A reevaluation of the North and Central American *Arctodiaptomus dorsalis* (Marsh, 1907) (Calanoida, Diaptomidae), with reallocation to the genus *Mastigodiaptomus* and description of a new species

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Supplementary file 2. Biological material revised in this study, in the Colección de Zooplancton (ECO-CH-Z) and Invertebrate Zoology Collection (USNM). * = syntypes. Samples labeled as *Arctodiaptomus dorsalis* (Marsh, 1907) and *Diaptomus dorsalis* Marsh, 1907 in the table, correspond to *Mastigodiaptomus dorsalis* (Marsh, 1907) as proposed in this study.

Arctodiaptomus dorsalis (Marsh, 1907) *	USNM 309758	USA	Lake Slidell, Louisiana	1 ♀, 1 ♂	24 Oct. 1903	30.275	-89.783
Diaptomus dorsalis Marsh, 1907 *	USNM 296403	USA	Guzman, Louisiana	7 ♂♂	-	30.033	-90.053
Arctodiaptomus dorsalis (Marsh, 1907)	USNM 122758	USA	Santa Rosa Island, Pensacola, Florida	4 ♀♀, 5 ♂♂	15 Apr. 1958	30.32	-87.23
	USNM 204671			2 ♀♀			
Arctodiaptomus dorsalis (Marsh, 1907)	USNM 309760	USA	Lake George, Florida	2 ♀♀, 6 ♂♂	21 Mar. 1897	29.214	-90.053
Arctodiaptomus dorsalis (Marsh, 1907)	ECO-CH-Z-10605	Mexico	Lago de Catemaco, Veracruz	3 ♀♀, 20 ♂♂	14 Oct. 1998	18.372	-95.115
	ECO-CH-Z-10606			5 ♀♀			
	ECO-CH-Z-10607			4 ♂♂			
Arctodiaptomus dorsalis (Marsh, 1907)	ECO-CH-Z-10530	Mexico	Km 50 to Tampico, Veracruz	5 ♀♀, 7 ♂♂	10 Sep. 2005	21.249	-98.159
	ECO-CH-Z-10531			5 ♀♀			
	ECO-CH-Z-10532			2 ♀♀			
	ECO-CH-Z-10533			3 ♂♂			
	ECO-CH-Z-10534			2 ♂♂			
Arctodiaptomus dorsalis (Marsh, 1907)	ECO-CH-Z-10631	Mexico	Hwy. L. Cardenas, Guerrero	4 ♀♀	29 Sep. 2004	17.987	-102.013
	ECO-CH-Z-10632			5 ♂♂			
	ECO-CH-Z-10633			4 ♀♀			
	ECO-CH-Z-10634			5 ♀♀			
	ECO-CH-Z-10635			30 ♀♀, 10 ♂♂			
Arctodiaptomus dorsalis (Marsh, 1907)	ECO-CH-Z-10597	Mexico	San Jose Dam, San Luis Potosí	30 ♀♀, 30 ♂♂	8 Jun. 2021	22.151	-101.055
	ECO-CH-Z-10598			2 ♀♀			
	ECO-CH-Z-10599			2 ♀♀			
	ECO-CH-Z-10600			2 ♀♀			
	ECO-CH-Z-10601			4 ♀♀			
	ECO-CH-Z-10602			4 ♀♀			
	ECO-CH-Z-10603			5 ♂♂			
	ECO-CH-Z-10604			4 ♂♂			
	ECO-CH-Z-10628			4 ♂♂			
	ECO-CH-Z-10629			5 ♀♀			
	ECO-CH-Z-10630			4 ♀♀			
	ECO-CH-Z-11618			1 ♀, 1 ♂			

Arctodiaptomus dorsalis (Marsh, 1907)	ECO-CH-Z-10649	Mexico	Laguna Vernet, Tabasco	20 ♀♀, 36 ♂♂	25 Jun. 2011	17.877	-92.55
Arctodiaptomus dorsalis (Marsh, 1907)	ECO-CH-Z-10650	Mexico	Pond 2 Highway Jonuta-Escarcega, Campeche	30 ♀♀, 46 ♂♂	26 Jun. 2011	18.063	-92.017
Arctodiaptomus dorsalis (Marsh, 1907)	ECO-CH-Z-10648	Mexico	Abalá, Yucatán	7 ♀♀, 3 ♂♂	4 Aug. 2008	20.645	-89.686
Arctodiaptomus dorsalis (Marsh, 1907)	ECO-CH-Z-10520	Mexico	Km 170, Quintana Roo	5 ♀♀, 15 ♂♂	2 Mar. 2001	19.873	-87.861
	ECO-CH-Z-10521			5 ♀♀			
	ECO-CH-Z-10522			2 ♀♀			
	ECO-CH-Z-10523			2 ♀♀			
	ECO-CH-Z-10524			5 ♂♂			
	ECO-CH-Z-10525			4 ♂♂			
	ECO-CH-Z-10526			2 ♂♂			
	ECO-CH-Z-10654			4 ♀♀			
	ECO-CH-Z-10655			4 ♀♀			
	ECO-CH-Z-10656			4 ♀♀			
	ECO-CH-Z-10657			2 ♂♂			
	ECO-CH-Z-10658			2 ♂♂			
Arctodiaptomus dorsalis (Marsh, 1907)	ECO-CH-Z-10651	Mexico	Cocalitos Sinkhole, Quintana Roo	30 ♀♀, 30 ♂♂	28 Jun. 2015	18.65	-88.409
	ECO-CH-Z-11619			1 ♀			
Arctodiaptomus dorsalis (Marsh, 1907)	ECO-CH-Z-10535	Mexico	Cenote Azul, Quintana Roo	10 ♀♀, 11 ♂♂	29/05/1997	18.646	-88.412
	ECO-CH-Z-5313			1 ♀			
	ECO-CH-Z-5314			1 ♂	25 Aug. 2008		
	ECO-CH-Z-5315			1 ♂			
Arctodiaptomus dorsalis (Marsh, 1907)	ECO-CH-Z-10652	Mexico	Laguna Puente Milagros, Quintana Roo	2 ♀♀, 2 ♂♂	14 Sep. 2011	18.503	-88.451
	ECO-CH-Z-10653			2 ♀♀			
Arctodiaptomus dorsalis (Marsh, 1907)	ECO-CH-Z-11620	Mexico	Laguna Negra, Quintana Roo	15 ♀♀	7 Sep. 2011	18.5	-88.394
Arctodiaptomus dorsalis (Marsh, 1907)	ECO-CH-Z-10665	Guatemala	Peten Lake, Petén	1 ♂	4 Jul. 1999	16.981	-89.712
	ECO-CH-Z-10666			2 ♀♀, 2 ♂♂			
	ECO-CH-Z-10667			2 ♂♂			
	ECO-CH-Z-10668			3 ♀♀			
	ECO-CH-Z-10669			1 ♀			
Arctodiaptomus dorsalis (Marsh, 1907)	ECO-CH-Z-10527	Guatemala	Lago Amatitlán, Amatitlán	2 ♂♂	5 Jun. 2017	14.131	-90.541
	ECO-CH-Z-10528			1 ♀			
	ECO-CH-Z-10529			1 ♀			
	ECO-CH-Z-10659			1 ♀			
	ECO-CH-Z-10660			4 ♀♀			
	ECO-CH-Z-10661			4 ♀♀			
	ECO-CH-Z-10662			2 ♂♂			
	ECO-CH-Z-10663			2 ♂♂			

	ECO-CH-Z-10664			1 ♂			
Arctodiaptomus dorsalis (Marsh, 1907)	USNM 243712	Nicaragua	Lake Managua, Managua	5 ♀♀, 2 ♂♂	23 Mar. 1995	12.163	-86.323
Arctodiaptomus dorsalis (Marsh, 1907)	USNM 243704	Nicaragua	Lake Masaya, Managua	1 ♂	23 Mar. 1991	11.959	-86.119
Arctodiaptomus dorsalis (Marsh, 1907)	USNM 243719	Nicaragua	Lake Cociboca, Managua	2 ♀♀, 1 ♂	13 Jul. 1997	11.12	-85.87
Mastigodiaptomus cucapa sp. nov.	ECO-CH-Z-10636	Mexico	Mocuzary, Sonora	1 ♀	30/05/2006	27.231	-109.079
	ECO-CH-Z-10640			1 ♂			
	ECO-CH-Z-10642			20 ♀♀, 19 ♂♂			
Arctodiaptomus dorsalis (Marsh, 1907)	ECO-CH-Z-10536	Mexico	La Palma dam, Baja California sur	2 ♂♂	26 Apr. 2014	23.226	-109.794
	ECO-CH-Z-10537			4 ♀♀			
	ECO-CH-Z-10538			6 ♀♀, 1 ♂			
	ECO-CH-Z-10643			4 ♂♂			
	ECO-CH-Z-10644			4 ♀♀			
	ECO-CH-Z-10645			4 ♀♀			
	ECO-CH-Z-10646			2 ♀♀			
	ECO-CH-Z-10647			4 ♀♀			