

Supplemental Table. Known anchialine fauna of the Turks and Caicos Islands. Details for each species includes year it was first collected, habitat and its classification as stygobitic or endemic. Additional information is provided for each species, including affinities, congeners and the localities for which it is known among the Turks and Caicos. References for each species are provided. Plus (+) signs indicates presence or collection.

GROUP SPECIES	STYGOBITIC	ENDEMIC	YEAR DISCOVERED	CAVES III 2019	HABITAT	AFFINITIES		STYGOBITIC CONGENERS					CAVE LOCALITIES								References	
						Species in genus	Cave exclusive in genus	Caribbean	Atlantic	Mediterranean	Pacific	Indian	Providenciales					North Caicos	Middle Caicos	South Caicos		
													Airport Cave	The Hole	Snake Cave	Old Blue Hill	wells			ponds		Cottage Pond
<b>ANNELIDA</b>																						
Polynoidae	<i>Pelagomacellicephala iliffei</i>	yes	no	1985	+	water column	1	1	+	+											Bowman et al., 1984; Fosshagen & Iliffe, 2007; Kornicker et al., 2008; Pettibone, 1985; Gonzalez et al., 2017	
Nerillidae	<i>Speleonerilla</i> sp.	yes	yes	2019	+	water column	4	4	+	+											NEW	
Nerillidae	<i>Mesonerilla</i> sp.	yes	yes	2019	+	water column	13	2	+	+	+	+									NEW	
<b>MOLLUSCA</b>																						
Littorinidae	<i>Tectarius antonii</i>	no	no	1846		benthic	11	0	+												Stock & Vermeulen, 1982	
Cochliopidae	<i>Heleobia</i> sp.	no	no	1982		benthic	45	1	+	+	+	+									Stock & Vermeulen, 1982	
Ellobiidae	<i>Melampus minusculus</i>	no	no	1982		benthic	41	0	+												Stock & Vermeulen, 1982	
Truncatellidae	<i>Truncatella (Caribbaensis) pulchella</i>	no	no	1839		benthic	24	0	+												Stock & Vermeulen, 1982	
<b>CRUSTACEA</b>																						
<b>Copepoda: Cyclopoida</b>																						
Cyclopidae	<i>Apocyclops distans</i>	no	no	1956		water column	11	0	+	+	+	+	+								Yager & Schram, 1986	
Cyclopidae	<i>Macrocyclops albidus albidus</i>	no	no	1820		water column	10	0	+	+	+	+									Pesce, 1985	
Cyclopidae	<i>Mesocyclops aspericornis</i>	no	no	1906		water column	78	6		+	+									+	Pesce, 1985	
Oithonidae	unknown	unk	unk	1983		water column	?	?	?	?	?	?								+	Koenemann et al., 2004	
<b>Copepoda: Calanoida</b>																						
Epacteriscidae	<i>Azygonectes plumosus</i>	yes	yes	2007		water column	2	2	+												Fosshagen & Iliffe, 2007; Kornicker et al., 2008	
Epacteriscidae	<i>Bofuriella spinosa</i>	yes	yes	2007		water column	3	3	+												Fosshagen & Iliffe, 2007; Kornicker et al., 2008	
Epacteriscidae	<i>Caiconectes antiquus</i>	yes	yes	2007		water column	1	1	+												Fosshagen & Iliffe, 2007; Kornicker et al., 2008	
Epacteriscidae	<i>Erebonectoides macrochaetus</i>	yes	yes	1994		water column	1	1	+												Fosshagen & Iliffe, 1994, 2007; Kornicker et al., 2008	
Fosshageniidae	<i>Fosshagenia ferrarii</i>	yes	yes	1996		water column	2	2	+												Suarez-Morales & Iliffe, 1996; Fosshagen & Iliffe, 2007; Fosshagen & Iliffe, 2004b	
Diaptomidae	<i>Mastigodiatomus nesus</i>	no	no	1986		water column	14	0	+					+						+	+	Bowman et al., 1986; Kornicker et al., 2008; Fosshagen & Iliffe, 2007
Pseudodiaptomidae	unknown	unk	unk	1983		water column	?	?	?	?	?	?								+		Koenemann et al., 2004
Ridgewayiidae	unknown	unk	unk	1983		water column	?	?	?	?	?	?								+		Koenemann et al., 2004; Fosshagen & Iliffe, 2007; Kornicker et al., 2008
<b>Amphipoda</b>																						
Hadziidae	<i>Bahadzia stocki</i>	yes	yes	1985	+	water column	11	11	+											+		Holsinger & Yager, 1985; Fosshagen & Iliffe, 1994; Bowman et al., 1984 (as Hadziidae)
Pardaliscidae	<i>Speleonicippe provo</i>	yes	no	1982	+	water column	2	2	+	+										+	+	Bowman et al., 1984; Fosshagen & Iliffe, 1994; Pettibone, 1985; Yager & Schram, 1986; Stock & Vermeulen, 1982
<b>Isopoda</b>																						
Cirolanidae	<i>Bahalana caicosana</i>	yes	yes	2003	+	water column	6	6	+											+	+	Botosaneanu & Iliffe, 2003a; Fosshagen & Iliffe, 2007; Kornicker et al., 2008
<b>Leptostraca</b>																						
Nebaliidae	<i>Speonebalia cannoni</i>	yes	yes	1985	+	water column	1	1	+											+		Bowman et al., 1985; Kornicker et al., 2008; Yager & Schram, 1986; Fosshagen & Iliffe, 1994
<b>Decapoda</b>																						
Agostocaridiidae	<i>Agostocaris williamsi</i>	yes	no	1986	+	water column	4	4	+											+		Hart & Manning, 1986; Botosaneanu & Iliffe, 2003a; Fosshagen & Iliffe, 2007; Kornicker et al., 2008
Barbouriidae	<i>Barbouria cubensis</i>	yes	no	1872	+	water column	2	2	+											+		Bowman et al., 1984; Fosshagen & Iliffe, 1994, 2007; Kornicker et al., 2008; Pettibone, 1985; Buden & Felder, 1977
Atyidae	<i>Typhlatya garciai</i>	yes	no	1942	+	water column	17	17	+	+	+									+		Bowman et al., 1984; Fosshagen & Iliffe, 1994; Pettibone, 1985; Buden & Felder, 1977; Yager & Schram, 1986; Hunter et al., 2007
<b>Ostracoda: Halocyprida</b>																						
Deeveyidae	<i>Deeveya spiralis</i>	yes	no	1985	+	water column	7	7	+											+	+	Kornicker & Iliffe, 1989a; Kornicker et al., 1990, 2008; Kornicker & Palmer, 1987; Fosshagen & Iliffe, 1994
<b>Ostracoda: Podocopida</b>																						
Cypridae	<i>Heterocypris punctata</i>	no	no	1983		water column	24	0	+	+	+	+	+								+	Broodbakker, 1983a
Cypridae	<i>Strandesia longula</i>	no	no	1984		water column	34	0	+	+	+	+									+	Broodbakker, 1984a
<b>Remipedia</b>																						
Cryptocorynecidae	<i>Kaloketos pilosus</i>	yes	yes	2004	+	water column	1	1	+											+		Fosshagen & Iliffe, 2007; Kornicker et al., 2008; Koenemann et al., 2007b; Koenemann et al., 2004
Godzilliidae	<i>Godzillius robustus</i>	yes	no	1986	+	water column	2	2	+												+	Botosaneanu & Iliffe, 2003a; Fosshagen & Iliffe, 2007; Kornicker et al., 2008; Schram et al., 1986
Speleonectidae	<i>Lasionectes entrichoma</i>	yes	no	1986	+	water column	1	1	+											+		Botosaneanu & Iliffe, 2003a; Fosshagen & Iliffe, 2007; Kornicker et al., 2008; Schram et al., 1986; Yager & Schram, 1986
Micropacteridae	<i>Micropacter yagerae</i>	yes	yes	2007	+	water column	1	1	+											+		Koenemann et al., 2007a
Xibalbanidae	unknown	yes	yes	2019	+	water column	?	?	?	?	?	?									+	
<b>Stygiomysida</b>																						
Stygiomysidae	<i>Stygiomysis clarkei</i>	yes	no	1984	+	water column	7	7	+											+		Bowman et al., 1984; Fosshagen & Iliffe, 1994, 2007; Kornicker et al., 2008; Pettibone, 1985;
<b>Total</b>		22	13																			