

## Evaluation Central America

A total of 114 Cichlid species from Central America have been evaluated in this paper. Round about 75% of them need a further study to determine their actual situation and conservation status.

**Index 0:**

None

**Index 1:**

*Astatheros margaritifer*, *Herichthys molango*, *Paraneotroplus omonti*, *Rocio gemmata*, *Rocio ocotal* and *Tomocichla asraci* are only known from their Type Locality.

**Index 2 – 5:**

This species deserve a detailed study about their actual conservation status.

**Index > 6:**

This species could be considered as „Least Concern“ and assumedly don't need a detailed evaluation; except the species with a high standard deviation value.

**Index:** Arithmetic mean of D-Index and L-Index

**SD:** Standard Deviation of Index

**Dist:** Distribution range in km: Circumference with a maximum of 4.000km

**D-Index:** ( $X^{0,2776}$ ): with an Index range of 1 to 10: 1 means only one single locality known; 10 means a circumference of the distribution range of at least 4000km.

**Loc:** Known localities with a maximum of 50

**L-Index:** ( $X^{0,5885}$ ): with an Index range of 1 to 10: 1 means only one single locality known; 10 means at least 50 localities documented.

**Results**

Index:	Species	in %	Status:	Index:	Species	in %	Status:
Index 0	0	0,00%	DD	Index 6	10	8,77%	LC
Index 1	6	5,26%	CR	Index 7	16	14,04%	LC
Index 2	11	9,65%	EN	Index 8	0	0,00%	LC
Index 3	31	27,19%	VU	Index 9	0	0,00%	LC
Index 4	26	22,81%	NT	Index 10	0	0,00%	LC
Index 5	14	12,28%	NT-LC				



Name	Author	Distribution	Index	SD	Dist.	D-Ind.	Loc.	L-Ind.
<i>Amatitlania altotlava</i>	(Allgayer, 2001)	Atlantic Panama; Río Cañaveral; Río Cricamola	2,41	0,8	210	3,18	3	1,65
<i>Amatitlania kanna</i>	Schmitter-Soto, 2007	From rivers Cañaveral, Cricamola, Sixaola, and other localities in Atlantic Panama	2,68	0,6	240	3,27	5	2,08
<i>Amatitlania myrmae</i>	(Loiselle, 1997)	Atlantic slope, in Costa Rica and Panama, from Estrella River to Cuarumo River	2,08	0,0	30	2,09	5	2,08
<i>Amatitlania nanolutea</i>	(Allgayer, 1994)	Atlantic slope, in the Guarumo River basin, Panama.	2,04	0,7	100	2,71	2	1,37
<i>Amatitlania nigrofasciata</i>	(Günther, 1867)	The range of this species is restricted as follows: Pacific slope, from Río Sucio, El Salvador to Río Suchiate, Guatemala; Atlantic slope, from Río Patuca, Honduras to Río Jutiapa, Guatemala; in neither slope to Panama, Costa Rica or even Nicaragua, as formerly considered. Introduced elsewhere, e.g. in the Río Balsas basin, central Mexico (Contreras-Balderas 1999).	3,44	0,9	850	4,30	8	2,58
<i>Amatitlania sajica</i>	(Bussing, 1974)	Costa Rica.	2,01	0,6	90	2,64	2	1,37
<i>Amatitlania septemfasciata</i>	(Regan, 1908)	Atlantic slope of Costa Rica, from San Juan River drainage to the Banano River	3,87	0,5	290	3,41	25	4,34
<i>Amatitlania siquia</i>	Schmitter-Soto, 2007	Both coasts of Costa Rica (from tributaries to the Golfo de Nicoya on the Pacific coast and Río Parismina on the Atlantic) to Nicaragua (including the Great Lakes and the Mosquitian basins); also north to Atlantic Honduras (Río Yeguaré)	5,37	0,6	1400	4,78	50	5,95
<i>Amphilophus amarillo</i>	Stauffer & McKaye, 2002	Lake Xiloá.	2,72	1,2	7	1,52	20	3,92
<i>Amphilophus astorquii</i>	Stauffer, McCrary & Black, 2008	Laguna Apoyo	1,84	0,0	15	1,80	4	1,88
<i>Amphilophus chancho</i>	Stauffer, McCrary & Black, 2008	Laguna Apoyo	1,84	0,0	15	1,80	4	1,88
<i>Amphilophus citrinellus</i>	(Günther, 1864)	Nicaragua and Costa Rica (San Juan River drainage, including Lakes Nicaragua, Managua, Masaya).	6,25	1,9	880	4,33	100	8,16
<i>Amphilophus flaveolus</i>	Stauffer, McCrary & Black, 2008	Laguna Apoyo	1,40	0,4	15	1,80	1	1,00
<i>Amphilophus globosus</i>	Geiger, McCrary & Stauffer, 2010	Laguna Apoyo	2,86	1,1	15	1,80	20	3,92
<i>Amphilophus hogaboomorum</i>	(Carr & Giovannoli, 1950)	Río Choluteca; Negro (Honduras)	2,32	0,4	110	2,76	4	1,88
<i>Amphilophus istlanus</i>	(Jordan & Snyder, 1899)	Papagayo; Balsas; Coahuayana (Mexico)	5,53	0,4	1900	5,11	50	5,95

<i>Amphilophus labiatus</i>	(Günther, 1864)	Nicaragua, in Lakes Nicaragua and Managua	3,51	0,4	190	3,11	20	3,92
<i>Amphilophus lyonsi</i>	(Gosse, 1966)	Coto; Dupí (Costa Rica; Panama)	2,49	0,8	260	3,33	3	1,65
<i>Amphilophus sagittae</i>	Stauffer & McKaye, 2002	Nicaragua, endemic to Lake Xiloá.	1,89	0,4	7	1,52	6	2,26
<i>Amphilophus superciliosus</i>	Geiger, McCrary & Stauffer, 2010	Laguna Apoyo	2,86	1,1	15	1,80	20	3,92
<i>Amphilophus tolteca</i>	Rechnagel, Kusche, Elmer & Meyer, 2013	Lake Asososca Managua	1,32	0,1	3	1,27	2	1,37
<i>Amphilophus trimaculatus</i>	(Günther, 1867)	Mexico to El Salvador	6,86	1,3	2800	5,56	100	8,16
<i>Amphilophus viridis</i>	Rechnagel, Kusche, Elmer & Meyer, 2013	Lake Xiloá	1,45	0,1	7	1,52	2	1,37
<i>Amphilophus xiloaensis</i>	Stauffer & McKaye, 2002	Nicaragua, endemic to Lake Xiloá	2,31	0,8	7	1,52	12	3,10
<i>Amphilophus zaliosus</i>	(Barlow, 1976)	Laguna Apoyo	2,33	0,5	15	1,80	10	2,86
<i>Andinoacara coeruleopunctatus</i>	(Kner, 1863)	Atlantic slope of Panama, and Pacific slope of Costa Rica (Coto River). Rio Chagre in the Canal Zone in Panama	6,47	1,7	1400	4,78	100	8,16
<i>Archocentrus centrarchus</i>	(Gill, 1877)	Atlantic slope in the Río Chirripó (Río Matina) of Costa Rica to the Río San Juan basin, including Lakes Managua, Nicaragua, Jiloá and Apoyo. Pacific slope, in tributaries of Fonseca Gulf in Honduras and Nicaragua;	5,32	1,1	750	4,18	60	6,47
<i>Astatheros macracanthus</i>	(Günther, 1864)	southern Mexico (to El Salvador)?	6,61	1,6	1800	5,05	100	8,16
<i>Astatheros margaritifer</i>	(Günther, 1862)	Lago Petén Itzá	1,00	0,0	1	1,00	1	1,00
<i>Chiapaheros grammodes</i>	(Taylor & Miller, 1980)	Grijalva River basin from the Grande de Chiapa River drainage in Mexico to Lagartero River in Guatemala.	5,12	1,3	470	3,78	60	6,47
<i>Chortiheros wesseli</i>	(Miller, 1996)	Atlantic slope, in the Papaloteca River basin, Honduras	3,11	0,5	80	2,58	17	3,64
<i>Chuco godmanni</i>	(Günther, 1862)	Polochic River basin; Guatemala	2,74	0,7	290	3,41	5	2,08
<i>Chuco intermedium</i>	(Günther, 1862)	Atlantic slope, in the Grijalva and Usumacinta drainages in Mexico, Guatemala and Belize.	6,25	1,9	880	4,33	100	8,16
<i>Chuco microphthalmus</i>	(Günther, 1862)	Atlantic slope, in the Motagua River basin in Guatemala and Honduras.	3,57	0,1	430	3,71	15	3,44
<i>Cincelichthys bocourti</i>	(Vaillant & Pellegrin, 1902)	Guatemala and Belize	3,13	0,3	120	2,81	15	3,44
<i>Cincelichthys pearsei</i>	(Hubbs, 1936)	southeastern Mexico and northern Guatemala	6,58	1,6	1700	4,99	100	8,16
<i>Cribroheros alfari</i>	(Meek, 1907)	Honduras (Patuca River) to Costa Rica	6,58	1,6	1700	4,99	100	8,16

<i>Cribroheros altifrons</i>	(Kner, 1863)	Costa Rica (Térraba River) to Panama (Chiriqui River).	2,82	0,4	220	3,21	7	2,43
<i>Cribroheros bussingi</i>	(Loiselle, 1997)	Sixaola; Changuinola; Guarumo River (Costa Rica; Panama)	2,70	0,4	200	3,14	6	2,26
<i>Cribroheros diquis</i>	(Bussing, 1974)	SE Costa Rica	3,43	0,0	300	3,43	15	3,44
<i>Cribroheros longimanus</i>	(Günther, 1867)	Honduras (Aguan River) to Nicaragua and Costa Rica (Prinzapolka, San Juan River drainage including Lake Nicaragua), Pacific slope from Guatemala to Costa Rica (Nahualate River to Bebedero River).	6,18	1,2	1700	4,99	80	7,37
<i>Cribroheros rhytisma</i>	(López S., 1983)	Sixaola; (Costa Rica)	1,64	0,3	20	1,91	2	1,37
<i>Cribroheros robertsoni</i>	(Regan, 1905)	Mexico (Coatzacoalcos River) to Honduras	6,86	1,3	2800	5,56	100	8,16
<i>Cribroheros rostratus</i>	(Gill, 1877)	Nicaragua and Costa Rica (San Juan River drainage including Lakes Managua, Nicaragua and Masaya, to Matinaon River).	4,63	0,4	770	4,21	35	5,06
<i>Cryptoheros chetumalensis</i>	Schmitter-Soto, 2007	Belize (Belize River) and the Guatemalan Petén (Río Sarstún) north to Quintana Roo, Mexico (as far north as Laguna Kaná, 19°30'N —ECOCH 1559)	3,10	1,0	700	4,12	5	2,08
<i>Cryptoheros cutteri</i>	(Fowler, 1932)	Type locality: Lancetilla, Honduras.	4,58	0,1	1000	4,45	30	4,71
<i>Cryptoheros spilurus</i>	(Günther, 1862)	Belize to Nicaragua.	2,42	0,2	80	2,58	6	2,26
<i>Darienheros calobrensis</i>	(Meek & Hildebrand, 1913)	Panama (Tuira, Chucunaque and Bayano River basins).	3,99	0,0	590	3,97	21	4,01
<i>Geophagus crassilabris</i>	Steindachner, 1876	Central America: Pacific and Atlantic slopes of central and eastern Panama and S-America (NW) Rio Baudó	4,08	0,5	1200	4,63	16	3,54
<i>Herichthys bartoni</i>	(Bean, 1892)	Atlantic slope, endemic to the upper Verde River and the Laguna de la Media Luna systems of the Panuco River basin, San Luis Potosi, Mexico.	1,51	0,1	10	1,64	2	1,37
<i>Herichthys carpintis</i>	(Jordan & Snyder, 1899)	Atlantic slope, Panuco River drainage, and Soto La Marina River in Mexico	3,63	0,5	730	4,16	12	3,10
<i>Herichthys cyanoguttatus</i>	Baird & Girard, 1854	originally restricted to the lower Rio Grande drainage in Texas, USA and south to northeastern Mexico. Introduced on Edwards Plateau of central Texas and central peninsular Florida, USA, and Verde River basin (La Media Luna region), Mexico	6,58	1,6	1700	4,99	100	8,16
<i>Herichthys deppii</i>	(Heckel, 1840)	Atlantic slope, in the Nautla and Misantla River basins, Mexico ("Cichlasoma" geddesi: Southern Mexico.))	2,29	0,4	100	2,71	4	1,88
<i>Herichthys labridens</i>	(Pellegri, 1903)	Atlantic slope, in the Panuco River basin, Mexico	2,81	0,0	110	2,76	10	2,86
<i>Herichthys minckleyi</i>	(Kornfield & Taylor, 1983)	Atlantic slope, endemic to Cuatro Ciénegas, Mexico	2,93	0,5	60	2,42	15	3,44
<i>Herichthys molango</i>	De la Maza-Benignos & Lozano-Vilano, 2013	Laguna Azteca, Hidalgo, México	1,00	0,0	1	1,00	1	1,00
<i>Herichthys pame</i>	De la Maza-Benignos	Rio Tamasopo in San Luis Potosi	2,12	0,7	130	2,86	2	1,37

	& Lozano-Vilano, 2013							
<i>Herichthys pantostictus</i>	(Taylor & Miller, 1983)	Atlantic slope of northern Mexico, in the Panuco River drainage from the Sabinas River to the coastal Laguna Tamiahua. ((H. pratinus: Rio Salto in San Luis Potosi))	3,67	0,6	800	4,24	12	3,10
<i>Herichthys steindachneri</i>	(Jordan & Snyder, 1899)	Atlantic slope of northern Mexico. Endemic to the Tamasopo, Gallinas and Ojo Frio rivers in the Panuco River basin.	2,30	0,7	150	2,95	3	1,65
<i>Herichthys tamasopoensis</i>	Artigas Azas, 1993	Atlantic slope, in the Tamasopo River of Panuco River basin, Mexico	2,65	0,4	170	3,03	6	2,26
<i>Herichthys tepehua</i>	De la Maza-Benignos, Ornelas-García, Lozano-Vilano, García-Ramírez & Doadrio, 2014	Pantepec, Cazones, Tenixtepec, Tecolutla, and Solteros rivers, in Veracruz, Mexico	2,90	0,5	280	3,38	7	2,43
<i>Herotilapia multispinosa</i>	(Günther, 1867)	Atlantic slope, from the Patuca River (Honduras) to the Matina River (Costa Rica); Pacific slope, from the Guasaule River (Nicaragua) to the Tempisque and Bebedero Rivers (Costa Rica).	5,44	0,5	1600	4,93	50	5,95
<i>Hypsophrys nicaraguensis</i>	(Günther, 1864)	San Juan drainage, including Lake Nicaragua, in Costa Rica and Nicaragua, to the Matina River drainage in Costa Rica.	5,06	0,9	740	4,17	50	5,95
<i>Isthmoheros tuyrensis</i>	Meek & Hildebrand, 1913	Pacific slope of Panama (Tuira and Bayano River basins).	2,99	0,7	430	3,71	6	2,26
<i>Kihnichthys ufermanni</i>	(Allgayer, 2002)	Atlantic slope in the Usumacinta River basin in Guatemala and Mexico	3,85	0,9	160	2,99	30	4,71
<i>Maskaheros argenteus</i>	(Allgayer, 1991)	Atlantic slope, in the Usumacinta River basin.	1,99	0,3	50	2,33	3	1,65
<i>Maskaheros regani</i>	(Miller, 1974)	Atlantic slope, in the Coatzacoalcos River basin.	2,60	0,7	260	3,33	4	1,88
<i>Mayaheros beani</i>	(Jordan, 1889)	Evora; Santiago (Mexico)	6,64	1,5	1900	5,11	100	8,16
<i>Mayaheros urophthalmus</i>	(Günther, 1862)	Mexico to Nicaragua. (("Cichlasoma" aguadae: Atlantic slope, Tuxpeña, Mexico. // "Cichlasoma" alborum: Usumacinta River, Mexico // "Cichlasoma" amarum: Caribbean coast, Isla Mujeres, off the eastern coast of Yucatán Peninsula. // "C." cienagae: Progreso, Yucatán, Mexico. // "C" conchitae: Conchita Cenote, Merida, Yucatán, Mexico. // "C" ericymba: San Bulha cenote, Mexico // "C." mayorum: Xtolok Cenote, Chichen Itza, Yucatán, Mexico. // "C" stenozonum: Probably Atlantic slope of southern Mexico??. // "C" zebra: Xlaka Cenote, Merida, Yucatán, Mexico. // "C" troschellii: Probably Atlantic slope of southern Mexico.))	6,86	1,3	2800	5,56	100	8,16
<i>Nandopsis haitiensis</i>	(Tee-Van, 1935)	Hispaniola (Haiti and Dominican Republic) // ((Nandopsis vombergi: Eastern	4,51	0,2	860	4,31	30	4,71



		Hispaniola, in the Yaqui River basin.))							
<i>Nandopsis ramsdeni</i>	(Fowler, 1938)	eastern Cuba	2,45	0,2	90	2,64	6	2,26	
<i>Nandopsis tetracanthus</i>	(Valenciennes, 1831)	Bayano (Cuba)	4,91	0,2	1900	5,11	30	4,71	
<i>Neotroplus nematopus</i>	Günther, 1867	Atlantic slope of Nicaragua and western Costa Rica, in the San Juan River drainage, including Lake Nicaragua and Lake Managua.	4,00	0,1	670	4,08	20	3,92	
<i>Panamius panamensis</i>	(Meek & Hildebrand, 1913)	Atlantic slope of Panama (Canal Zone, including Chagres River).	3,06	0,8	520	3,86	6	2,26	
<i>Parachromis dovii</i>	(Günther, 1864)	Atlantic slope, from the Aguan River (Honduras) to the Moin River (Costa Rica); Pacific slope from the Yeguaré River (Honduras) to the Bebedero River (Costa Rica).	4,88	0,2	1800	5,05	30	4,71	
<i>Parachromis friedrichsthalii</i>	(Heckel, 1840)	Atlantic slope, in Mexico (Usumacinta River), Belize, Honduras and Guatemala.	3,71	0,2	330	3,50	20	3,92	
<i>Parachromis loisellei</i>	(Bussing, 1989)	Atlantic slope from the Ulua River (Honduras) to the Cricamola River (Panama); Pacific slope, in the Tamarindo River (Nicaragua).	4,04	0,1	730	4,16	20	3,92	
<i>Parachromis managuensis</i>	(Günther, 1867)	Atlantic slope from the Ulua River (Honduras) to the Matina River (Costa Rica).	6,79	1,4	2500	5,42	100	8,16	
<i>Parachromis motaguensis</i>	(Günther, 1867)	Atlantic slope of Guatemala and Honduras in the Motagua River basin; Pacific slope from Naranjo River (Guatemala) to Choluteca River (Honduras). Countries: El Salvador, Guatemala, Honduras	5,37	0,6	1400	4,78	50	5,95	
<i>Paraneotroplus bulleri</i>	Regan, 1905	Coatzacoalcos River drainage (Mexico);	2,47	0,4	130	2,86	5	2,08	
<i>Paraneotroplus gibbiceps</i>	(Steindachner, 1864)	Usumacinta (Mexico)	1,78	0,1	20	1,91	3	1,65	
<i>Paraneotroplus nebuliferus</i>	(Günther, 1860)	Atlantic slope, in the Papaloapán River basin, Mexico	2,66	0,8	300	3,43	4	1,88	
<i>Paraneotroplus omonti</i>	Allgayer, 1988	Atlantic slope, in the Usumacinta River basin, Mexico	1,00	0,0	1	1,00	1	1,00	
<i>Petenia splendida</i>	Günther, 1862	Atlantic slope of Grijalva River to Usumacinta River (Mexico), Usumacinta River (Guatemala), and Belize.	6,72	1,4	2200	5,28	100	8,16	
<i>Rheoheros coeruleus</i>	Stawikowski & Werner, 1987	Atlantic slope, upper Tulija River in the Usumacinta River drainage, Mexico	1,97	0,6	80	2,58	2	1,37	
<i>Rheoheros lentiginosus</i>	(Steindachner, 1864)	Atlantic slope, in the Grijalva and Usumacinta River drainages in Mexico and Guatemala.	4,10	0,2	830	4,27	20	3,92	
<i>Rocio gemmata</i>	Contreras-Balderas & Schmitter-Soto, 2007	Endemic to cenotes and small inland lakes in northern Quintana Roo, eastern Yucatan Peninsula, Mexico	1,00	0,0	1	1,00	1	1,00	
<i>Rocio ocotal</i>	Schmitter-Soto, 2007	Probably endemic to Laguna Ocotal, a rather isolated, highland water body in the Lacantún-Usumacinta drainage, Chiapas, Mexico	1,00	0,0	1	1,00	1	1,00	

<i>Rocio octofasciata</i>	(Regan, 1903)	Papaloapán River (southern Mexico) to Ulua River (Honduras)	3,26	2,3	2700	5,51	1	1,00
<i>Rocio spinosissima</i>	(Vaillant & Pellegrin, 1902)	Lake Izabal basin Guatemala	2,46	0,6	170	3,03	4	1,88
<i>Talamancaheros sieboldii</i>	(Kner, 1863)	Pacific slope, from Esparza (Costa Rica) to Río Sta María (Panama).	3,76	0,3	670	4,08	15	3,44
<i>Theraps irregularis</i>	Günther, 1862	Atlantic slope of Mexico and Guatemala (Usumacinta, Sarstun, and Dulce River basins).	3,80	0,4	740	4,17	15	3,44
<i>Thorichthys affinis</i>	(Günther, 1862)	upper Usumacinta River basin in Guatemala, and Belize.	3,48	0,0	340	3,52	15	3,44
<i>Thorichthys aureus</i>	(Günther, 1862)	Golden Creek (Belize) to Motagua River basin (Honduras).	4,98	1,0	620	4,01	50	5,95
<i>Thorichthys callolepis</i>	(Regan, 1904)	Atlantic slope, in the Coatzacoalcos River drainage, Mexico	4,31	0,4	1300	4,71	20	3,92
<i>Thorichthys helleri</i>	(Steindachner, 1864)	from the Coatzacoalcos River to the Usumacinta River drainage.	5,50	0,4	1800	5,05	50	5,95
<i>Thorichthys maculipinnis</i>	Steindachner, 1864	Mejico im Xamapa-Flusse	4,99	1,0	630	4,03	50	5,95
<i>Thorichthys meeki</i>	Brind, 1918	Atlantic slope, in the Usumacinta River drainage, the Belize River drainage, and near Progreso, in Mexico, Guatemala and Belize.	6,61	1,6	1800	5,05	100	8,16
<i>Thorichthys panchovillai</i>	Del Moral-Flores, López-Segovia & Hernández-Arellano, 2017	Coatzacoalcos	2,42	0,3	110	2,76	5	2,08
<i>Thorichthys pasionis</i>	(Rivas, 1962)	Atlantic slope, in the Usumacinta River drainage in Mexico and Guatemala	5,20	0,8	1000	4,45	50	5,95
<i>Thorichthys socolofi</i>	(Miller & Taylor, 1984)	Atlantic slope, in the Grijalva River basin, Mexico	3,34	0,5	500	3,83	10	2,86
<i>Tomocichla asfraci</i>	Allgayer, 2002	Atlantic slope, Laguna de Chiriqui basin in the Guarumo River, Panama	1,00	0,0	1	1,00	1	1,00
<i>Tomocichla tuba</i>	(Meek, 1912)	Atlantic slope, from the Escondido River (Nicaragua) to the Cricamola River (Panama).	3,12	0,5	400	3,65	8	2,58
<i>Trichromis salvini</i>	(Günther, 1862)	southern Mexico to Guatemala and Belize	6,82	1,3	2600	5,47	100	8,16
<i>Vieja bifasciata</i>	(Steindachner, 1864)	Atlantic slope, in the Grijalva and Usumacinta River basins, Mexico and Guatemala.	4,23	0,3	1100	4,54	20	3,92
<i>Vieja breidohri</i>	(Werner & Stawikowski, 1987)	Grijalva River basin.	2,69	0,6	250	3,30	5	2,08
<i>Vieja fenestrata</i>	(Günther, 1860)	Atlantic slope, from the Papaloapán River to the Chachalacas River basin.	3,90	0,0	530	3,88	20	3,92
<i>Vieja guttulata</i>	(Günther, 1864)	Pacific slope of Guatemala.	3,28	0,6	500	3,83	9	2,72
<i>Vieja hartwegi</i>	(Taylor & Miller, 1980)	Atlantic slope, in the Grijalva River basin, Mexico	3,22	0,5	440	3,73	9	2,72

<i>Vieja heterospila</i>	(Hubbs, 1936)	Atlantic slope, in the Candelaria and Usumacinta Rivers, Mexico and Guatemala.	4,17	0,3	970	4,42	20	3,92
<i>Vieja maculicauda</i>	(Regan, 1905)	Atlantic slope, from the Usumacinta River drainage in Guatemala to the Chagres River in Panama.	4,94	0,2	2000	5,17	30	4,71
<i>Vieja melanura</i>	(Günther, 1862)	Atlantic slope, in the De la Pasión River and Lake Petén basins. // ((V. synspila: Atlantic slope, in the Usumacinta River drainage in Mexico, Guatemala and Belize.))	5,12	0,3	1500	4,86	40	5,38
<i>Vieja zonata</i>	(Meek, 1905)	Tehuantepec River basin (Mex)	3,17	0,9	670	4,08	6	2,26
<i>Wajpamheros nourissati</i>	(Allgayer, 1989)	Mexico and Guatemala (Usumacinta River basin).	3,76	0,4	760	4,19	14	3,33

**References (i.a.):**

**FishBase: Froese, R.; Pauly, D. (eds)** (2017): "FishBase" - [www.fishbase.org](http://www.fishbase.org),

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