002 | Guyana |
| <i>Microchilus rioitayanus</i> | Ormerod | 2005 | Loreto Region, Peru | <i>Passiflora balbis</i> | Feuille | 2002 | Guyana |
| <i>Mikania urcuensis</i> | H.Rob. & W.C.Holmes | 2006 | Napo Province, Ecuador | <i>Passiflora compar</i> | Feuille | 2007 | Guyana, French Guiana |
| <i>Monstera aureopinnata</i> | Croat | 2005 | Amazon | <i>Passiflora curva</i> | Feuille | 2009 | French Guiana |
| <i>Monstera barrieri</i> | Croat, Moonen & Poncey | 2005 | French Guiana | <i>Passiflora davidii</i> | Feuille | 2007 | French Guiana |
| <i>Monstera cenepeensis</i> | Croat | 2005 | Amazon | <i>Passiflora gabrielliana</i> | Vanderpl. | 2006 | French Guiana |
| <i>Monstera vasquezii</i> | Croat | 2005 | Amazon | <i>Passiflora longicuspis</i> | Vanderpl. & S.E.Vanderpl. | 2006 | French Guiana |
| <i>Mormodes gurupiensis</i> | Campacci & J.B.F.Silva | 2009 | States of Maranhao, Para, Brazil | <i>Passiflora pardifolia</i> | Vanderpl. | 2006 | Maranhao State, Brazil |
| <i>Mostuea muricata</i> | Sobral & Lucia Rossi | 2003 | Mato Grosso State, Brazil | <i>Passiflora rufa</i> | Feuille & J.M. MacDougal | 2008 | French Guiana; Guyana; Suriname |
| <i>Napenthus rupicola</i> | Feuille & L.E. Skog | 2003 | Guyana | <i>Passiflora tecta</i> | Feuille | 2008 | Guyana; Suriname; Bolivar, Venezuela |
| <i>Nasa victorii</i> | Weigend | 2004 | San Martin Region, Peru | <i>Passiflora venusta</i> | R.Vásquez & M.Delanoy | 2007 | La Paz, Bolivia |
| <i>Nautilocalyx coccineus</i> | Feuille & L.E. Skog | 2003 | Guyana | <i>Passiflora vescoi</i> | D.Rignon & L.Rignon | 2003 | French Guiana |
| <i>Nautilocalyx crenatus</i> | Feuille | 2008 | Amazon | <i>Pepinia martinellii</i> | H.Luther | 2009 | Para State, Brazil |
| <i>Nautilocalyx orinocensis</i> | Feuille | 2008 | Amazon | | | | |

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| Species | Scientist(s) | Date | Location | Species | Scientist(s) | Date | Location |
|-------------------------------------|----------------------------------|------|---|--|-----------------------|------|---|
| <i>Peritassa manaoara</i> | Lombardi | 2007 | Amazon | <i>Pouteria flavilatax</i> | T.D.Penn. | 2006 | Amazon |
| <i>Phainantha shuariorum</i> | C.Ulloa & D.A.Neill | 2006 | Zamora-Chinchi Province, Ecuador | <i>Pouteria freitasii</i> | T.D.Penn. | 2006 | Amazon |
| <i>Philodendron ampamii</i> | Croat | 2005 | Amazon | <i>Pouteria maxima</i> | T.D.Penn. | 2006 | Amazon |
| <i>Philodendron ancushii</i> | Croat | 2005 | Amazon | <i>Pouteria pentamera</i> | T.D.Penn. | 2006 | Amazon |
| <i>Philodendron aureimarginatum</i> | Croat | 2004 | Loreto Region, Peru | <i>Pouteria resinosa</i> | T.D.Penn. | 2006 | Amazon |
| <i>Philodendron avenium</i> | Grayum & Croat | 2005 | Amazon | <i>Pouteria stipulifera</i> | T.D.Penn. | 2006 | Amazon |
| <i>Philodendron barbourii</i> | Croat | 2005 | Amazon | <i>Pouteria stylifera</i> | T.D.Penn. | 2006 | Amazon |
| <i>Philodendron brent-berlinii</i> | Croat | 2005 | Amazon | <i>Prestonia acensis</i> | J.F.Morales | 2004 | Acre State, Brazil |
| <i>Philodendron campii</i> | Croat | 2004 | Pastaza Department, Ecuador | <i>Prestonia amabilis</i> | J.F.Morales | 2004 | Pastaza Department, Ecuador |
| <i>Philodendron cardosoi</i> | E.G.Gonç. | 2004 | Para State, Brazil | <i>Prosthechea regentii</i> | V.P.Castro & Chiron | 2005 | Roraima State, Brazil |
| <i>Philodendron carinatum</i> | E.G.Gonç. | 2005 | Amapa State, Brazil | <i>Prosthechea roraimensis</i> | V.P.Castro & Campacci | 2004 | Roraima State, Brazil |
| <i>Philodendron condorcanquense</i> | Croat | 2005 | Amazon | <i>Protium aidanium</i> | Daly | 2005 | Napo Province, Ecuador |
| <i>Philodendron huashikatii</i> | Croat | 2005 | Amazon | <i>Protium calendulinum</i> | Daly | 2007 | French Guiana |
| <i>Philodendron lupinum</i> | E.G.Gonç. & J.B.Carvalho | 2008 | Acre State, Brazil | <i>Protium gallosum</i> | Daly | 2007 | Amazon |
| <i>Philodendron moonenii</i> | Croat | 2004 | French Guiana | <i>Protium retusum</i> | Daly | 2007 | Guyana |
| <i>Philodendron palaciosii</i> | Croat & Grayum | 2005 | Napo Province, Ecuador | <i>Protium urophyllidium</i> | Daly | 2007 | Amazon |
| <i>Philodendron paucinervium</i> | Croat | 2004 | Loreto Region, Peru | <i>Pseudoxandra acreana</i> | Maas | 2006 | States of Acre, Amazonas, Brazil |
| <i>Philodendron reticulatum</i> | Grayum | 2005 | Amazon | <i>Pseudoxandra borbensis</i> | Maas | 2003 | Amazon |
| <i>Philodendron scottmorianum</i> | Croat & Moonen | 2007 | French Guiana | <i>Pseudoxandra cauliflora</i> | Maas | 2003 | Amazon |
| <i>Philodendron swartiae</i> | Croat | 2005 | Amazon | <i>Pseudoxandra duckei</i> | Maas | 2003 | Amazon |
| <i>Philodendron ushanum</i> | Croat & Moonen | 2006 | French Guiana | <i>Pseudoxandra obscurinervis</i> | Maas | 2003 | Amazon |
| <i>Philodendron wadedavisii</i> | Croat | 2006 | Amazon | <i>Pseudoxandra papillosa</i> | Maas | 2003 | Amazon |
| <i>Phoradendron acuminatum</i> | Kuijt | 2003 | Suriname | <i>Pseudoxandra pilosa</i> | Maas | 2003 | Amazon |
| <i>Phoradendron bicarinatum</i> | Kuijt | 2003 | Amazon | <i>Psittacanthus acevedoi</i> | Kuijt | 2009 | Amazon |
| <i>Phoradendron granvillei</i> | Kuijt | 2003 | French Guiana | <i>Psittacanthus atrolineatus</i> | Kuijt | 2009 | Rondonia State, Brazil |
| <i>Phoradendron juruanum</i> | Kuijt | 2003 | Amazon | <i>Psittacanthus baguensis</i> | Kuijt | 2009 | Amazon |
| <i>Phoradendron krameri</i> | Kuijt | 2003 | Suriname; Guyana | <i>Psittacanthus bergii</i> | Kuijt | 2009 | Mato Grosso State, Brazil |
| <i>Phoradendron krukovii</i> | Kuijt | 2003 | Amazon | <i>Psittacanthus brachypodus</i> | Kuijt | 2009 | Para State, Brazil |
| <i>Phoradendron lindemanii</i> | Kuijt | 2003 | Mato Grosso State, Brazil | <i>Psittacanthus carnosus</i> | Kuijt | 2009 | Rondonia State, Brazil |
| <i>Phoradendron oliveirae</i> | Kuijt | 2003 | Para State, Brazil | <i>Psittacanthus crassipes</i> | Kuijt | 2009 | Amazon |
| <i>Phoradendron singulare</i> | Kuijt | 2003 | Amazon | <i>Psittacanthus dentatus</i> | Kuijt | 2009 | Para State, Brazil |
| <i>Phyllanthus punitii</i> | Webster | 2004 | Acre State, Brazil | <i>Psittacanthus elegans</i> | Kuijt | 2009 | Amazon |
| <i>Pilocarpus trifoliolatus</i> | Skorupa & Pirani | 2004 | Para State, Brazil | <i>Psittacanthus geniculatus</i> | Kuijt | 2009 | Acre State, Brazil |
| <i>Piper aulacospermum</i> | Callejas | 2005 | French Guiana | <i>Psittacanthus ovatus</i> | Kuijt | 2009 | Amazon |
| <i>Piper ciliomarginatum</i> | Görts & Christenh. | 2005 | Guyana | <i>Psittacanthus rugostylus</i> | Kuijt | 2009 | Para State, Brazil |
| <i>Piper remotinervium</i> | Görts | 2005 | French Guiana | <i>Psychotria ceronii</i> | C.M.Taylor | 2006 | Napo Province, Ecuador |
| <i>Pitcairnia amboroensis</i> | Ibisch, Vásquez, Gross & Kessler | 1999 | Amboró National Park, Santa Cruz, Bolivia | <i>Psychotria cutucana</i> | C.M.Taylor | 2006 | Morona-Santiago Province, Ecuador |
| <i>Pitcairnia buscalionii</i> | W.Till | 2003 | Amazon | <i>Psychotria montivaga</i> | C.M.Taylor | 2006 | Zamora-Chinchi Province, Ecuador |
| <i>Pitcairnia cremersii</i> | Gouda | 2009 | Suriname; French Guiana | <i>Psychotria poyoana</i> | C.M.Taylor | 2006 | Pastaza Department, Ecuador |
| <i>Pitcairnia heydlauftii</i> | Vásquez & Ibisch | 2000 | Cochabamba Department, Bolivia | <i>Qualea johannabakkeriae</i> | Marc.-Berti | 2002 | Amazon |
| <i>Pitcairnia rojasii</i> | H.Luther | 2007 | Amazon | <i>Qualea marioniae</i> | Marcano-Berti | 2002 | Guyana |
| <i>Pitcairnia saxosa</i> | Gouda | 2009 | French Guiana | <i>Quiina berryi</i> | J.V.Schneid. & Zizka | 2003 | States of Amazonas, Para, Brazil |
| <i>Pitcairnia semijuncta</i> | Baker | 2009 | French Guiana; Guyana; Suriname | <i>Quiina cidiana</i> | J.V.Schneid. & Zizka | 2003 | Amazon |
| <i>Pitcairnia vargasii</i> | Vásquez & Ibisch | 2009 | Cochabamba Department, Bolivia | <i>Quiina piresii</i> | J.V.Schneid. & Zizka | 2003 | Amazon |
| <i>Platystele paraensis</i> | Campacci & J.B.F.Silva | 2009 | Para State, Brazil | <i>Raddiella vanessiae</i> | Judziwicz & Sepsenwol | 2007 | French Guiana |
| <i>Pleurothallis feuilletii</i> | Luer | 2004 | French Guiana | <i>Raputia praetermissa</i> | Pirani & Kallunki | 2005 | Amazon |
| <i>Pleurothallis tiarata</i> | Luer & Hirtz | 2004 | Morona-Santiago Province, Ecuador | <i>Rauvolfia gracilis</i> | Koch & Kin. | 2007 | States of Mato Grosso, Rondonia, Brazil |
| <i>Pleurothallis ximena</i> | Luer & Hirtz | 2004 | Morona-Santiago Province, Ecuador | <i>Remijia hubbardiorum</i> | B.M.Boom | 2005 | Amazon |
| <i>Polylychnis ovata</i> | Wassh. | 2006 | Amapa State, Brazil; Suriname | <i>Rhodopatha acosta-solisii</i> | Croat | 2005 | Amazon |
| <i>Polysepacium apolobamba</i> | Al-Shehbaz & A.Fuentes | 2008 | La Paz, Bolivia | <i>Rhodopatha brent-berlinii</i> | Croat | 2005 | Amazon |
| <i>Polystichum albomarginatum</i> | Kessler & Sm. | 2005 | La Paz, Bolivia | <i>Rhodopatha katipis</i> | Croat | 2005 | Amazon |
| <i>Polystichum congestum</i> | Kessler & Sm. | 2005 | La Paz, Bolivia | <i>Rhodopatha piushaduka</i> | Croat | 2005 | Amazon |
| <i>Polystichum giganteum</i> | Kessler & Sm. | 2005 | La Paz, Bolivia | <i>Rhodostemonodaphne crenaticupula</i> | Madriñán | 2004 | Amazon |
| <i>Polystichum lepidotum</i> | Kessler & Sm. | 2005 | La Paz, Bolivia | <i>Rhodostemonodaphne curicuriensis</i> | Madriñán | 2004 | Amazon |
| <i>Polystichum rufum</i> | Kessler & Sm. | 2005 | La Paz, Bolivia | <i>Rhodostemonodaphne longipetiolata</i> | Madriñán | 2004 | Napo Province, Ecuador |
| <i>Polystichum solomonii</i> | Kessler & Sm. | 2005 | La Paz, Bolivia | <i>Rhodostemonodaphne napoensis</i> | Madriñán | 2004 | Napo Province, Ecuador |
| <i>Potalia coronata</i> | Struwe & V.A.Albert | 2004 | Amazon | <i>Rhodostemonodaphne negrensis</i> | Madriñán | 2004 | Amazon |
| <i>Pourouma cordata</i> | C.C.Berg | 2004 | Amazon | <i>Rhodostemonodaphne parvifolia</i> | Madriñán | 2004 | Amazon |
| <i>Pouteria ericoides</i> | T.D.Penn. | 2006 | Amazon | <i>Rhodostemonodaphne peneia</i> | Madriñán | 2004 | Amazon |
| <i>Pouteria erythrochrysa</i> | T.D.Penn. | 2006 | Amazon | <i>Rhodostemonodaphne sordida</i> | Madriñán | 2004 | Loreto Region, Peru |

Plants

| Species | Scientist(s) | Date | Location | Species | Scientist(s) | Date | Location |
|---|---------------------------|------|---|----------------------------------|------------------------------------|------|--|
| <i>Rhodostemonodaphne tumucumaquensis</i> | Madriñán | 2004 | Amapa State, Brazil | <i>Stelis strobilacea</i> | Luer | 2007 | Morona-Santiago Province, Ecuador |
| <i>Rhynchospora acanthoma</i> | Araújo & Longhi-Wagner | 2008 | Para State, Brazil | <i>Stelis uncifera</i> | Luer & Hirtz | 2007 | Morona-Santiago Province, Ecuador |
| <i>Rhynchospora angustipaniculata</i> | M.T. Strong | 2001 | Guyana | <i>Stenospermatum ancushii</i> | Croat | 2005 | Amazon |
| <i>Rhynchospora bracteovillosa</i> | Araújo & Thomas | 2003 | Mato Grosso State, Brazil | <i>Stenospermatum parvum</i> | Croat & A.Gomez | 2005 | Pastaza Department, Ecuador |
| <i>Rhynchospora cordatachena</i> | M.T.Strong | 2005 | French Guiana | <i>Struthanthus prancei</i> | Kuijt | 2003 | Amazon |
| <i>Rhynchospora eurycarpa</i> | Araújo & Longhi-Wagner | 2004 | Mato Grosso State, Brazil | <i>Syrax griseus</i> | P.W.Fritsch | 2004 | Para State, Brazil |
| <i>Rhynchospora leucoloma</i> | Araújo & Longhi-Wagner | 2003 | States of Mato Grosso, Para, Brazil | <i>Swartzia canescens</i> | Torke | 2007 | States of Amapa, Para, Brazil; French Guiana; Suriname |
| <i>Rhynchospora rupestris</i> | Araújo & Thomas | 2008 | States of Mato Grosso, Para, Brazil | <i>Swartzia coriaceifolia</i> | Torke | 2004 | Amazon |
| <i>Rhynchospora rupicola</i> | M.T. Strong | 2001 | Guyana | <i>Swartzia juruana</i> | Torke | 2004 | Acre State, Brazil |
| <i>Rhynchospora saxisavannicola</i> | Strong | 2005 | French Guiana | <i>Swartzia manausensis</i> | Torke | 2007 | Amazon |
| <i>Ribes amazonica</i> | Weigend & E.Rodr. | 2005 | Amazon | <i>Swartzia ramiflora</i> | Torke | 2007 | Amazon |
| <i>Roraimaea aurantiaca</i> | Struwe, Nilsson & Albert | 2008 | Roraima State, Brazil | <i>Swartzia trimorphica</i> | Mansano & A.L.Souza | 2005 | Amazon |
| <i>Roupala nonscripta</i> | K.S.Edwards & Prance | 2003 | Amazon | <i>Syagrus vermicularis</i> | Noblick | 2004 | Maranhao State, Brazil |
| <i>Roupala psilocarpa</i> | K.S.Edwards & Prance | 2003 | States of Amapa, Amazonas, Brazil | <i>Tachia lancispala</i> | Struwe, Kinkade & Maas | 2005 | Rondonia State, Brazil |
| <i>Ruellia exserta</i> | Wassh. & Wood | 2003 | States of Mato Grosso, Rondonia, Brazil | <i>Tachia siwertii</i> | Struwe, Kinkade & Maas | 2005 | States of Para, Amazonas, Brazil |
| <i>Rutyschia andina</i> | de Roon | 2005 | Zamora-Chinchipe Province, Ecuador | <i>Tachigali barnebyi</i> | van der Werff | 2008 | Rondonia State, Brazil |
| <i>Salacia negrensis</i> | Lombardi | 2007 | Amazon | <i>Tachigali candelabrum</i> | van der Werff | 2008 | Amazon |
| <i>Scaphispatha robusta</i> | E.G.Gonç. | 2005 | Para State, Brazil | <i>Tachigali chrysaloides</i> | van der Werff | 2008 | States of Acre, Mato Grosso, Rondonia, Brazil |
| <i>Scelochilus newyorkorum</i> | Vásquez, Ibisich & Vargas | 2003 | Rio Cotacajes, La Paz, Bolivia | <i>Tachigali fusca</i> | van der Werff | 2008 | Acre State, Brazil |
| <i>Schefflera ciliatifolia</i> | Fiaschi & Frodin | 2008 | Amazon | <i>Talisia siwertii</i> | Acev.-Rodr. | 2003 | States of Acre, Amazonas, Brazil |
| <i>Schefflera dichotoma</i> | Fiaschi & Frodin | 2008 | Amazon | <i>Talisia douradensis</i> | Acev.-Rodr. | 2003 | Para State, Brazil |
| <i>Schefflera plurifolia</i> | Fiaschi & Frodin | 2008 | States of Amazonas, Mato Grosso, Rondonia, Brazil | <i>Talisia gilleana</i> | Acev.-Rodr. | 2003 | Amazon |
| <i>Schefflera umbrosa</i> | Fiaschi & Frodin | 2008 | States of Amazonas, Para, Brazil | <i>Talisia granulosa</i> | Acev.-Rodr. | 2003 | Amazon |
| <i>Schwenckia alvaroana</i> | Benítez | 2006 | Caqueta Department, Colombia | <i>Talisia parviflora</i> | Acev.-Rodr. | 2003 | Amazon |
| <i>Selaginella gynostachya</i> | Valdespino | 2008 | Guyana; French Guiana | <i>Tetracera maguirei</i> | Aymard & B.M. Boom | 2003 | Guyana |
| <i>Selaginella karowtipuensis</i> | Valdespino | 2008 | Guyana | <i>Tetrapterys anomala</i> | W.R.Anderson | 2005 | Guyana |
| <i>Senna biglandularis</i> | Araújo & Souza | 2007 | Tocantins State, Brazil | <i>Tococa costoides</i> | Michelang. | 2006 | Amazon |
| <i>Serjania souzana</i> | Ferrucci & Acev.-Rodr. | 2005 | Mato Grosso State, Brazil | <i>Tococa leticiana</i> | Michelang. | 2006 | Amazon |
| <i>Sida castanocarpa</i> | Krapov. | 2007 | States of Maranhao, Tocantins, Brazil | <i>Tocoyena arenicola</i> | Delprete | 2008 | Tocantins State, Brazil |
| <i>Sida simpsonii</i> | Krapov. | 2007 | Mato Grosso State, Brazil | <i>Tovomita calophyllophylla</i> | García-Villacorta & Hammel | 2004 | Loreto Region, Peru |
| <i>Sida teresinensis</i> | Krapov. | 2007 | Para State, Brazil | <i>Tovomita gazelii</i> | Poncy & Offroy | 2006 | Zamora-Chinchipe Province, Ecuador |
| <i>Siparuna lewisiana</i> | S.S.Renner & Hausner | 2005 | Amazon | <i>Trichocentrum loyolicum</i> | Pupulin, Karremans & G.Merino | 2008 | States of Acre, Amapa, Amazonas, Brazil; French Guiana; Guyana |
| <i>Sobralia cardosoi</i> | Campacci & J.B.F.Silva | 2009 | Roraima State, Brazil | <i>Triplophyllum bolivense</i> | Prado & Moran | 2008 | States of Para, Amazonas, Para, Rondonia, Brazil; Guyana |
| <i>Solanum eitenii</i> | Agra | 2008 | Maranhao State, Brazil | <i>Triplophyllum glabrum</i> | Prado & Moran | 2008 | States of Para, Amazonas, Para, Rondonia, Brazil; Guyana |
| <i>Solanum megaspermum</i> | Agra | 2008 | Amazon | <i>Turnera amazonica</i> | Arbo | 2005 | Amazon |
| <i>Solanum pedemontanum</i> | M.Nee | 2006 | States of Acre, Amazonas, Brazil | <i>Turnera discors</i> | Arbo | 2005 | Rondonia State, Brazil |
| <i>Spathiphyllum barbourii</i> | Croat | 2005 | Amazon | <i>Turnera kuhlmanniana</i> | Arbo | 2005 | Rondonia State, Brazil |
| <i>Spathiphyllum brent-berlinii</i> | Croat | 2005 | Amazon | <i>Turnera laciniata</i> | Arbo | 2005 | Para State, Brazil |
| <i>Spathiphyllum buntingianum</i> | Croat | 2005 | Amazon | <i>Turnera occidentalis</i> | Arbo & Shore | 2005 | San Martin Region, Peru |
| <i>Spathiphyllum diazii</i> | Croat | 2005 | Amazon | <i>Turnera reginae</i> | Arbo | 2005 | Maranhao State, Brazil |
| <i>Specklinia feuilletii</i> | Luer | 2005 | French Guiana | <i>Uhopopsis heterotricha</i> | Maas & Westra | 2007 | Para State, Brazil |
| <i>Spigelia amazonica</i> | Fern.Casas | 2004 | Amazon | <i>Weinmannia davidsonii</i> | Fuentes & Rogers | 2007 | La Paz, Bolivia |
| <i>Spigelia megapota mica</i> | Fern.Casas | 2008 | Amazon | <i>Weinmannia yungasensis</i> | Fuentes & Rogers | 2007 | La Paz, Bolivia |
| <i>Spigelia rondoniense</i> | Fern.Casas | 2006 | Rondonia State, Brazil | <i>Xanthosoma baguense</i> | Croat | 2005 | Amazon |
| <i>Staelia tocantinsiana</i> | R.M.Salas & E.L.Cabral | 2007 | Tocantins State, Brazil | <i>Yanomama aruca</i> | Grant, Maas & Struwe | 2006 | Amazon |
| <i>Stelis abbreviata</i> | Luer & Hirtz | 2007 | Napo Province, Ecuador | <i>Zollernia surinamensis</i> | Mansano, A.M.G.Azevedo & G.P.Lewis | 2005 | Suriname; French Guiana |
| <i>Stelis adinostachya</i> | Luer & Hirtz | 2007 | Napo Province, Ecuador | | | | |
| <i>Stelis aliquantula</i> | Luer & Hirtz | 2007 | Morona-Santiago Province, Ecuador | | | | |
| <i>Stelis bricenorum</i> | G.A.Romero & Luer | 2006 | Amazon | | | | |
| <i>Stelis bucculenta</i> | Luer & Hirtz | 2007 | Morona-Santiago Province, Ecuador | | | | |
| <i>Stelis encephalota</i> | Luer & Hirtz | 2007 | Zamora-Chinchipe Province, Ecuador | | | | |
| <i>Stelis lapoi</i> | Luer & Hirtz | 2007 | Zamora-Chinchipe Province, Ecuador | | | | |
| <i>Stelis laudabilis</i> | Luer & Hirtz | 2007 | Morona-Santiago Province, Ecuador | | | | |
| <i>Stelis mnemonica</i> | Luer & Hirtz | 2007 | Morona-Santiago Province, Ecuador | | | | |
| <i>Stelis nigrescens</i> | Luer & Hirtz | 2007 | Zamora-Chinchipe Province, Ecuador | | | | |
| <i>Stelis orecta</i> | Luer & Hirtz | 2007 | Morona-Santiago Province, Ecuador | | | | |
| <i>Stelis picea</i> | Luer & Hirtz | 2007 | Zamora-Chinchipe Province, Ecuador | | | | |
| <i>Stelis sparsiflora</i> | Luer & Hirtz | 2007 | Zamora-Chinchipe Province, Ecuador | | | | |

SUBTOTAL: 637

Fish

| Species | Scientist(s) | Date | Location | Species | Scientist(s) | Date | Location |
|------------------------------------|---|------|---|-------------------------------------|--|------|--|
| <i>Acestridium colombiense</i> | Retzer | 2005 | Colombia | <i>Corydoras noelkempffi</i> | Knaack | 2004 | Bolivia |
| <i>Acestridium gymnogaster</i> | Reis & Lehmann | 2009 | Rio Madeira, Brazil | <i>Corydoras ortegai</i> | Britto, Lima & Hidalgo | 2007 | Rio Putumayo in Peru |
| <i>Acestridium scutatum</i> | Reis & Lehmann | 2009 | Rio Madeira, Brazil | <i>Corydoras rragua</i> | Knaack | 2004 | Bolivia |
| <i>Acestridium triplax</i> | Rodriguez & Reis | 2007 | Eastern Amazon Basin, Brazil | <i>Corydoras paucerna</i> | Knaack | 2004 | Bolivia |
| <i>Acestrocephalus acutus</i> | Menezes | 2006 | Para State, Brazil | <i>Corydoras tukano</i> | Britto & Lima | 2003 | Rio Tiquié, upper Rio Negro Basin, Brazil |
| <i>Acestrocephalus pallidus</i> | Menezes | 2006 | Amazonas State, Brazil | <i>Creagrutus barrigai</i> | Vari and Harold | 2001 | Northern and west central portions of Amazon Basin |
| <i>Adontosternarchus nebulosus</i> | Lundberg & Cox Fernandes | 2007 | Amazon Basin | <i>Creagrutus britskii</i> | Vari and Harold | 2001 | Rio Tocantins, Brazil |
| <i>Amazonaspinther dalmata</i> | Bührnheim, Carvalho, Malabarba & Weitzman | 2008 | Amazon Basin | <i>Creagrutus changae</i> | Vari and Harold | 2001 | Western Amazon |
| <i>Ammoglanis amapaensis</i> | Mattos, Costa & Gama | 2008 | Brazil | <i>Creagrutus cracentis</i> | Vari and Harold | 2001 | Rio Tapajós |
| <i>Ancistrus parecis</i> | Ancistrus parecis Fisch-Muller, Cardoso, da Silva & Bertaco | 2005 | Amazon | <i>Creagrutus ephippiatus</i> | Vari and Harold | 2001 | Rio Negro |
| <i>Ancistrus tombador</i> | Fisch-Muller, Cardoso, da Silva & Bertaco | 2005 | Tapajós and Tocantins Rivers, Brazil | <i>Creagrutus figuredoi</i> | Vari and Harold | 2001 | Rio Tocantins, Brazil |
| <i>Anostomoides passionis</i> | Dos Santos & Zuanon | 2006 | Rio Xingu, Brazil | <i>Creagrutus flavescens</i> | Vari and Harold | 2001 | Western Amazon |
| <i>Apareiodon agmatos</i> | Taphorn B., D.C., H. López-Fernández & C.R. Bernard | 2008 | Mazaruni River, Guyana | <i>Creagrutus gracilis</i> | Vari and Harold | 2001 | Western Amazon |
| <i>Aphyocharax yekwanae</i> | Willink, Chernoff & Machado-Allison | 2003 | Guyana Shield of Venezuela | <i>Creagrutus holmi</i> | Vari and Harold | 2001 | Western Amazon |
| <i>Aphyolebias boticarioi</i> | Costa | 2004 | Rio Purus Basin, Brazil | <i>Creagrutus ignotus</i> | Vari and Harold | 2001 | Rio Tapajós |
| <i>Apistogramma baenschi</i> | Römer, Hahn, Römer, Soares & Wöhler | 2004 | Peru | <i>Creagrutus manu</i> | Vari and Harold | 2001 | Southwestern Amazon Basin |
| <i>Apistogramma barlowi</i> | Römer & Hahn | 2008 | Northern Peru | <i>Creagrutus menezesi</i> | Vari and Harold | 2001 | Rio Negro and Rio Tocantins, Brazil |
| <i>Apistogramma eremnoppyge</i> | Ready & Kullander | 2004 | Peru | <i>Creagrutus molinus</i> | Vari and Harold | 2001 | Rio Tocantins, Brazil |
| <i>Apistogramma erythrura</i> | Staeck & Schindler | 2008 | Rio Mamoré, Bolivia | <i>Creagrutus mucipu</i> | Vari and Harold | 2001 | Rio Tocantins, Brazil |
| <i>Apteronotus galvisi</i> | de Santana, Maldonado-Ocampo & Crampton | 2007 | Rio Meta Basin, Colombia | <i>Creagrutus occidaneus</i> | Vari and Harold | 2001 | Western Amazon Basin |
| <i>Astyanax ajuricaba</i> | Marinho and Lima | 2009 | State of Amazonas, Brazil | <i>Creagrutus ortegai</i> | Vari and Harold | 2001 | Western Amazon |
| <i>Astyanax clavitaeniatus</i> | Garutti | 2003 | Rio Surumu, Roraima State, Brazil | <i>Creagrutus ouranaster</i> | Vari and Harold | 2001 | Western Amazon Basin |
| <i>Astyanax dnophos</i> | Lima & Zuanon | 2004 | Rio Xingu, Brazil | <i>Creagrutus petilus</i> | Vari and Harold | 2001 | Southwestern Amazon |
| <i>Astyanax siapae</i> | Garutti | 2003 | Rio Siapa, Amazonas State, Venezuela | <i>Creagrutus pila</i> | Vari and Harold | 2001 | Western Amazon Basin |
| <i>Astyanax utiriti</i> | Bertaco & Garutti | 2007 | Rio Tapajós, Brazil drainage, Central Brazil | <i>Creagrutus runa</i> | Vari and Harold | 2001 | Rio Negro |
| <i>Astyanax villwocki</i> | Zarske & Géry | 1999 | Amazon Basin of Peru and Bolivia | <i>Creagrutus saxatilis</i> | Vari and Harold | 2001 | Rio Tocantins, Brazil |
| <i>Attonitus bounites</i> | Vari & Ortega | 2000 | Western Amazon | <i>Creagrutus seductus</i> | Vari and Harold | 2001 | Rio Tocantins, Brazil |
| <i>Attonitus ephimeros</i> | Vari & Ortega | 2000 | Western Amazon | <i>Creagrutus unguis</i> | Vari and Harold | 2001 | Southwestern Amazon Basin |
| <i>Attonitus irisae</i> | Vari & Ortega | 2000 | Western Amazon | <i>Creagrutus zephyrus</i> | Vari and Harold | 2001 | Rio Negro |
| <i>Baryancistrus beggini</i> | Lujan, Arce & Armbruster | 2009 | Venezuela: Amazonas, Rio Orinoco drainage, Rio Ventuari | <i>Crenicichla zebrine</i> | Montaña, López-Fernández & Taphorn | 2008 | Ventuari River, Upper Orinoco River Basin, Amazonas State, Venezuela |
| <i>Baryancistrus demantoides</i> | Werneke, Sabaj, Lujan and Armbruster | 2005 | Venezuela, Amazonas, Rio Orinoco drainage, Rio Ventuari | <i>Crossoloricaria bahuaja</i> | Chang & Castro | 1999 | Madre de Dios, southeastern Peru |
| <i>Brachyplatystoma capapretum</i> | Lundberg & Akama | 2005 | Amazon Basin | <i>Cynopotomas xiaguanao</i> | Menezes | 2008 | Rio Xingu, Brazil |
| <i>Bryconadenos weitzmani</i> | Menezes, Netto-Ferreira & Ferreira | 2009 | Rio Curuá, Rio Xingu, Brazil drainage, Brazil | <i>Cyphocharax derhami</i> | Vari & Chang | 2006 | northeastern Peru |
| <i>Bryconamericus carlosi</i> | Román-Valencia | 2003 | Amazon | <i>Denticetopsis epa</i> | Vari, Ferraris & de Pinna | 2005 | Rio Tocantins, Brazil |
| <i>Caenotropus schizodon</i> | Scharcansky & Lucena | 2007 | Rio Tapajós, Brazil drainage, Brazil | <i>Denticetopsis seducta</i> | Vari, Ferraris & de Pinna | 2005 | Amazon Basin |
| <i>Caiapobrycon tucurui</i> | Malabarba & Vari | 2000 | Rio Tocantins, Brazil Basin, Brazil | <i>Derhamia hoffmannorum</i> | Géry & Zarske | 2002 | Mazaruni River in Guyana |
| <i>Callichthys serralabium</i> | Lehmann A. & Reis | 2004 | Upper Orinoco and Negro Rivers | <i>Dicrossus gladiacauda</i> | Schindler & Staack | 2008 | Colombia |
| <i>Centromochlus macracanthus</i> | Soares-Porto | 2000 | Rio Negro drainage, Amazon Basin, Brazil | <i>Entomocorus melaphareus</i> | Akama & Ferraris | 2003 | Rio Amazonas |
| <i>Cetopsidium ferreirai</i> | Vari, Ferraris & de Pinna | 2005 | Rio Trombetas, Brazil | <i>Gelanoglanis nanonocotocolus</i> | Soares-Porto, Walsh, Nico & Netto | 1999 | Orinoco and Amazon River Basins |
| <i>Cetopsidium pemon</i> | Vari, Ferraris & de Pinna | 2005 | Rio Branco, Brazil | <i>Gelanoglanis traviesi</i> | Rengifo, Lujan, Taphorn & Petry | 2008 | Marañón River (Amazon Basin), northeastern Peru |
| <i>Cetopsidium soniae</i> | Vari & Ferraris Jr. | 2009 | Rio Branco, Brazil | <i>Geophagus gotwaldi</i> | Schindler & Staack | 2006 | Rio Orinoco in Venezuela |
| <i>Cetopsis arcana</i> | Vari, Ferraris & de Pinna | 2005 | Rio Tocantins, Brazil | <i>Gladioglanis anacanthus</i> | Rocha, de Oliveira & Rapp Py-Daniel | 2008 | Rio Aripuaña, Amazonas, Brazil |
| <i>Cetopsis caiapo</i> | Vari, Ferraris & de Pinna | 2005 | Rio Tocantins, Brazil | <i>Guianacara cuyunii</i> | López-Fernández, Taphorn Baechle & Kullander | 2006 | Guiana Shield of Eastern Venezuela |
| <i>Cetopsis montana</i> | Vari, Ferraris & de Pinna | 2005 | Rio Tocantins, Brazil | <i>Guianacara stergiosi</i> | López-Fernández, Taphorn Baechle & Kullander | 2006 | Guiana Shield of Eastern Venezuela |
| <i>Cetopsis parma</i> | de Oliveira, Vari, Ferraris, | 2001 | Western Amazon Basin | <i>Gymnotus arapaima</i> | Albert & Crampton | 2001 | Amazon floodplain |
| <i>Cetopsis pearsoni</i> | Vari, Ferraris & de Pinna | 2005 | Western Amazon | <i>Gymnotus curupira</i> | Crampton, Thorsen & Albert | 2005 | Amazon Basin |
| <i>Cetopsis sandrae</i> | Vari, Ferraris & de Pinna | 2005 | Rio Tapajós | <i>Gymnotus jonsi</i> | Albert & Crampton | 2001 | Amazon floodplain |
| <i>Cetopsis sarcodes</i> | Vari, Ferraris & de Pinna | 2005 | Rio Tocantins, Brazil | <i>Gymnotus maminraua</i> | Albert & Crampton | 2001 | Amazon floodplain |
| <i>Cetopsis starnesi</i> | Vari, Ferraris & de Pinna | 2005 | Southwestern Amazon Basin | <i>Gymnotus melanopleura</i> | Albert & Crampton | 2001 | Amazon floodplain |
| <i>Chaetostoma changae</i> | Salcedo | 2006 | Central Peru | <i>Gymnotus obscurus</i> | Crampton, Thorsen & Albert | 2005 | Amazon Basin |
| <i>Chaetostoma daidalmatos</i> | Salcedo | 2006 | Huallaga River in central Peru | <i>Gymnotus onca</i> | Albert & Crampton | 2001 | Amazon floodplain |
| <i>Chaetostoma stroumpoulos</i> | Salcedo | 2006 | Huallaga River in central Peru | <i>Gymnotus ucumara</i> | Crampton, Lovejoy & Albert | 2003 | Peruvian Amazon |
| <i>Characidium xavante</i> | de Garca et al | 2008 | Rio Xingu, Brazil | <i>Gymnotus varzea</i> | Crampton, Thorsen & Albert | 2005 | Amazon Basin |
| <i>Compsaraia samueli</i> | Albert & Crampton | 2009 | Amazon River | <i>Harttia depressa</i> | Rapp Py-Daniel & Oliveira | 2001 | Guyana |
| <i>Corumbataia veadeiros</i> | Carvalho | 2008 | Rio Tocantins, Brazil | <i>Harttia dissidens</i> | Rapp Py-Daniel & Oliveira | 2001 | Guyana |
| <i>Corydoras albolineatus</i> | Knaack | 2004 | Bolivia | <i>Harttia duriventris</i> | Rapp Py-Daniel & Oliveira | 2001 | Guyana |
| <i>Corydoras isbrueckeri</i> | Knaack | 2004 | Bolivia | <i>Harttia guianensis</i> | Rapp Py-Daniel & Oliveira | 2001 | Guyana |
| <i>Corydoras negro</i> | Knaack | 2004 | Bolivia | | | | |

Fish

| Species | Scientist(s) | Date | Location | Species | Scientist(s) | Date | Location |
|------------------------------------|--|------|--|--|--|------|--|
| <i>Hartia merevari</i> | Provenzano | 2005 | Venezuela, Bolívar State, Caura River | <i>Leptodoras oyakawai</i> | Birindelli, Sousa & Sabaj Pérez | 2008 | Tapajós and Xingu Basins, Brazil |
| <i>Hartia punctata</i> | Rapp Py-Daniel & Oliveira | 2001 | Guyana | <i>Lithoxus jantjajae</i> | Lujan | 2008 | Guayana Highlands |
| <i>Hartia trombetensis</i> | Rapp Py-Daniel & Oliveira | 2001 | Guyana | <i>Lithoxus jantjajae</i> | Lujan | 2008 | Venezuela, Amazonas |
| <i>Hartia utumensis</i> | Rapp Py-Daniel & Oliveira | 2001 | Guyana | <i>Loricaria lundbergi</i> | Thomas & Rapp Py-Daniel | 2008 | River channels of the Amazon Basin |
| <i>Hasemania nambiquara</i> | Bertaco & Malabarba | 2007 | Upper Rio Tapajós, Brazil drainage, Brazil | <i>Loricaria pumila</i> | Thomas & Rapp Py-Daniel | 2008 | River channels of the Amazon Basin |
| <i>Hemiancistrus guahiborum</i> | Werneke, Armbruster, Lujan & Taphorn | 2005 | Venezuela, Amazonas, Rio Ventuari | <i>Loricaria spinulifera</i> | Thomas & Rapp Py-Daniel | 2008 | River channels of the Amazon Basin |
| <i>Hemiancistrus pankimpuju</i> | Lujan & Chamon | 2008 | Amazon Basin | <i>Megalodontognathus kaitukaensis</i> | Campos-da-paz | 1999 | Amazon Basin |
| <i>Hemiancistrus subviridis</i> | Werneke, Sabaj, Lujan & Armbruster | 2005 | Venezuela, Amazonas, Rio Orinoco | <i>Megalonema amaxanthum</i> | Lundberg and Dahdul | 2008 | Bolivia, Pando State |
| <i>Hemibrycon divisorensis</i> | Bertaco, Malabarba, Hidalgo & Ortega | 2007 | Rio Ucayali drainage, Sierra del Divisor, Peru | <i>Megalonema orixanthum</i> | Lundberg and Dahdul | 2008 | Orinoco Basin, Venezuela Amazonas State |
| <i>Hemigrammus arua</i> | Lima, Wosiacki and Ramos | 2009 | Brazil, Pará State | <i>Moema apurinan</i> | Costa | 2004 | Rio Purus Basin, Brazil |
| <i>Hemigrammus geisleri</i> | Zarske & Géry | 2007 | Central Amazonas | <i>Moenkhausia cosmops</i> | Lima, Britski & Machado | 2007 | Rio Tapajós |
| <i>Hemigrammus neptunus</i> | Zarske & Géry | 2002 | Rio Manuripi in Bolivien (Departamento Pando) | <i>Moenkhausia diktyota</i> | Lima & Toledo-Piza | 2001 | Rio Negro of Brazil |
| <i>Hemigrammus ora</i> | Zarske & Géry | 2006 | French Guiana | <i>Moenkhausia dorsinuda</i> | Zarske & Géry | 2002 | Rio Iténez in Bolivia |
| <i>Hemigrammus silimoni</i> | Britski & Lima | 2008 | Rio Tapajós, Brazil Basin in Brazil | <i>Moenkhausia levidorsa</i> | Benine | 2002 | Rio Aripuanã, Amazon Basin, Brazil |
| <i>Hemiodus jatuarana</i> | Langeani | 2004 | Rio Trombetas, Brazil, Amazon Basin, Brazil | <i>Moenkhausia margitae</i> | Zarske & Géry | 2001 | Rio Ucayali in Peru |
| <i>Hemiodus tocantinensis</i> | Langeani | 1999 | Rio Tocantins, Brazil, Brazil | <i>Moenkhausia petymbuaba</i> | Lima & Birindelli | 2006 | Serra do Cachimbo, Rio Xingu, Brazil |
| <i>Hisonotus chromodontus</i> | Britski & Garavello | 2007 | Rio Tapajós, Brazil, Mato Grosso State, Brazil | <i>Mylopius planquietei</i> | Jégu, M., P. Keith and P.-Y. Le Bail | 2003 | Guiana Shield |
| <i>Hisonotus luteofrenatus</i> | Britski & Garavello | 2007 | Rio Tapajós, Brazil, Mato Grosso State, Brazil | <i>Myoglanis koepecke</i> | Chang | 1999 | Rio Amazonas, Peru |
| <i>Hoplias curupiru</i> | Oyakawa & Mattox | 2009 | Amazon | <i>Nannacara quadrispinae</i> | Staack & Schindler | 2004 | Orinoco Delta in Venezuela |
| <i>Hypancistrus contradens</i> | Armbruster, Lujan & Taphorn | 2007 | Amazonas, Venezuela | <i>Nannostomus rubrocaudatus</i> | Zarske | 2009 | Loreto, Peru |
| <i>Hypancistrus debilitera</i> | Armbruster, Lujan & Taphorn | 2007 | Amazonas, Venezuela | <i>Odontostilbe ecuaadorensis</i> | Bührnheim & Malabarba | 2006 | Amazon Basin |
| <i>Hypancistrus furunculus</i> | Armbruster, Lujan & Taphorn | 2007 | Amazonas, Venezuela | <i>Odontostilbe nareuda</i> | Bührnheim & Malabarba | 2006 | Amazon Basin |
| <i>Hypancistrus lunaorum</i> | Armbruster, Lujan & Taphorn | 2007 | Amazonas, Venezuela | <i>Odontostilbe parecis</i> | Bührnheim & Malabarba | 2006 | Amazon Basin |
| <i>Hypessobrycon borealis</i> | Zarske, Le Bail & Géry | 2006 | French Guiana | <i>Otocinclus batmani</i> | Lehmann A. | 2006 | Rio Puré in Colombia, and two creeks emptying into the Rio Amazonas near Iquitos, Peru |
| <i>Hypessobrycon heliacus</i> | Moreira, Landim & Costa | 2002 | Rio Tapajós, Brazil Basin, Central Brazil | <i>Otocinclus cocama</i> | Reis | 2004 | Departamento Loreto, Peru |
| <i>Hypessobrycon hexastichos</i> | Bertaco & Carvalho | 2005 | Mato Grosso, Brazil | <i>Otocinclus cocama</i> | Reis | 2004 | Rio Ucayali, Peru |
| <i>Hypessobrycon melanostichos</i> | Carvalho & Bertaco | 2006 | Rio Tapajós, Brazil Basin on Chapada dos Parecis, central Brazil | <i>Pachyurus stewarti</i> | Casatti & Chao | 2002 | Rio Napo Basin, Eastern Ecuador |
| <i>Hypessobrycon nigricinctus</i> | Zarske & Géry | 2004 | Rio Madre de Dios in Peru | <i>Panaqolus changae</i> | Chockley & Armbruster | 2002 | Eastern Peru |
| <i>Hypessobrycon notidanos</i> | Carvalho & Bertaco | 2006 | Rio Tapajós, Brazil Basin on Chapada dos Parecis, central Brazil | <i>Panaque bathyphillus</i> | Lujan & Chamon | 2008 | Itaya and Momon River Basins in Peru |
| <i>Hypessobrycon otidensis</i> | García-Alzate, Román-Valencia & Taphorn | 2008 | Putumayo River drainage, Colombian Amazon | <i>Parancistrus nudiventris</i> | Rapp Py-Daniel & Zuanon | 2005 | Rio Xingu, Brazil, Brazil |
| <i>Hypessobrycon pando</i> | Hein | 2008 | Departamento Pando, Bolivia | <i>Pariosternarchus amazonensis</i> | Albert & Crampton | 2006 | Amazon River |
| <i>Hypessobrycon scutulatus</i> | Lucena | 2003 | Rio Tapajós, Brazil system | <i>Peckoltia cavatica</i> | Armbruster, J.W. and D.C. Werneke | 2005 | Guyana |
| <i>Hypostomus ericae</i> | Hollanda Carvalho & Weber | 2005 | Middle and lower Amazon System | <i>Peckoltia sabaji</i> | Armbruster, J.W. | 2003 | Guyana Shield |
| <i>Hypostomus ericius</i> | Armbruster | 2003 | Rio Amazonas drainage in Peru | <i>Phallobrycon adenacanthus</i> | Menezes, Ferreira & Netto-Ferreira | 2009 | Rio Xingu, Brazil Basin |
| <i>Hypostomus faveolus</i> | Zawadzki, Birindelli & Lima | 2008 | Rio Tocantins, Brazil and Rio Xingu, Brazil Basins in central Brazil | <i>Phenocogaster apletostigma</i> | de Lucena, Z.M.S. and C. de S. Gama | 2007 | State of Amapá, Brasil |
| <i>Hypostomus hemiochliodon</i> | Armbruster | 2003 | Rio Amazonas drainage in Peru | <i>Phreatobius dracunculus</i> | Shibatta, Muriel-Cunha & De Pinna | 2007 | Southwestern Amazon Basin |
| <i>Hypostomus macushi</i> | Armbruster, J.W. and L.S. de Souza | 2005 | Guyana | <i>Phreatobius sanguijuela</i> | Fernández, Saucedo, Carvajal-Vallejos & Schaefer | 2007 | Iténez River, Bolivia |
| <i>Hypostomus paucipunctatus</i> | Hollanda Carvalho & Weber | 2005 | Middle and lower Amazon System | <i>Physopyxis ananas</i> | Sousa and Rapp | 2005 | Rio Jutaí, Rio Solimões Basin, Amazonas State, Brazil |
| <i>Hypostomus simios</i> | Hollanda Carvalho & Weber | 2005 | Middle and lower Amazon System | <i>Physopyxis cristata</i> | Sousa and Rapp | 2005 | Rio Negro, Amazonas State, Brazil |
| <i>Hypostomus soniae</i> | Hollanda Carvalho & Weber | 2005 | Middle and lower Amazon System | <i>Pimelodus haisodus</i> | Ribeiro et al | 2008 | Rio Tocantins, Brazil |
| <i>Hypostomus waiampi</i> | Hollanda Carvalho & Weber | 2005 | Middle and lower Amazon System | <i>Pimelodus joannis</i> | Ribeiro et al | 2008 | Rio Tocantins, Brazil |
| <i>Iuglania mambai</i> | Bichutte & Trajano | 2008 | Rio Tocantins, Brazil | <i>Pimelodus stewarti</i> | Ribeiro et al | 2008 | Rio Tocantins, Brazil |
| <i>Jupiaba isasy</i> | Netto-Ferreira et al | 2009 | Rio Tapajós | <i>Pimelodus tetramerus</i> | Ribeiro & Lucena | 2006 | Rios Tapajós, Tocantins, Brasil |
| <i>Jupiaba kurua</i> | Birindelli, Zanata, Sousa & Netto-Ferreira | 2009 | Rio Curuá, Rio Xingu, Brazil Basin, Brazil | <i>Platyosternarchus crypticus</i> | de Santana & Vari | 2008 | Rio Branco, Brazil |
| <i>Jupiaba paranatinga</i> | Netto-Ferreira et al | 2009 | Rio Tapajós | <i>Potamotrygon boesemani</i> | Rosa, Carvalho, and Wanderley | 2008 | Suriname |
| <i>Jupiaba poekotero</i> | Zanata & Lima | 2005 | Rio Tiquié, Upper Rio Negro Basin, Brazil | <i>Propimelodus caesius</i> | Parisi, Lundberg & DoNascimento | 2006 | Amazon Basin |
| <i>Knodus borki</i> | Zarske | 2008 | Iquitos, Peru | <i>Pseudancistrus corantijnensis</i> | De Chambrier, S. and J.I. Montoya-Burgos | 2008 | Guyana Shield |
| <i>Knodus shinhota</i> | Ferreira & Carvajal | 2007 | Rio Shinhota, Rio Chapare Basin (Mamoré system), Bolivia | <i>Pseudobunocephalus lundbergi</i> | Friel | 2008 | Venezuela, Bolivar |
| <i>Knodus tiquiensis</i> | Ferreira & Lima | 2006 | Rio Tiquié, upper Rio Negro System, Brazil | <i>Pterygoplichthys weberi</i> | Armbruster and Page | 2006 | Colombia, Amazonas, Amazon River |
| <i>Laetacara fulvipinnis</i> | Staack & Schindler | 2007 | Rio Orinoco and Rio Negro in Venezuela | <i>Pyrrhulina elongata</i> | Zarske & Géry | 2001 | Rio Tapajós in Brazil |
| <i>Lasiancistrus saetiger</i> | Armbruster | 2005 | Brazil, Pará | <i>Rhabdolichops lundbergi</i> | Correa, Crampton & Albert | 2006 | Central Amazon |
| <i>Leporinus amazonicus</i> | Dos Santos & Zuanon | 2008 | Amazon lowlands, Brazil | <i>Rhabdolichops navalha</i> | Correa, Crampton & Albert | 2006 | Central Amazon |
| <i>Leporinus bleheri</i> | Géry | 1999 | Rio Guaporé-Iténez Basin | <i>Rhabdolichops nigrimans</i> | Correa, Crampton & Albert | 2006 | Central Amazon |
| <i>Leporinus geminis</i> | Garavello & Santos | 2009 | Araguaia-Tocantins system, Amazon Basin, Brazil | <i>Rhinodoras armbrusteri</i> | Sabaj et al | 2008 | Rio Branco, Brazil |
| <i>Leporinus guttatus</i> | Birindelli & Britski | 2009 | Rio Curuá, Rio Xingu, Brazil Basin, Serra do Cachimbo, Brazil | <i>Rineloricaria daraha</i> | Rapp Py-Daniel & Fichberg | 2008 | Rio Daraá, Rio Negro Basin, Amazon, Brazil |
| <i>Leporinus unitaeniatus</i> | Garavello & Santos | 2009 | Araguaia-Tocantins system, Amazon Basin, Brazil | <i>Rivulus amanán</i> | Costa & Lazzarotto | 2008 | Japurá River drainage, Amazonas River Basin, Brazil |
| <i>Leptodoras cataniai</i> | Sabaj | 2005 | Venezuela, Amazonas | <i>Rivulus amanapira</i> | Costa | 2004 | Rio Negro, Brazil |

Fish

| Species | Scientist(s) | Date | Location |
|---------------------------------------|---|------|--|
| <i>Rivulus cauræ</i> | Radda | 2004 | Rio Caura, Bolivar State, Venezuela |
| <i>Rivulus gaucheri</i> | Keith, P., L. Nandrin & P.-Y. Le Bail | 2006 | French Guiana |
| <i>Rivulus kayabi</i> | Costa | 2007 | Tapajós River Basin, southern Brazil |
| <i>Rivulus kirovskiy</i> | Costa | 2004 | Central Amazon, Brazil |
| <i>Rivulus mahdiaensis</i> | Suijker, W.H. and G.E. Collier | 2006 | Guyana |
| <i>Rivulus sapa</i> | Lasso-Alcalá, O.M., D.C. Taphorn, C.A. Lasso & O. León-Mata | 2006 | Guyana Shield, Venezuela |
| <i>Rivulus uakti</i> | Costa | 2004 | Rio Negro, Brazil |
| <i>Rivulus uatuman</i> | Costa | 2004 | Central Brazil |
| <i>Roeboides oligistos</i> | Lucena | 2000 | Rios Orinoco and Amazonas |
| <i>Scoloplox baskini</i> | Rocha, de Oliveira & Rapp Py-Daniel | 2008 | Rio Aripuanã, Amazonas, Brazil |
| <i>Serrasalmus altispinis</i> | Merckx, Jégu & Santos | 2000 | Rio uatumã, Amazonas, Brazil |
| <i>Simpsonichthys inaequipinnatus</i> | Costa | 2008 | Rio Tocantins, Brazil |
| <i>Simpsonichthys reticulatus</i> | Costa & Nielsen | 2003 | Rio Xingu, Brazil floodplains, Brazil |
| <i>Skiotocharax meizon</i> | Presswell, Weitzman & Bergquist | 2000 | Guyana |
| <i>Sorubim maniradii</i> | Littmann, Burr & Buitrago-Suarez | 2001 | Upper and middle Amazon Basin |
| <i>Steatogenys ocellatus</i> | Crampton, Thorsen & Albert | 2004 | Lowland Amazon Basin |
| <i>Steindachnerina notograptos</i> | Lucinda & Vari | 2009 | Rio Tocantins, Brazil |
| <i>Sternarchorhynchus caboclo</i> | de Santana & Nogueira | 2006 | Amazon Basin, Brazil |
| <i>Sternarchorhynchus curumim</i> | de Santana & Crampton | 2006 | lowland Amazon Basin, Brazil |
| <i>Sternarchorhynchus severii</i> | de Santana & Nogueira | 2006 | Amazon Basin, Brazil |
| <i>Sternopygus branco</i> | Crampton, Hulen & Albert | 2004 | Lowland Amazon Basin |
| <i>Synbranchus lampreia</i> | Favorito, Zanata & Assumpção | 2005 | Brazil, Pará |
| <i>Teleocichla centisquama</i> | Zuanon & Sazima | 2002 | Xingu River, Amazon |
| <i>Tetragonopterus lemniscatus</i> | Benine, R.C., G.Z. Pelição & R.P. Vari | 2004 | Corantijn River Basin in Suriname |
| <i>Tetranematichthys wallacei</i> | Vari & Ferraris | 2006 | Rio Negro |
| <i>Tometes lebaili</i> | Jégu, Keith & Belmont-Jégu | 2002 | Mana River and Maroni Basins in French Guiana, and Commewine River in Suriname |
| <i>Tometes makue</i> | Jégu, Santos & Belmont-Jégu | 2002 | Rio Negro (Brazil) and Orinoco(Venezuela) |
| <i>Trichomycterus therma</i> | Fernandez & Miranda | 2007 | Bolivia |

SUBTOTAL: 257

Amphibians

| Species | Scientist(s) | Date | Location |
|-------------------------------------|---|------|--|
| <i>Adelophryne patamona</i> | MacCulloch, Lathrop, Kok, Minter, Khan, and Barrio-Amoros | 2008 | Guyana |
| <i>Allobates caeruleodactylus</i> | Lima and Caldwell | 2001 | State of Amazonas, Brazil |
| <i>Allobates cepedai</i> | Morales | 2002 | Meta Department, Colombia |
| <i>Allobates conspicuus</i> | Morales | 2002 | Manu, Madre de Dios Region, Perú; Acre State, Brazil |
| <i>Allobates craspedoiceps</i> | Duellman | 2004 | San Martín Region, Peru |
| <i>Allobates crombiei</i> | Morales | 2002 | Rio Xingú, Para State, Brazil |
| <i>Allobates fratisenescus</i> | Morales | 2002 | Pastaza River, Ecuador |
| <i>Allobates fuscellus</i> | Morales | 2002 | Amazonas and Rondonia States, Brazil |
| <i>Allobates gasconi</i> | Morales | 2002 | Rio Jurua in Acre State and Amazonas State, Brazil |
| <i>Allobates grantii</i> | Kok, MacCulloch, Gaucher, Poelman, Bourne, Lathrop, and Lenglet | 2006 | French Guiana |
| <i>Allobates insperatus</i> | Morales | 2002 | Santa Cecilia, Napo Province, Ecuador |
| <i>Allobates masniger</i> | Morales | 2002 | Para State, Brazil |
| <i>Allobates melanolaemus</i> | Grant and Rodriguez | 2001 | Loreto Region, Peru |
| <i>Allobates nicicola</i> | Caldwell and Lima | 2003 | Amazonas State, Brazil |
| <i>Allobates ornatus</i> | Morales | 2002 | San Martín Region, Perú |
| <i>Allobates picachos</i> | Ardila-Robayo, Acosta-Galvis, & Coloma | 2000 | Western slopes of the Cordillera Oriental Boyacá and Santander and eastern slopes of the Cordillera Central Caldas and Antioquia, Colombia |
| <i>Allobates spumaponens</i> | Kok and Ernst | 2007 | Mabura Hill Forest Reserve, Guyana |
| <i>Allobates subfolionidificans</i> | Lima, Sanchez, and Souza | 2007 | Acre State, Brazil |
| <i>Allobates sumtuosus</i> | Morales | 2002 | Para State, Brazil; Loreto Region, Peru |
| <i>Allobates undulatus</i> | Myers and Donnelly | 2001 | State of Amazonas, Venezuela |
| <i>Allobates vanzolinus</i> | Morales | 2002 | Amazonas State, Brazil |
| <i>Ameerega altamazonica</i> | Twomey and Brown | 2008 | San Martín and Loreto Regions, Peru |
| <i>Ameerega ignipedis</i> | Brown and Twomey | 2009 | Loreto Region, Peru |
| <i>Ameerega pepperi</i> | Brown and Twomey | 2009 | Upper Huallaga valley, Peru |
| <i>Ameerega pongoensis</i> | Schulte | 1999 | Pongo de Aguirre, Amazonas Region, Peru |
| <i>Ameerega yoshina</i> | Brown and Twomey | 2009 | San Martín Region, Peru |
| <i>Ameerega yungicola</i> | Lötters, Schmitz, and Reichle | 2005 | La Paz Department, Bolivia |
| <i>Anomaloglossus baeobatrachus</i> | Boistel and Massary | 1999 | French Guiana, Suriname, Brazil |
| <i>Anomaloglossus breweri</i> | Barrio-Amorós | 2006 | Bolivar State, Venezuela |
| <i>Anomaloglossus kaiei</i> | Kok, Sambhu, Roopsind, Lenglet & Bourne | 2006 | Kaieteur National Park, Guyana |
| <i>Anomaloglossus moffetti</i> | Barrio-Amorós and Brewer-Carias | 2008 | Brazil, Venezuela |
| <i>Anomaloglossus triunfo</i> | Barrio-Amorós, Fuentes-Ramos & Rivas-Fuenmayor | 2004 | Bolivar State, Venezuela |
| <i>Anomaloglossus wothuja</i> | Barrio-Amorós, Fuentes-Ramos & Rivas-Fuenmayor | 2004 | Amazonas State, Venezuela |
| <i>Atelopus dimorphus</i> | Lötters | 2003 | Cordillera Azul, Huánuco Region, Peru |
| <i>Atelopus epikeisthos</i> | Lötters, Schulte, and Duellman | 2005 | Amazonas Region, Peru |
| <i>Atelopus mittermeieri</i> | Acosta-Galvis, Rueda-Almonacid, Velásquez-Álvarez, Sánchez-Pacheco, and Peña-Prieto | 2006 | El Encino Municipal, Santander Department, Colombia |
| <i>Atelopus monohermandezii</i> | Ardila-Robayo, Osorno-Muñoz & Ruiz-Carranza | 2002 | Santander Department, Colombia |
| <i>Atelopus oxapampae</i> | Lehr, Lötters, and Mikael | 2008 | Chontabamba District, Pasco Province, Pasco Region, Peru |
| <i>Atelopus petersi</i> | Coloma, Lötters, Duellman, & Miranda-Leiva | 2007 | Napo Province and (provisionally) Chimborazo, Ecuador |
| <i>Atelopus petriniuzi</i> | Ardila-Robayo | 1999 | Caquetá Department, Colombia |
| <i>Atelopus pyrodactylus</i> | Venegas and Barrio | 2006 | Mariscal Cáceres Province, San Martín Region, Peru |
| <i>Atelopus reticulatus</i> | Lötters, Haas, Schick, and Böhme | 2002 | Ucayali Region, Peru |
| <i>Brasilotophylus guarantanus</i> | Maciel, Mott and Hoogmoed | 2009 | North of Mato Grosso State, city of Guarantã do Norte |
| <i>Centrolene condor</i> | Cisneros-Heredia and Morales-Mite | 2008 | Western slope of the Cordillera del Cóndor, Zamora-Chinchipe Province, Ecuador |
| <i>Centrolene durrellorum</i> | Cisneros-Heredia | 2007 | Zamora-Chinchipe Province and Napo Province, Ecuador |

Amphibians

| Species | Scientist(s) | Date | Location | Species | Scientist(s) | Date | Location |
|--------------------------------------|---|------|---|-------------------------------------|--|------|---|
| <i>Centrolene mariaelenae</i> | Cisneros-Heredia and McDiarmid | 2006 | Napo Province, Tungurahua, Morona-Santiago Province and Zamora-Chinchipec Province, Ecuador | <i>Hypsiboas jimenezi</i> | Señaris and Ayarzagüena | 2006 | Bolívar State, Venezuela |
| <i>Chiasmocleis avilapiresae</i> | Peloso and Sturaro | 2008 | Known from south of the Amazon river, but within its drainage from central Amazonas State and eastern Rondonia State, northwestern Mato Grosso State, to south-central Para State to near the mouth of the Amazon | <i>Hypsiboas liliae</i> | Kok | 2006 | Potaro-Siparuni District, Guyana |
| <i>Chiasmocleis devriesi</i> | W. Chris Funk & David C. Cannatella | 2009 | Amazonian Peru | <i>Hypsiboas nympha</i> | Faivovich, Moravec, Cisneros-Heredia & Köhler | 2006 | Upper Amazon Basin of eastern Ecuador, northeastern Peru and vicinity of Leticia, Colombia |
| <i>Chiasmocleis jimi</i> | Caramaschi and Cruz | 2001 | Amazonas State and Para State, Brazil | <i>Hypsiboas rhythmicus</i> | Señaris and Ayarzagüena | 2002 | Parque Nacional Jaua-Sarisariñama, Bolívar State, Venezuela |
| <i>Chiasmocleis magnova</i> | Moravec and Köhler | 2007 | Iquitos, Amazonas Region, Peru | <i>Hypsiboas tepuianus</i> | Barrio-Amorós and Brewer-Carias | 2008 | Southern slope of Sarisariñama-tepui, Locality VI, Bolívar State, Venezuela |
| <i>Cochranella ameliae</i> | Cisneros-Heredia and Meza-Ramos | 2007 | Pastaza Province, Ecuador | <i>Leptodactylus heyeri</i> | Boistel, Massary, and Angulo | 2006 | French Guiana |
| <i>Cochranella erminea</i> | Torres-Gastello, Suárez-Segovia & Cisneros-Heredia | 2007 | Tambo River Basin, Satipo Province, Junín Region, Peru | <i>Leptodactylus paraensis</i> | Heyer | 2005 | Para State, Brazil |
| <i>Cochranella mcDiarmidi</i> | Cisneros-Heredia, Venegas, Rada & Schulte | 2008 | Peru, Ecuador | <i>Nannophryne apolobambica</i> | De la Riva, Ríos, and Aparicio | 2005 | Franz Tamayo Province, La Paz Department, Bolivia |
| <i>Cochranella phryxa</i> | Aguayo-Vedia and Harvey | 2006 | La Paz Department, Bolivia | <i>Nobella ritarsquiniae</i> | Kolher | 2000 | Bolivian Amazon |
| <i>Dendrobates nubeculosus</i> | Jungfer and Böhme | 2004 | Mazruni Potaro District, Guyana | <i>Noblella duellmani</i> | Lehr, Aguilar, and Lundberg | 2004 | Paucartambo District, Pasco Province, Pasco Region, Peru |
| <i>Dendropsophus coffeus</i> | Köhler, Jungfer, and Reichle | 2005 | Peru; La Paz Department, Bolivia | <i>Noblella pygmaea</i> | Lehr and Catenazzi | 2009 | Upper Cosnipata Valley in southern Peru Cusco Region |
| <i>Dendropsophus delarivai</i> | Köhler and Lötters | 2001 | Yungas of Cochabamba, Bolivia | <i>Nymphargus laurae</i> | Cisneros-Heredia and McDiarmid | 2007 | Orellana Province, Ecuador |
| <i>Dendropsophus gaucheri</i> | Lescure and Marty | 2000 | French Guiana, Suriname | <i>Nymphargus mixomaculatus</i> | Guayasamin, Lehr, Rodríguez & Aguilar | 2006 | Cordillera de Carpih, Huánuco Province, Huánuco Region, Peru |
| <i>Dendropsophus joanna</i> | Köhler and Lötters | 2001 | Pando Department, Bolivia | <i>Nymphargus wileyi</i> | Guayasamin, Bustamante, Almeida-Reinoso & Funk | 2006 | Napo Province, Ecuador |
| <i>Dendropsophus juliani</i> | Moravec, Aparicio, and Köhler | 2006 | Madre de Dios Region, Peru; Pando Department, Bolivia and possibly also from the Santa Cruz Department, suggesting its likely occurrence in adjacent Brazil. | <i>Oreobates choristolemma</i> | Harvey and Sheehy | 2005 | Caranavi Province, La Paz Department, Bolivia |
| <i>Dendropsophus reichlei</i> | Moravec, Aparicio, Guerrero-Reinhard, Calderon, & Köhler | 2008 | Pando Department, Bolivia | <i>Oreobates lehri</i> | Padial, Chaparro, and De la Riva | 2007 | Cloud forests of the Apurimac and Koshipata valleys, southern Peru |
| <i>Gastrotheca atympana</i> | Duellman, Lehr, Rodríguez, and von May | 2004 | Pampa Hermosa, Tarma Province, Junín Region, Peru | <i>Oreobates madidi</i> | Padial, Gonzáles, and De la Riva | 2005 | Franz Tamayo Province, La Paz Department, Bolivia |
| <i>Gastrotheca cariniceps</i> | Duellman, Trueb, and Lehr | 2006 | Province of Oxapampa, from the vicinity of San Alberto, Peru | <i>Oreobates sanderi</i> | Padial, Reichle, and De la Riva | 2005 | Franz Tamayo Province, La Paz Department, Bolivia |
| <i>Gastrotheca ossilaginis</i> | Duellman and Venegas | 2005 | San Martín Region, Peru | <i>Oreophrynella dendronastes</i> | Lathrop and MacCulloch | 2007 | Mount Ayanganna, Guyana |
| <i>Gastrotheca phalarosa</i> | Duellman and Venegas | 2005 | San Martín Region, Peru | <i>Oreophrynella seegobini</i> | Kok | 2009 | Pakaraima Mountains, Guyana |
| <i>Gastrotheca piperata</i> | Duellman and Köhler | 2005 | Cochabamba Department, Bolivia | <i>Oreophrynella weiaissipuenis</i> | Señaris, Nascimento, and Villarreal | 2005 | Wei-Assipu Tepui on the Guyana-Brazil border |
| <i>Gastrotheca zeugocystis</i> | Duellman, Lehr, Rodríguez, and von May | 2004 | Cordillera de Carpih, Huánuco Province, Huánuco Region, Peru | <i>Osornophryne purpurata</i> | Gluesenkamp and Guayasamin | 2008 | Cordillera de Pimampiro, Imbabura Province, Ecuador |
| <i>Hemiphysalis helioi</i> | Sheil and Mendelson | 2001 | Brazil, Peru, Bolivia | <i>Osteocephalus castaneicola</i> | Moravec et al | 2009 | Amazonian Bolivia |
| <i>Hyalinobatrachium carlesvilai</i> | Castroviejo-Fisher, Padial, Chaparro, Aguayo & De la Riva | 2009 | Amazonian slopes of the Andes in Peru and Bolivia | <i>Osteocephalus deridens</i> | Jungfer, Ron, Seipp, and Almendáriz | 2000 | Napo Province, Francisco de Orellana Province and Sucumbios Province, Ecuador |
| <i>Hyalinobatrachium eccentricum</i> | Myers and Donnelly | 2001 | Amazonas State, Venezuela | <i>Osteocephalus exophthalmus</i> | Smith and Noonan | 2001 | Tepui south of Imbaimadai, Guyana |
| <i>Hyalinobatrachium ignioculus</i> | Noonan and Bonett | 2003 | Venezuela, Guyana | <i>Osteocephalus fuscifacies</i> | Jungfer, Ron, Seipp, and Almendáriz | 2000 | Napo Province, Orellana Province and Sucumbios Province, Ecuador |
| <i>Hyalinobatrachium mesai</i> | Barrio-Amorós and Brewer-Carias | 2008 | Brazil, Venezuela | <i>Osteocephalus heyeri</i> | Lynch | 2002 | Amazonas Department, Colombia and adjacent Loreto Region, Peru |
| <i>Hyalinobatrachium mondolfi</i> | Señaris and Ayarzagüena | 2001 | Delta Amacura and Monagas, Venezuela | <i>Osteocephalus leoniae</i> | Jungfer and Lehr | 2001 | Oxapampa Province, Pasco Region, Peru |
| <i>Hyalinobatrachium nouraguense</i> | Lescure and Marty | 2000 | Nouragues Reserve, French Guiana; President Figueiredo, Amazonas State, Brazil | <i>Osteocephalus mutabor</i> | Jungfer and Hödl | 2002 | Ucayali Region, Peru |
| <i>Hyloscirtus tapichalaca</i> | Kizirian, D., Coloma, L.A. & Paredes-Recalde, A. | 2003 | Zamora-Chinchipec Province, Ecuador | <i>Osteocephalus phasmatus</i> | MacCulloch and Lathrop | 2005 | Mount Ayanganna, Guyana |
| <i>Hyloxalus aeruginosus</i> | Duellman | 2004 | San Martín Region, Peru | <i>Osteocephalus yasuni</i> | Ron and Pramuk | 1999 | Upper Amazon Basin in Ecuador; Loreto Region, Peru; Amazonas Department, Colombia |
| <i>Hyloxalus chlorocraspedus</i> | Caldwell | 2005 | West of Porto Walter, Acre State, Brazil and from the Ucayali Region, Peru | <i>Phyllomedusa camba</i> | De la Riva | 1999 | Southwestern Amazon Basin from southeastern Peru (Regions of Madre de Dios and Yacayali), western Brazil (States of Acre, Amazonas and Rondonia) to eastern Bolivia (Departments of Beni, Cochabamba, La Paz, Pando and Santa Cruz) |
| <i>Hyloxalus eleutherodactylus</i> | Duellman | 2004 | San Martín Region, Peru | <i>Pristimantis achuar</i> | Elmer and Cannatella | 2008 | Pastaza Province and Napo Province, Ecuador |
| <i>Hyloxalus insulatus</i> | Duellman | 2004 | Amazonas Region, Peru | <i>Pristimantis adistotus</i> | Duellman and Hedges | 2007 | Lower humid montane forest on the eastern slopes of the Cordillera Yanachaga in Pasco Region, Peru |
| <i>Hyloxalus leucophaeus</i> | Duellman | 2004 | Amazonas Region, Peru | <i>Pristimantis albertus</i> | Duellman and Hedges | 2007 | Río San Alberto, Oxapampa, Pasco Region, Peru |
| <i>Hyloxalus patitae</i> | Lotters et al | 2003 | Upper Amazonian Basin, Peru | <i>Pristimantis altamnis</i> | Elmer and Cannatella | 2008 | Napo Province, Ecuador |
| <i>Hyloxalus saltuarius</i> | Grant and Ardila-Robayo | 2002 | Caquetá Department, Colombia | <i>Pristimantis andinognomus</i> | Lehr and Coloma | 2008 | Cordillera Oriental of the southern Ecuadorian Andes |
| <i>Hyloxalus sordidatus</i> | Duellman | 2004 | San Martín Region, Peru | <i>Pristimantis antioptalmatus</i> | Duellman and Hedges | 2005 | Western slopes of the Cordillera Yanachaga, Oxapampa Province, Pasco Region, Peru |
| <i>Hyloxalus spilogaster</i> | Duellman | 2004 | Amazonas Region, Peru | <i>Pristimantis aequilinaris</i> | Lehr, Aguilar, Siu-Ting, and Jordán | 2007 | In montane forests, northern Piura Region, Peru |
| <i>Hypodactylus araiodactylus</i> | Duellman and Pramuk | 1999 | Amazonas Region, Peru | <i>Pristimantis aracamuni</i> | Barrio-Amorós and Molina | 2006 | Known only from the summit of Cerro Aracamuni, a granitic mountain associated with the Neblina massif, southern Amazonas State, Venezuela |
| <i>Hypodactylus fallaciosus</i> | Duellman | 2000 | State of Amazonas, Peru | <i>Pristimantis ardalonychus</i> | Duellman and Pramuk | 1999 | Rioja Province, San Martín Region, Peru |
| <i>Hypodactylus lundbergi</i> | Lehr | 2005 | Paucartambo District, Pasco Province, Pasco Region, Peru | <i>Pristimantis atrabracus</i> | Duellman and Pramuk | 1999 | Bagua Province, Amazonas Region, Peru |
| <i>Hypsiboas angelicus</i> | Myers and Donnelly | 2008 | Bolívar State, Venezuela | <i>Pristimantis aureolineatus</i> | Guayasamin, Ron, Cisneros-Heredia, Lamar & McCracken | 2006 | Amazon Basin of eastern Ecuador and northeastern Peru |
| | | | | <i>Pristimantis auricarenis</i> | Myers and Donnelly | 2008 | Summit of Auyantepui, Bolívar, Venezuela |
| | | | | <i>Pristimantis avicuporum</i> | Duellman and Pramuk | 1999 | Bagua Province, Amazonas Region, Peru |
| | | | | <i>Pristimantis bellator</i> | Lehr, Aguilar, Siu-Ting & Jordán | 2007 | Northern Piura Region and adjacent Cajamarca Region, Peru |
| | | | | <i>Pristimantis bicantus</i> | Guayasamin & Funk | 2009 | Amazonian slopes of the Andes of Ecuador |

Amphibians

| Species | Scientist(s) | Date | Location |
|--------------------------------------|--|------|---|
| <i>Pristimantis bipunctatus</i> | Duellman and Hedges | 2005 | Distributed in lowland and cloud forests of Ucayali, Peru |
| <i>Pristimantis caeruleonotus</i> | Lehr, Aguilar, Siu-Ting, and Jordán | 2007 | Huancabamba Province, Piura Region, Peru |
| <i>Pristimantis coronatus</i> | Lehr and Duellman | 2007 | Huancabamba Province, Piura Region, Peru |
| <i>Pristimantis corrugatus</i> | Duellman, Lehr, and Venegas | 2006 | Northern part of the Cordillera Central in northern Peru |
| <i>Pristimantis cuneirostris</i> | Duellman and Pramuk | 1999 | Bagua Province, Amazonas Region, Peru |
| <i>Pristimantis dendrobatoides</i> | Means and Savage | 2007 | Wokomung Massif in west-central Guyana in cloud forest habitat |
| <i>Pristimantis exoristus</i> | Duellman and Pramuk | 1999 | Morona-Santiago Province, Ecuador |
| <i>Pristimantis flavobracatus</i> | Lehr, Lundberg, Aguilar, and von May | 2006 | Chontabamba District, Oxapampa Province, Pasco Region, Peru |
| <i>Pristimantis guaiquinimensis</i> | Schlüter and Rödder | 2007 | Guaiquinima Tepui, Bolívar State, Venezuela |
| <i>Pristimantis huicundo</i> | Guayasamin, Almeida-Reinoso, and Nogales-Sornosa | 2004 | Provinci Sucumbios, Cordillera Oriental in northern Ecuador |
| <i>Pristimantis infraguttatus</i> | Duellman and Pramuk | 1999 | Morona-Santiago Province, Ecuador |
| <i>Pristimantis jester</i> | Means and Savage | 2007 | Wokomung Massif of west-central Guyana |
| <i>Pristimantis kichwarum</i> | Elmer and Cannatella | 2008 | Napo Province, Ecuador |
| <i>Pristimantis koehleri</i> | Padial and De la Riva | 2009 | Santa Cruz Department, Bolivia |
| <i>Pristimantis leucorrhinus</i> | Boano, Mazzotti, and Sindaco | 2008 | Chontabamba District, Oxapampa Province, Pasco Region, Peru |
| <i>Pristimantis lucasi</i> | Duellman and Chaparro | 2008 | Humid elfin montane forest, Oxapampa District, Pasco Region, Peru |
| <i>Pristimantis marahuaka</i> | Fuentes-Ramos and Barrio-Amorós | 2004 | Amazonas State, Venezuela |
| <i>Pristimantis melanogaster</i> | Duellman and Pramuk | 1999 | Amazonas Region, Peru |
| <i>Pristimantis metabates</i> | Duellman and Pramuk | 1999 | Bagua Province, Amazonas Region, Peru |
| <i>Pristimantis minutulus</i> | Duellman and Hedges | 2007 | Oxapampa, Pasco Region, Peru |
| <i>Pristimantis muscosus</i> | Duellman and Pramuk | 1999 | Rioja Province, San Martín Region, Peru |
| <i>Pristimantis nephophilus</i> | Duellman and Pramuk | 1999 | Rioja Province, San Martín Region, Peru |
| <i>Pristimantis ornatus</i> | Lehr, Lundberg, Aguilar, and von May | 2006 | Pasco Region, Peru |
| <i>Pristimantis pataikos</i> | Duellman and Pramuk | 1999 | Bagua Province, Amazonas Region, Peru; Zamora-Chinchi Province, Ecuador |
| <i>Pristimantis reichlei</i> | Padial and De la Riva | 2009 | Huánuco Region, Peru |
| <i>Pristimantis rhabdocnemus</i> | Duellman and Hedges | 2005 | Western slopes of the Cordillera Yanachaga, Oxapampa Province, Pasco Region, Peru |
| <i>Pristimantis rhodostichus</i> | Duellman and Pramuk | 1999 | Amazonas Region, Peru; Zamora-Chinchi Province, Ecuador |
| <i>Pristimantis royi</i> | Morales | 2007 | Huancabamba Province, Pasco Region, Peru |
| <i>Pristimantis rufioculis</i> | Duellman and Pramuk | 1999 | Rioja Province, San Martín Region, Peru |
| <i>Pristimantis sagittulus</i> | Lehr, Aguilar, and Duellman | 2004 | Cordillera Oriental in the yungas formation, Oxapampa Province, Pasco Region, Peru |
| <i>Pristimantis saltissimus</i> | Means and Savage | 2007 | Wokomung Massif, west-central Guyana |
| <i>Pristimantis sarisarinama</i> | Barrio-Amorós and Brewer-Carias | 2008 | Sarisariñama-tepui, Bolívar, Venezuela |
| <i>Pristimantis seorsus</i> | Lehr | 2007 | Cordillera de Vilcabamba, Satipo Province, Junín Region, Peru |
| <i>Pristimantis serendipitus</i> | Duellman and Pramuk | 1999 | Amazonas Region, Peru; Zamora-Chinchi Province, Ecuador |
| <i>Pristimantis spectabilis</i> | Duellman and Chaparro | 2008 | Santa Bárbara, Huancabamba District, Oxapampa Province, Pasco Region, Peru |
| <i>Pristimantis stegolepis</i> | Schlüter and Rödder | 2007 | Guaiquinima Tepui, Bolívar, Venezuela |
| <i>Pristimantis stictobouabonus</i> | Duellman, Lehr, and Venegas | 2006 | Northern part of the Cordillera Central, Mariscal Cáceres Province, San Martín Region, Peru |
| <i>Pristimantis stictogaster</i> | Duellman and Hedges | 2005 | Western slope of the Cordillera Yanachaga, Pasco Province, Pasco Region, Peru |
| <i>Pristimantis tantanti</i> | Lehr, Torres-Gastello & Suárez-Segovia | 2007 | Amazonian lowlands of the northern Cusco Region, Peru |
| <i>Pristimantis tanyrhynchus</i> | Lehr | 2007 | Cordillera de Vilcabamba, Satipo Province, Junín Region, Peru |
| <i>Pristimantis tepuiensis</i> | Schlüter and Rödder | 2007 | Guaiquinima Tepui, Bolívar, Venezuela |
| <i>Pristimantis wagteri</i> | Venegas | 2007 | Vicinity of the Lake Los Cóndores, San Martín Region, Peru |
| <i>Pristimantis waorani</i> | McCracken, Forstner, and Dixon | 2007 | Yasuni National Park, Orellana Province, Ecuador |
| <i>Pristimantis yuruaniensis</i> | Rödder and Jungfer | 2008 | Yuruani-tepui, Bolívar State, Venezuela |
| <i>Pristimantis zoilae</i> | Mueses-Cisneros | 2007 | Putumayo Department, Colombia |
| <i>Proceratophrys concavitypanum</i> | Giarretta, Bernarde & Kokubum | 2000 | Rondonia State, Brazil |
| <i>Psychrophrynella ankohuma</i> | Padial & De la Riva | 2007 | La Paz Department, Bolivia |
| <i>Psychrophrynella chacaltaya</i> | De la Riva, Padial & Cortéz | 2007 | Nor Yungas Province, La Paz Department, Bolivia |
| <i>Psychrophrynella condoriri</i> | De la Riva, Aguayo & Padial | 2007 | La Paz Department, Bolivia |
| <i>Psychrophrynella guillei</i> | De la Riva | 2007 | La Paz Department, Bolivia |
| <i>Psychrophrynella iani</i> | De la Riva, Reichle & Cortéz | 2007 | La Paz Department, Bolivia |
| <i>Psychrophrynella illampu</i> | De la Riva, Reichle & Padial | 2007 | La Paz Department, Bolivia |

| Species | Scientist(s) | Date | Location |
|---------------------------------------|--|------|--|
| <i>Psychrophrynella illimani</i> | De la Riva & Padial | 2007 | Sud Yungas Province, La Paz Department, Bolivia |
| <i>Psychrophrynella kallawayaya</i> | De la Riva & Martínez-Solano | 2007 | La Paz Department, Bolivia |
| <i>Psychrophrynella katantika</i> | De la Riva & Martínez-Solano | 2007 | Franz Tamayo Province, La Paz Department, Bolivia |
| <i>Psychrophrynella quimsacruzisi</i> | De la Riva, Reichle & Bosch | 2007 | La Paz Department, Bolivia |
| <i>Psychrophrynella saltator</i> | De la Riva, Reichle & Bosch | 2007 | La Paz Department, Bolivia |
| <i>Ranitomeya amazonica</i> | Schulte | 1999 | Northeastern Amazonian Peru |
| <i>Ranitomeya benedicta</i> | Brown, Twomey, Pepper & Sanchez-Rodriguez | 2008 | Loreto Region and eastern San Martín Region, Peru |
| <i>Ranitomeya defleri</i> | Twomey and Brown | 2009 | Rio Apaporis region in southeastern Colombia |
| <i>Ranitomeya duellmani</i> | Schulte | 1999 | Northeastern Amazonian Peru, possibly into eastern Ecuador and adjacent Colombia |
| <i>Ranitomeya flavovittata</i> | Schulte | 1999 | Northeastern Amazonian Peru |
| <i>Ranitomeya intermedia</i> | Schulte | 1999 | Huallaga Canyon, San Martín Region, Peru |
| <i>Ranitomeya summersi</i> | Brown, Twomey, Pepper & Sanchez-Rodriguez | 2008 | San Martín Region, Peru |
| <i>Ranitomeya uakarii</i> | Brown, Schulte & Summers | 2006 | Tamshiyacu-Tahuayo Reserve, Loreto Region, Peru |
| <i>Rhinella cristinae</i> | Vélez-Rodriguez & Ruiz-Carranza | 2002 | Caquetá Department, Colombia |
| <i>Rhinella lescurei</i> | Fouquet, Gaucher, Blanc & Vélez-Rodriguez | 2007 | French Guiana |
| <i>Rhinella magnussoni</i> | Lima, Menin, and Araújo | 2007 | State of Para, Brazil |
| <i>Rhinella manu</i> | Chaparro, Pramuk, and Gluesenkamp | 2007 | Manu National Park in southeastern Peru |
| <i>Rhinella martyi</i> | Fouquet, Gaucher, Blanc & Vélez-Rodriguez | 2007 | French Guiana, Guyana, Suriname |
| <i>Rhinella stanlaui</i> | Lötters and Köhler | 2000 | La Paz Department, Bolivia |
| <i>Rhinella tacana</i> | Padial, Reichle, McDiarmid, and De la Riva | 2006 | Franz Tamayo Province, La Paz Department, Bolivia |
| <i>Scinax iquiturum</i> | Moravec, Tuanama, Pérez & Lehr | 2009 | Area of Iquitos, Loreto Region, Peru |
| <i>Scinax jobyi</i> | Lescure and Marty | 2000 | French Guiana |
| <i>Stefania ackawaio</i> | MacCulloch and Lathrop | 2002 | Pakaraima Mountains, Guyana |
| <i>Stefania ayangannae</i> | MacCulloch and Lathrop | 2002 | Pakaraima Mountains, Guyana |
| <i>Stefania breweri</i> | Barrio-Amorós and Fuentes-Ramos | 2003 | Amazonas State, Venezuela |
| <i>Stefania coxi</i> | MacCulloch and Lathrop | 2002 | Pakaraima Mountains, Guyana |
| <i>Telmatobius espadai</i> | De la Riva | 2005 | La Paz Department, Bolivia |
| <i>Telmatobius sibiricus</i> | De la Riva and Harvey | 2003 | La Paz Department, Bolivia |
| <i>Telmatobius timens</i> | De la Riva, Aparicio, and Rios | 2005 | Franz Tamayo Province, La Paz Department, Bolivia |

SUBTOTAL: 216

Reptiles

| Species | Scientist(s) | Date | Location |
|---------------------------------------|-------------------------|------|---|
| <i>Adercosaurus vixadnexus</i> | Myers & Donnelly | 2001 | Yutajé-Corocoro Massif, Venezuela |
| <i>Anolis cuscoensis</i> | Poe and Miranda | 2008 | Andean Amazonia, Peru |
| <i>Anolis soinii</i> | Poe, Miranda & Lehr | 2008 | Andean Amazonia, Peru |
| <i>Anolis williamsmittermeierorum</i> | Poe & Yanez-Miranda | 2007 | Rioja, San Martín Region, Peruvian Amazon |
| <i>Apostolepis striata</i> | De Lema | 2004 | Rondônia State, Brazil |
| <i>Arthrosaura guianensis</i> | MacCulloch and Lathrop | 2001 | Northeast plateau of Mount Ayanganna, Pakaraima Mountains, Guyana |
| <i>Arthrosaura hoogmoedi</i> | Kok | 2008 | Summit plateau of Mount Maringma, Cuyuni-Mazruni District, Guyana |
| <i>Arthrosaura montigena</i> | Myers & Donnelly | 2008 | Auyantepui, Venezuela |
| <i>Arthrosaura testigenis</i> | Gorzula & Senaris | 1999 | Bolívar State, Venezuela |
| <i>Atractus altagratiae</i> | Passos and Fernandes | 2008 | Pará State, Brazil |
| <i>Atractus caxiuaana</i> | Prudente & Santos-Costa | 2006 | Pará State, Brazil |
| <i>Atractus charitoae</i> | Silva Haad | 2004 | Vaupés Department, Colombia |
| <i>Atractus davidhardi</i> | Silva Haad | 2004 | Leticia Department, Colombia |

Reptiles

| Species | Scientist(s) | Date | Location |
|--------------------------------------|-----------------------------------|------|---|
| <i>Atractus emersoni</i> | Silva Haad | 2004 | Colombia |
| <i>Atractus franciscopaiyai</i> | Silva Haad | 2004 | La Pedrera, Colombia |
| <i>Atractus guerreroi</i> | Myers & Donnelly | 2008 | Auyantepui, Venezuela |
| <i>Atractus heliobelluomini</i> | Silva Haad | 2004 | La Chorrera, Colombia |
| <i>Atractus janethae</i> | Silva Haad | 2004 | Colombia |
| <i>Atractus lucilae</i> | Silva Haad | 2004 | La Pedreira, Colombia |
| <i>Atractus natans</i> | Hoogmoed & Prudente | 2003 | Amazonas State, Brazil |
| <i>Atractus surucucu</i> | Prudente & Passos | 2008 | Roraima State, Brazil |
| <i>Atractus tamessari</i> | Kok | 2006 | Kaieteur National Park, Potaro-Siparuni district, Guyana |
| <i>Batrachemys helioSTEMMA</i> | McCord et al | 2001 | Brazil, Colombia, Ecuador, Peru and Venezuela |
| <i>Cercosaura nigroventris</i> | Gorzula & Senaris | 1999 | Cerro Guanay, alto Rio Paraguaaza, Bolivar State, Venezuela |
| <i>Dipsas baliomelas</i> | Harvey | 2008 | Meta, Colombia |
| <i>Dipsas pakaraima</i> | MacCulloch and Lathrop | 2004 | Northeast plateau of Mount Ayanganna, Pakaraima Mountains, Guyana |
| <i>Echinosaura sulcarostrum</i> | Donnelly | 2006 | Guyana, Baramita |
| <i>Eunectes beniensis</i> | Dirksen | 2002 | Beni and Pando, Bolivia |
| <i>Gonotodes alexandermendesi</i> | Cole & Kok | 2006 | Kaieteur National Park, on the Potaro River, Guyana |
| <i>Gonotodes infernalis</i> | Rivas & Schargel | 2008 | Amazonas State, Venezuela |
| <i>Gonotodes superciliaris</i> | Barrio-Amoros & Brewer-Carias | 2008 | Bolivar State, Venezuela |
| <i>Gymnophthalmus vanzoi</i> | Carvalho | 1999 | Roraima State, Brazil |
| <i>Helicopsis tapajonicus</i> | Da Frota | 2005 | Pará State, Brazil |
| <i>Kaieturosaurus hindsii</i> | Kok | 2005 | Kaieteur National Park, Potaro-Siparuni district, Guyana |
| <i>Leposoma ferreirai</i> | Rodrigues & Avila-Pires | 2005 | Rio Negro, Amazonas State, Brazil |
| <i>Leptomicrurus renjifo</i> | Lamar | 2003 | Eastern Colombian llanos |
| <i>Liophis janaleeae</i> | Dixon | 2000 | Moyombamba, Peru |
| <i>Liopyphlops haadi</i> | Silva-Haad, Franco & Maldonado | 2008 | Colombia |
| <i>Mabuya altamazonica</i> | Miralles et al | 2006 | Peru |
| <i>Micrurus pacaraimae</i> | Carvalho | 2002 | Roraima State, Brazil |
| <i>Morunasaurus peruvianus</i> | Kohler | 2003 | Rio Cenepa, Amazonas Region, Peru |
| <i>Pantepuisaurus rodriguessi</i> | Kok | 2009 | Maringma tepui, western Guyana |
| <i>Phalotris labiomaculatus</i> | De Lema | 2002 | Brazil |
| <i>Phyllodactylus delsolari</i> | Venegas et al | 2008 | Peru |
| <i>Phyllodactylus thompsoni</i> | Venegas, Townsend, Koch and Böhme | 2008 | Amazonas Region, Peru |
| <i>Phyllopezus marañonensis</i> | Koch et al | 2006 | Amazonas Region, Peru |
| <i>Pseudoboa martinsi</i> | Zaher et al | 2008 | Brazil |
| <i>Pseudogonotodes gasconi</i> | Avila-Pires & Hoogmoed | 2000 | Acre State, Brazil |
| <i>Riolama luridiventris</i> | Esqueda et al | 2004 | Amazonas State, Venezuela |
| <i>Riolama uzzelli</i> | Molina & Senaris | 2003 | Amazonas State, Venezuela |
| <i>Stenocercus prionotus</i> | Cadle | 2001 | Huánuco Region, Perú |
| <i>Taeniophallus quadriocellatus</i> | Santos, Di-Bernardo & Lema | 2008 | Pará State, Brazil |
| <i>Thamnodynastes ramonriveroi</i> | Manzanilla & Sanchez | 2005 | Border of Brazil, Guyana, Suriname and Venezuela |
| <i>Thecadactylus solimoensis</i> | Bergmann & Russell | 2007 | Bolivia; Rondonia State, Brazil; S Columbia; Ecuador; S Peru |
| <i>Tropidurus panstictus</i> | Myers & Donnelly | 2001 | Yutajé-Corocoro Massif, Venezuela |

SUBTOTAL: 55

Birds

| Species | Scientist(s) | Date | Location |
|------------------------------------|--|------|--|
| <i>Ammaurospiza carrizalensis</i> | Lentino & Restall | 2003 | Isla Carrizal in the Caura River, in northern Venezuela |
| <i>Aratinga pinto</i> | Silveira, de Lima & Höfling | 2005 | Para State, Brazil |
| <i>Atlapetes melanopsis</i> | Valqui & Fjeldså | 1999 | Peru |
| <i>Capito wallacei</i> | O'Neill, Lane, Kratter, Capparella et al | 2000 | Cordillera Azul, Ucayali Region, Peru |
| <i>Cnipodectes supererruffus</i> | Lane, Servat, Valqui & Lambert | 2007 | Madre de Dios Region, Peru; Pando Department, Bolivia; Acre State, Brazil |
| <i>Grallaria ridgelyi</i> | Krabbe, Agro, Rice, Jacome, Navarrete & Sornoza | 1999 | Ecuador and Peru |
| <i>Micrastur mintoni</i> | Whittaker | 2003 | Para State, Brazil |
| <i>Myiopagis olallai</i> | Coopmans and Krabbe | 2000 | Napo Province, Zamora-Chinchipe Province and above Bermejo in Sucumbios Province, Ecuador; Apurimac in southern Peru |
| <i>Pernostola arenarum</i> | M.L. Isler, J.A. Alonso, P.R. Isler & B.M. Whitney | 2001 | Peru |
| <i>Pionopsitta aurantiocephala</i> | Gaban-Lima, Raposo & Höfling | 2002 | Brazil |
| <i>Poecilatriccus luluae</i> | Johnson & Jones | 2001 | Peru |
| <i>Poliopiila clemensi</i> | Whitney & Alonso | 2005 | Iquitos, Loreto Region, Peru |
| <i>Scytalopus stilesi</i> | Cuervo, Cadena, Krabbe & Renjifo | 2005 | Cordillera Central, Colombia |
| <i>Thamnophilus divisorius</i> | Whitney, Oren & Brumfield | 2004 | State of Acre, Brazil |
| <i>Xiphocolaptes carajaensis</i> | da Silva, Novaes & Oren | 2002 | Rio Xingu and Rio Tocantins, Brazil |
| <i>Zimmerius villarejo</i> | Alonso & Whitney | 2001 | Peru |

SUBTOTAL: 16

Mammals

| Species | Scientist(s) | Date | Location |
|--------------------------------|---|------|--|
| <i>Cacajao ayresi</i> | Boubli et al | 2008 | Aracá River, a left bank tributary of the Negro River, Amazonas State, Brazil |
| <i>Cacajao hosomi</i> | Boubli et al | 2008 | Brazil |
| <i>Callicebus aureipalatii</i> | Wallace et al | 2006 | Boliva, Peru |
| <i>Callicebus bernhardi</i> | Van Roosmalen et al | 2002 | Brazil |
| <i>Callicebus stephennashi</i> | Van Roosmalen et al | 2002 | Brazil |
| <i>Carollia benkeithi</i> | Solari & Baker | 2006 | Bolivia, Brazil, Peru |
| <i>Carollia manu</i> | Pacheco, Solari and Velazco | 2004 | Cuzco Region, Peru |
| <i>Coendou ichillus</i> | Voss, Silva | 2001 | Ecuador |
| <i>Coendou roosmalenorum</i> | Voss, Silva | 2001 | Brazil |
| <i>Cuscomys ashaninka</i> | Emmons | 1999 | Cuzco Region, Peru |
| <i>Echimys vieirai</i> | De Vivo & Percequillo | 2005 | Amazon River between the lower Madeira River to the right bank of the Tapajós, respectively in the states of Amazonas and Pará, Brazil |
| <i>Galea monasteriensis</i> | Solmsdorff et al | 2004 | Cordillera Oriental |
| <i>Hyladelphys kalinowskii</i> | Voss, Lunde, and Simmons | 2001 | French Guiana, Guyana and Peru. |
| <i>Inia boliviensis</i> | Martínez-Aguero, Flores-Ramirez & Ruiz-García | 2006 | Bolivia |
| <i>Isothrix barbarabrownae</i> | Patterson and Velazco | 2006 | Cuzco Region, Peru |
| <i>Lonchophylla orcesi</i> | Albuja & Gardner | 2005 | Ecuador |
| <i>Lonchophylla pattoni</i> | Woodman & Timm | 2006 | Peru |
| <i>Lophostoma yasuni</i> | Fonseca and Pinto | 2004 | Equador |
| <i>Mesomys occultus</i> | Patton et al | 2000 | Rio Jurua (type locality) and upper Rio Urucu, State of Amazonas, Brazil |
| <i>Mico acariensis</i> | Van Roosmalen et al | 2000 | Brazil |
| <i>Mico manicorensis</i> | Van Roosmalen et al | 2000 | Manaus, near the Madeira River, Brazil |
| <i>Micromycteris matses</i> | Simmons, Voss, Fleck | 2002 | Loreto Region, Peru; Brazil |
| <i>Monodelphis handleyi</i> | Solari | 2007 | Lowland forests of Loreto Region, Peru |
| <i>Monodelphis ronaldi</i> | Solari | 2004 | Manu National Park, Peru |
| <i>Neacomys dubosti</i> | Voss, Lunde & Simmons | 2001 | Amapá State, Brazil; French Guiana; Suriname |

Mammals

| Species | Scientist(s) | Date | Location |
|-------------------------------|------------------------|------|--|
| <i>Neacomys minutus</i> | Patton et al | 2000 | Central and lower drainage of the Rio Juruá, Brazil |
| <i>Neacomys musseri</i> | Patton et al | 2000 | Headwaters of the Rio Juruá, Peru; Brazil |
| <i>Neacomys paracou</i> | Voss, Lunde & Simmons | 2001 | States of Amapa, Amazonas, Para, Brazil; French Guiana; Guyana, Suriname; Venezuela |
| <i>Neusticomys ferreirai</i> | Percequillo et al | 2005 | Mato Grosso State, Brazil |
| <i>Philander deltae</i> | Lew et al | 2006 | Flooded swamp forests, Orinoco River delta region and nearby rivers of Venezuela |
| <i>Philander mondolfi</i> | Lew et al | 2006 | Eastern side of Cordillera Oriental in Colombia and Venezuela |
| <i>Philander olroji</i> | Flores, Barquez & Díaz | 2008 | Peru, Bolivia |
| <i>Platyrrhinus albericoi</i> | Velazco | 2005 | Eastern slope of the Andes in Bolivia, Ecuador and Peru |
| <i>Platyrrhinus ismaeli</i> | Velazco | 2005 | Both slopes of the Andes in Colombia, Ecuador and Peru |
| <i>Platyrrhinus masu</i> | Velazco | 2005 | Province of Paucartambo, Cuzco Region, Peru |
| <i>Rhagomys longilingua</i> | Luna, Patterson | 2003 | Manu National Park, Peru |
| <i>Rhipidomys gardneri</i> | Patton et al | 2000 | State of Acre, Brazil; lowlands of southeast Peru, perhaps including the valley of the Rio Ucayali |
| <i>Thomasomys onkiro</i> | Luna & Pacheco | 2002 | Single locality (which includes Otishi National Park) in the Cordillera Oriental, Peru |
| <i>Thomasomys ucucha</i> | Voss | 2003 | Cordillera Oriental of the Andes of north central Ecuador. |

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- ensuring that the use of renewable natural resources is sustainable
- promoting the reduction of pollution and wasteful consumption.

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