

## Project Update: May 2017

As you will see, it was unexpectedly rainy and the fish sampling and exposition was not as effective as we planned, yet it was very gratifying and we think other activities like these should be included in future sampling expeditions for their impact on local communities and especially children.



We have also done our fifth sampling expedition and I was wondering if it would be possible to deliver our final report after the sixth one, which will occur in 2 months (June), when we may have completed 1 year of fish sampling and will have some papers prepared such as the description of one *Moenkhausia* (characidae) species, and ecology study of several others.

Preliminary version of the species sampled in our activities.

Order	Family	Species	Distribution	Endemism	Status
Characiformes	Anostomidae	<i>Leporinus cf. ortomaculatus</i>	Amazon		
Characiformes	Parodontidae	<i>Apareiodon cavalcante</i>	Upper Tocantins	**	
Characiformes	Bryconidae	<i>Acestrocephalus acutus</i>	Amazon		
Characiformes	Characidae	<i>Brycon nattereri</i>	Upper Tocantins	**	VU
Characiformes	Characidae	<i>Astyanax courensis</i>	Upper Tocantins	**	
Characiformes	Characidae	<i>Astyanax elachylepis</i>	Tocantins	*	
Characiformes	Characidae	<i>Bryconops tocantinensis</i>	Tocantins	*	
Characiformes	Characidae	<i>Creagrutus atrisignum</i>	Upper Tocantins	**	
Characiformes	Characidae	<i>Creagrutus saxatilis</i>	Upper Tocantins	**	
Characiformes	Characidae	<i>Creagrutus figueiredoi</i>	Upper Tocantins	**	
Characiformes	Characidae	<i>Jupiaba cf. apenima</i>	Amazon		
Characiformes	Characidae	<i>Jupiaba sp. 2</i>			
Characiformes	Characidae	<i>Knodus sp. 1</i>	ND	***	
Characiformes	Characidae	<i>Knodus sp. 2</i>	ND	***	
Characiformes	Characidae	<i>Knodus sp. 3</i>	ND	***	
Characiformes	Characidae	<i>Moenkhausia aff. aurantia</i>	Upper Tocantins	**	
Characiformes	Characidae	<i>Moenkhausia sp. 2</i>	Upper Tocantins	***	
Characiformes	Crenuchidae	<i>Characidium sp. 1</i>	ND		
Characiformes	Curimatidae	<i>Cyphocharax spilurus</i>	Tocantins	*	
Characiformes	Erythrinidae	<i>Hoplias aff. malabaricus</i>	ND		
Characiformes	Erythrinidae	<i>Hoplias curupira</i>	Tocantins	*	
Characiformes	Hemiodontidae	<i>Hemiodus sp.</i>	ND		
Characiformes	Serrasalminidae	<i>Myleus sp.</i>	ND	***	
Siluriformes	Heptapteridae	<i>Imparfinis sp</i>	ND		
Siluriformes	Heptapteridae	<i>Pimelodella sp. 1</i>	ND		
Siluriformes	Heptapteridae	<i>Phenacorhamdia sp. 1</i>	ND		
Siluriformes	Callichthyidae	<i>Aspidoras cf. albater</i>	Upper Tocantins	**	
Siluriformes	Loricariidae	<i>Hypostomus asperatus</i>	Tocantins	*	
Siluriformes	Loricariidae	<i>Hypostomus sp. 2</i>	ND	***	
Siluriformes	Loricariidae	<i>Hypostomus sp. 3</i>	ND	***	

Siluriformes	Loricariidae	<i>Hypostomus</i> sp. 4	ND	***	
Siluriformes	Loricariidae	<i>Rineloricaria</i> sp.	ND	***	
Siluriformes	Loricariidae	<i>Spatuloricaria</i> sp.	ND	***	
Siluriformes	Loricariidae	<i>Hartia</i> cf. <i>punctata</i>	Tocantins	*	
Siluriformes	Loricariidae	<i>Ancistrus</i> cf. <i>minutus</i>	Upper Tocantins	*	EN
Siluriformes	Loricariidae	<i>Ancistrus</i> cf. <i>aguaboensis</i>	Upper Tocantins	*	EN
Perciformes	Cichlidae	<i>Cichlasoma araguaiense</i>	Tocantins	*	
Perciformes	Cichlidae	<i>Crenicichla</i> sp. 1	ND	*	
Perciformes	Cichlidae	<i>Retroculus acherontos</i>	Upper Tocantins	**	
Gymnotiphorms	Apteronotidae	<i>Apteronotus</i> sp.			
Gymnotiphorms	Gymnotidae	<i>Gymnotus carapo</i>	Basins		
Gymnotiphorms	Sternopygidae	<i>Eigenmannia trilineata</i>	Basins		
	*	Species limited to the Tocantins River Basin			
	**	Species restricted to the upper portion of the Tocantins River Basin			
	***	Species not described but probably endemic and vulnerable to extinction due to its limited geographic range			