

A Checklist of the Freshwater Macroinvertebrates of Belize
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June 2014: *Ulmeritoides* and *Latineosus* distribution extended, Siphonuridae and *Hydrosmilodon* added.

November 2014: *Cloeodes*, *Guajirolus*, *Hagenulopsis*, Decapoda and Mollusca added. Hemiptera and Diptera updated.

May 2015: *Ambrysus cayo* added. *Bidessonotus pollostus* added. *Bidessonotus vicinus* distribution added.

November 2015 *Ambrysus maya*, *Ambrysus circumcinctus*, *Limnocoris insularis*, *Laccophilus oscillator laevipennis*, *Laccophilus proximus*, *Anopheles albimanus* and *Chagasia bathana* added. Distribution of *Heterelmis*, *Hexacylloepus* and *Microcyllloepus* extended.

August 2016 *Oiovelia johnpolhemi*, *Veloidea reposita*, *Rhagovelia tantilla*, *R. cuspidis*, *Limnogonus recens* and *Erythrodiplax ochracea* added. Range of *Anax amazili* extended.

April 2018 *Laccophilus oscillator laevipennis* and *L. proximus* range extended. *Laccophilus duplex*, *L. fasciatus fasciatus*, *L. gentilis suavis*, *L. ovatus zapotecus*, *L. spangleri*, *Laccominus pumilio* and *Copelatus yaguarete* added. *Suphisellus lineatus*, *S. neglectus* and *S. varians* range extended. *Hydrocanthus dibilis*, *H. marmoratus*, *Mesonoterus laevicollis*, *Notomicrus sharpi*, *Suphisellus insulari* and *S. nigrinis* added.

June 2018 *Ambrysus baeus*, *A. melanopterus*, *A. pulchellus*, *Pelocoris biimpressus* and *P. femoratus* added. *A. circumcinctus*, *Cryphocricos* and *Limnocoris insularis* range extended.

April 2020 *Hydrodytes inaciculatus*, *H. opalinus* and *Parygrus maya* added.

This document reflects a consolidation of peer-reviewed literature and other records about the macroinvertebrate fauna present in streams and other freshwaters in mainland Belize, Central America. Records not confirmed in published literature or museum databases have been provided at family level only where they expand distributional information, except those collected as part of my own research. These are provided at genus level where possible and listed in grey font unless confirmed by taxonomic experts (in which case this is indicated in a footnote).

This document should not be considered an exhaustive review of the literature, but an evolving resource. For example, it does not yet include all Diptera and non-insect families for which records exist for Belize. Updates will be made as new information is found, and as the identity of retained specimens is resolved to finer taxonomic resolution and/or confirmed. This document is not a peer-reviewed publication and should not be cited as such.

Distributional abbreviations describe the administrative Districts of Belize, from north to south: CO = Corozal, OW = Orange Walk, BZ= Belize, CY = Cayo, ST = Stann Creek, TO = Toledo.

Taxon		References	Belize Distribution
Ephemeroptera			
Baetidae		(1,2)	CY,TO
<i>Americabaetis</i>			
<i>pleturus</i>	Lugo-Ortiz & McCafferty, 1994	(3)	
<i>Baetodes</i>		(2)	TO
<i>fuscipes</i>	Cohen & Allen, 1972	(3)	CY
<i>tritus</i>	Cohen & Allen, 1972	(3,4)	
<i>Callibaetis</i>			
<i>floridanus</i>	Banks, 1900	(3,5)	CY
<i>punctilusus</i>	McCafferty & Provonsha, 1993	(3)	CY
<i>Camelobaetidius</i>		(2)	TO
<i>arriaga</i>	Traver & Edmunds, 1968	(3)	
<i>kondratieffi</i>	Lugo-Ortiz & McCafferty, 1995	(3,4)	CY
<i>Cloeodes</i>		(2)	TO
<i>Fallceon</i>			
<i>quilleri</i>	Dodds, 1923	(3,5)	CY
<i>segeae</i>	McCafferty, 2008	(3,5,6)	CY
<i>Guajirolus</i>		(2)	TO
<i>Paracloeodes</i>			
<i>minutus</i>	Daggy, 1945	(3,5)	CY
Caenidae		(1,2)	CY,TO
<i>Caenis</i>		(2)	TO
<i>Latineosus</i>		(2)	TO
<i>cayo</i>	Sun & McCafferty, 2008	(3,7)	CY,
Euthyplocidae		(1,2)	CY,TO
<i>Euthyplocia</i>		(2)	TO
<i>hecuba</i>	Hagen, 1861	(3,4)	CY
Heptageniidae		(1,2)	CY,TO
<i>Epeorus</i>		(2)	CY ¹ ,TO
<i>packeri</i>	Allen & Cohen, 1977	(3,4)	CY
<i>Maccaffertium</i>		(2)	TO
<i>mexicanum mexicanum</i>	Ulmer, 1920	(3)	
Isonychiidae		(1,2)	CY, TO
<i>Isonychia</i>		(2)	TO
<i>sicca</i>	Walsh, 1862	(3,4)	CY
Leptohiphidae		(1,2)	CY, TO
<i>Ableptemetes</i>			
<i>dicinctus</i>	Allen & Brusca, 1973	(3,5)	ST
<i>Asioplax</i>		(2)	TO
<i>Leptohyphes</i>		(2)	TO
<i>apache</i>	Allen, 1967	(3)	
<i>Tricorythodes</i>		(2)	TO
<i>Vacupernius</i>		(2)	TO
<i>packeri</i>	Allen, 1967	(3,8,9)	ST,TO
Leptophlebiidae		(1,2)	CY, TO
<i>Choroerpes</i>		(2)	TO
<i>Farrodes</i>		(2)	TO
<i>texanus</i>	Davis, 1987	(3)	
<i>Hagenulopsis</i>		(2)	TO
<i>Hydrosmilodon</i>		(2)	CY ¹ ,TO
<i>Thraulodes</i>		(2)	TO
<i>packeri</i>	Traver & Edmunds, 1967	(3)	
<i>zonalis</i>	Traver & Edmunds, 1967	(3)	
<i>Traverella</i>		(2)	TO
<i>promifrons</i>	Lugo-Ortiz & MacCafferty, 1996	(3)	

¹ Observed by author in samples collected by Friends for Conservation and Development, Belize, 2014

Taxon		References	Belize Distribution
Ephemeroptera			
Leptophlebiidae			
<i>Ulmeritoides</i>		(2)	CY ² ,TO
Oligoneuriidae		(1,2)	CY,TO
<i>Lachlania</i>		(2)	TO
Polymitarcyidae			
<i>Campsurus</i>		(1,2)	CY,TO
<i>cuspidatus</i>	Eaton, 1871	(3,4)	BZ
Siphonuridae		(1)	CY ¹
Anisoptera			
Aeshnidae			
<i>Aeshna</i>			
<i>williamsoniana</i>	Calvert, 1905	(10)	CY
<i>hesperaeschna</i>	?	(10)	CY
<i>Anax</i>			
<i>amazili</i>	Burmeister, 1839	(10,11)	CO,TO
<i>concolor</i>	Brauer, 1865	(10)	CO,CY
<i>junius</i>	Drury, 1773	(10)	CO,OW
<i>Coryphaeschna</i>			
<i>adnexa</i>	Hagen, 1861	(10)	CO,OW
<i>apeora</i>	Paulson, 1994	(10)	CO
<i>diapyra</i>	Paulson, 1994	(10)	CO,BZ,CY
<i>viriditas</i>	Calvert, 1952	(10)	CO,OW,ST,TO
<i>Gynacantha</i>			
<i>auricularis</i>	Martin, 1909	(10)	TO
<i>helenga</i>	Williamson & Williamson, 1930	(10)	CO,OW,CY
<i>mexicana</i>	Selys, 1868	(10)	CO,BZ,CY
<i>nervosa</i>	Rambur, 1842	(10)	CO,OW,BZ,CY,TO
<i>Remartinia</i>			
<i>secreta</i>	Calvert, 1952	(10)	CO,CY
<i>Rhionaeschna</i>			
<i>psilus</i>	Calvert, 1947	(10)	CY
<i>Staurophlebia</i>			
<i>reticulate</i>	Burmeister, 1839	(10)	TO
<i>Triacanthagyna</i>			
<i>carribea</i>	Williamson, 1923	(10)	CO,OW, CY
<i>ditzleri</i>	Williamson, 1923	(8)	
<i>satyrus</i>	Martin, 1909	(10)	OW,TO
<i>septima</i>	Selys, 1857	(10)	CO,CY,ST,TO
Gomphidae			
<i>Agriogomphus</i>			
<i>tumens</i>	Calvert, 1905	(10)	OW,CY,ST
<i>Aphylla</i>			
<i>angustifolia</i>	Garrison, 1986	(10)	CO,OW,CY,ST,TO
<i>protracta</i>	Hagen, 1859	(10)	CO,OW
<i>Epigomphus</i>			
<i>maya</i>	Donnelly, 1989	(10)	CY,ST
<i>Erpetogomphus</i>			
<i>eutainia</i>	Calvert, 1905	(10)	TO
<i>leptophis</i>	Garrison, 1994	(10)	TO
<i>ophibolus</i>	Calvert, 1905	(10)	OW,CY,ST,TO

² Observed by author in samples collected by University of Belize students, Sibun River 2014

³ Confirmed A. Ramirez

Taxon		References	Belize Distribution
Anisoptera			
Gomphidae			
<i>Phyllocycla</i>			
<i>breviphylla</i>	Belle, 1975	(10)	BZ,CY,ST,TO
<i>speculatrix</i>	Belle, 1975	(10)	CO,CY,TO
<i>Phyllocycla</i>			
<i>volsella</i>	Calvert, 1905	(10)	CY
<i>Phyllogomphoides</i>			
<i>duodentatus</i>	Donnelly, 1979	(10)	OW,BZ,CY,ST,TO
<i>pugnifer</i>	Donnelly, 1979	(10)	OW,BZ,CY,ST,TO
<i>suasus</i>	Selys, 1859	(10)	CY,ST
<i>Progomphus</i>			
<i>clendoni</i>	Calvert, 1905	(10)	CY,ST,TO
<i>mexicanus</i>	Belle, 1973	(10)	CY
<i>zonatus</i>	Hagen, 1854	(10)	CY
Libellulidae			
<i>Anatya</i>			
<i>guttata</i>	Erichson, 1848	(10)	CO,OW,CY,ST,TO
<i>Brachymesia</i>			
<i>furcata</i>	Hagen, 1861	(10)	CO,CY
<i>herbida</i>	Gundlach, 1889	(10)	BZ
<i>Brechmorhoga</i>			
<i>nubecula</i>	Rambur, 1842	(10)	CY,TO
<i>praecox</i>	Hagen, 1861	(10)	OW,CY,TO
<i>rapax</i>	Calvert, 1898	(10)	CY,TO
<i>tepeaca</i>	Calvert, 1908	(10)	CY,TO
<i>vivax</i>	Calvert, 1906	(10)	CY,TO
<i>Cannaphila</i>			
<i>insularis</i>	Kirby, 1889	(10)	CO,BZ,CY,ST,TO
<i>vibex</i>	Hagen, 1861	(10)	CO,BZ,CY,ST
<i>Dythemis</i>			
<i>multipunctata</i>	Kirby, 1894	(10)	OW,BZ,CY,ST,TO
<i>sterilis</i>	Hagen, 1861	(10)	CO,OW,BZ,CY,ST,TO
<i>Elasmothemis</i>			
<i>aliciae</i>	Gonzalez-Soriano & Novelo-Gutierrez, 2006	(12)	CO,OW,BZ,CY,ST,TO
<i>cannacrioides</i>	Calvert, 1906	(10)	BZ,CY,ST,TO
<i>Erythemis</i>			
<i>attala</i>	Selys, 1857	(10)	CO,OW,CY
<i>credula</i>	Hagen, 1861	(10)	ST
<i>haematogastra</i>	Burmeister, 1839	(10)	CO,OW,CY,TO
<i>plebeja</i>	Burmeister, 1839	(10)	CO,OW,CY,TO
<i>simplicicollis</i>	Say, 1840	(10)	CO,OW,BZ,CY
<i>vesiculosa</i>	Fabricius, 1775	(10)	CO,OW,BZ,CY,ST,TO
<i>Erythrodiplax</i>			
<i>berenice</i>	Drury, 1773	(10)	CO,BZ,ST
<i>castanea</i>	Burmeister, 1839	(10)	CY
<i>fervida</i>	Erichson, 1848	(10)	CO,OW,BZ,CY,ST,TO
<i>funerea</i>	Hagen, 1861	(10)	TO
<i>fusca</i>	Rambur, 1842	(10)	CO,OW,BZ,CY,ST,TO
<i>ochracea</i>	Burmeister, 1839	(11)	BZ
<i>umbrata</i>	Linnaeus, 1758	(10)	CO,OW,BZ,CY,ST,TO
<i>Idiataphe</i>			
<i>amazonica</i>	Kirby, 1889	(10)	TO
<i>cubensis</i>	Scudder, 1866	(10)	CO,OW,BZ,CY,ST,TO

Taxon		References	Belize Distribution
Anisoptera			
Libellulidae			
<i>Libellula</i>			
	<i>croceipennis</i>	Selys, 1868	(10) CY
	<i>gaigei</i>	Gloyd, 1938	(10) CO,OW,CY
	<i>herculea</i>	Karsch, 1889	(10) OW,CY
<i>Macrodiplax</i>			
	<i>balteata</i>	Hagen, 1861	(10) CO,BZ
<i>Macrothemis</i>			
	<i>fallax</i>	May, 1998	(13)
	<i>hemichlora</i>	Burmeister, 1839	(10) BZ,CY,ST,TO
	<i>imitans</i>	Karsch, 1890	(10) BZ,CY,ST,TO
	<i>inacuta</i>	Calvert, 1898	(10) CY
	<i>inequiunguis</i>	Calvert, 1895	(10) OW,CY,ST,TO
	<i>musiva</i>	Calvert, 1898	(10) OW,CY
	<i>pseudimitans</i>	Calvert, 1898	(10) CY,ST,TO
<i>Miathyria</i>			
	<i>marcella</i>	Selys, 1857	(10) CO,OW,CY,TO
	<i>simplex</i>	Rambur, 1842	(10) CO,OW,CY,TO
<i>Micrathyria</i>			
	<i>aequalis</i>	Hagen, 1861	(10) OW,CY,ST,TO
	<i>atra</i>	Martin, 1897	(10) CO,OW,CY
	<i>debilis</i>	Hagen, 1861	(10) CO,OW,BZ,CY,ST,TO
	<i>dictynna</i>	Ris, 1919	(10) CY,ST,TO
	<i>didyma</i>	Selys, 1857	(10) CO,OW,BZ,CY,ST,TO
	<i>dissocians</i>	Calvert, 1906	(10) CY
	<i>hagenii</i>	Kirby, 1890	(10) CO,BZ,CY
	<i>mengeri watsoni</i>	Dunkle, 1995	(10) ST,TO
	<i>ocellata</i>	Martin, 1897	(10) OW,CY,ST,TO
<i>Nephepeltia</i>			
	<i>chalconota</i>	Ris, 1919	(10) CY,ST,TO
	<i>phryne</i>	Perty, 1834	(10) CY
<i>Orthemis</i>			
	<i>biolleyi</i>	Calvert, 1906	(10) TO
	<i>ferruginea</i>	Fabricus, 1775	(10) CO,OW,BZ,CY,ST,TO
	<i>levis</i>	Calvert, 1906	(10) CO,OW,BZ,CY,ST,TO
<i>Pachydiplax</i>			
	<i>longipennis</i>	Burmeister, 1839	(10) BZ
<i>Paltothemis</i>			
	<i>lineatipes</i>	Karsch, 1890	(10) CY
<i>Pantala</i>			
	<i>flavescens</i>	Fabricus, 1798	(10) CO,OW,BZ,CY,ST,TO
	<i>hymenaea</i>	Say, 1840	(10) CO,OW,CY,TO
<i>Perithemis</i>			
	<i>domitia</i>	Drury, 1773	(10) CO,OW,BZ,CY,ST,TO
	<i>mooma</i>	Kirby, 1889	(10) CO,OW,BZ,CY,ST,TO
<i>Planiplax</i>			
	<i>sanguiniventris</i>	Calvert, 1907	(14)
<i>Rhodopygia</i>			
	<i>hinei</i>	Calvert, 1907	(10) CY,TO
<i>Sympetrum</i>			
	<i>corruptum</i>	Hagen, 1861	(10) CO
<i>Tauriphila</i>			
	<i>argo</i>	Hagen, 1869	(10) OW,CY
	<i>australis</i>	Hagen, 1867	(10) OW
<i>Tholymis</i>			
	<i>citrina</i>	Hagen, 1867	(10) CO,OW,CY

Taxon		References	Belize Distribution
Anisoptera			
<i>Tramea</i>			
	<i>abdominalis</i>	Rambur, 1842	(10) CO,CY,TO
	<i>binotata</i>	Rambur, 1842	(10) CO,BZ,CY,ST,TO
	<i>calverti</i>	Muttkowski, 1910	(10) CO,OW,BZ,CY,ST,TO
	<i>onusta</i>	Hagen, 1861	(10) CO,OW,BZ,CY
<i>Uracis</i>			
	<i>imbuta</i>	Burmeister, 1839	(10) CO,OW,CY,ST,TO
	<i>turrialba</i>	Ris, 1919	(10)
Zygoptera			
Calopterygidae			
<i>Hetaerina</i>			
	<i>americana</i>	Fabricus, 1798	(15) CY
	<i>capitalis</i>	Selys, 1873	(10) CY,ST
	<i>cruentata</i>	Rambur, 1842	(10) BZ,CY,ST,TO
	<i>occisa</i>	Hagen, 1853	(10) CO,OW,BZ,CY,ST,TO
	<i>pilula</i>	Calvert, 1901	(10) OW,CY,ST,TO
	<i>sempronina</i>	Hagen, 1853	(10) CY
	<i>titia</i>	Drury, 1773	(10) CO,OW,BZ,CY,ST,TO
Coenagrionidae			
<i>Acanthagrion</i>			
	<i>quadratum</i>	Selys, 1876	(10) CO,OW,CY,ST,TO
	<i>inexpectum</i>	Leonard, 1977	(10) CY
<i>Argia</i>			
	<i>anceps</i>	Garrison, 1996	(14)
	<i>calida</i>	Hagen, 1861	(10) OW,CY,ST,TO
	<i>chelata</i>	Calvert, 1902	(10) CY
	<i>cuprea</i>	Hagen, 1861	(10) CY,TO
	<i>difficilis</i>	Selys, 1865	(10) CY
	<i>eliptica</i>	Selys, 1865	(10) OW,CY,ST,TO
	<i>extranea</i>	Hagen, 1861	(10) CY
	<i>fissa</i>	Selys, 1865	(10) CY,TO
	<i>frequentula</i>	Calvert, 1907	(10) CO,OW,BZ,CY,ST,TO
	<i>gaumeri</i>	Calvert, 1907	(10) CO,OW,BZ,CY,ST,TO
	<i>immunda</i>	Hagen, 1861	(10) CY
	<i>indicatrix</i>	Calvert, 1902	(10) CY
	<i>lacrimans</i>	Hagen, 1861	(10) CY
	<i>oculata</i>	Hagen, 1865	(10) OW,CY,TO
	<i>oenea</i>	Hagen, 1865	(10) OW,CY,ST,TO
	<i>pipila</i>	Calvert, 1907	(10) OW,CY,ST,TO
	<i>pulla</i>	Hagen, 1865	(10) CO,OW,BZ,CY,ST,TO
	<i>translata</i>	Hagen, 1865	(10) CO,OW,BZ,CY,ST,TO
	<i>ulmeca</i>	Calvert, 1902	(10) BZ,CY,ST,TO
<i>Enacantha</i>			
	<i>caribbea</i>	Donnelly & Alayo, 1966	(10) OW,CY,ST
<i>Enallagma</i>			
	<i>novaehispaniae</i>	Calvert, 1907	(10) OW,BZ,CY,ST,TO
	<i>praevarum</i>	Hagen, 1861	(10)
<i>Ischnura</i>			
	<i>capreolus</i>	Hagen, 1861	(10) CO,OW,BZ,CY,ST,TO
	<i>hastata</i>	Say, 1840	(10) CO,OW,BZ,CY,ST,TO
	<i>posita acicularis</i>	Donnelly, 1965	(10) OW,CY,TO
	<i>ramburii</i>	Selys, 1850	(10) CO,OW,BZ,CY,ST,TO

Taxon		References	Belize Distribution
Zygoptera			
Coenagrionidae			
<i>Leptobasis</i>			
	<i>candelaria</i>	Alayo, 1968	(16) TO
	<i>lucifer</i>	Donnelly, 1967	(10,14) CO,OW,ST
	<i>vacillans</i>	Hagen, 1877	(10) CO,OW,CY,ST,TO
<i>Nehalennia</i>			
	<i>minuta</i>	Selys, 1857	(10) CO,OW,BZ,CY,ST,TO
<i>Neoerythromma</i>			
	<i>cultellatum</i>	Hagen, 1876	(10) CO,OW,BZ,CY,ST,TO
<i>Telebasis</i>			
	<i>boomsmae</i>	Garrison, 1994	(10) OW,CY
	<i>collopistes</i>	Calvert, 1902	(10) CO,OW
	<i>digiticollis</i>	Calvert, 1902	(10) CO,OW,CY,ST,TO
	<i>filiola</i>	Perty, 1834	(10) OW,CY,TO
	<i>griffinii</i>	Martin, 1869	(10) OW
	<i>levis</i>	Garrison, 2009	(14)
	<i>salva</i>	Hagen, 1861	(10) CO,OW,CY
Lestidae			
<i>Archilestes</i>			
	<i>grandis</i>	Rambur, 1842	(10) CY
	<i>latialatus</i>	Donnelly, 1981	(10) CY
<i>Lestes</i>			
	<i>forficula</i>	Rambur, 1842	(10) CO,OW,BZ,CY,ST,TO
	<i>tenuatus</i>	Rambur, 1842	(10) CO,OW,CY
	<i>tikalus</i>	Kormondy, 1959	(10) CO,OW,CY
Megapodagrionidae			
<i>Heteragrion</i>			
	<i>alienum</i>	Williamson, 1919	(10) CO,OW,BZ,CY,ST,TO
Perilestidae			
<i>Perissolestes</i>			
	<i>magdalenae</i>	Williamson & Williamson, 1924	(10) CY,ST,TO
Platystictidae			
<i>Palaemnema</i>			
	<i>angelina</i>	Selys, 1860	(10) CY,TO
	<i>desiderata</i>	Selys, 1886	(10) OW,CY,ST,TO
	<i>nathalia</i>	Selys, 1886	(10) TO
	<i>paulina</i>	Drury, 1773	(10) TO
	<i>paulitoyaca</i>	Calvert, 1931	(14)
Polythoridae			
<i>Cora</i>			
	<i>marina</i>	Selys, 1868	(10) CY,TO
Protoneuridae ⁴			
<i>Neoneura</i>			
	<i>amelia</i>	Calvert, 1903	(10) CO,OW,BZ,CY,ST,TO
	<i>paya</i>	Calvert, 1907	(10) OW,BZ,CY,ST,TO
<i>Protoneura</i>			
	<i>amatoria</i>	Calvert, 1907	(10) TO
	<i>aurantiaca</i>	Selys, 1886	(10) OW,CY,ST,TO
	<i>corculum</i>	Calvert, 1907	(10) CO,OW,CY,ST,TO
	<i>cupida</i>	Calvert, 1903	(10) OW,CY,ST,TO
	<i>peramans</i>	Calvert, 1902	(10) TO
<i>Psaironeura</i>			
	<i>remissa</i>	Calvert, 1903	(10) CO,OW,CY,ST,TO

⁴ Protoneuridae reclassified as Coenagrionidae (77)

Taxon		References	Belize Distribution
Zygoptera			
Pseudostigmatidae			
<i>Mecistogaster</i>			
<i>modesta</i>	Selys, 1860	(10)	CY,TO
<i>Megaloprepus</i>			
<i>caerulatus</i>	Drury, 1782	(10)	CY,TO
<i>Pseudostigma</i>			
<i>aberrans</i>	Selys, 1860	(10)	OW,CY,TO
<i>accedens</i>	Selys, 1860	(10)	CO,OW,CY,TO
Plecoptera			
Perlidae			
<i>Anacroneuria</i>			
<i>lineata</i>	Navas, 1924	(17)	CY,ST,TO
<i>litura</i>	Pictet, 1841	(17)	CY
<i>?nigrocincta?</i>	Pictet, 1841	(18)	
<i>perplexa</i>	Stark, 1998	(17)	ST
<i>planicollis</i>	Klapalek, 1923	(17)	CY
<i>shephardi</i>	Stark & Kondratieff, 2004	(17)	CY
Trichoptera			
Calamoceratidae			
<i>Phylloicus</i>		(1,2)	CY,TO
<i>aeneus</i>	Hagen, 1861	(19)	CY
Ecnomide			
<i>Austrotinoides</i>		(2)	TO
<i>freytagi</i>	Flint & Denning, 1989	(20)	
Glossosomatidae			
<i>Protoptila</i>		(2)	TO ⁵
<i>bicornuta</i>	Flint, 1963	(21)	
<i>mayana</i>	Flint, 1974	(21)	CY
Helicopsychidae			
<i>Feropsyche</i>		(1,2)	CY,TO
<i>vergelana</i>	Ross, 1956	(21,22)	
Hydrobiosidae			
<i>Atopsyche</i>		(2)	TO
<i>majada</i>	Ross, 1947	(21)	
Hydropsychidae			
<i>Leptonema</i>		(1,2)	CY,TO
<i>albovirens</i>	Walker, 1852	(21)	
<i>Plectromacronema</i>	Ulmer, 1906	(2)	TO ⁶
<i>Smicridea</i>			
<i>signata</i>	Banks, 1903	(21)	
Hydroptilidae			
<i>Hydroptila</i>		(1,2)	CY,TO
<i>constricta</i>	Bueno, 1984	(21)	
<i>misolha</i>	Bueno, 1984	(21)	
<i>Neotrichia</i>			
<i>amplio</i>	Keth, 2004	(23)	OW
<i>garra</i>	Keth, 2004	(23)	OW
<i>mathisi</i>	Keth, 2004	(23)	OW
<i>pulgara</i>	Keth, 2004	(23)	OW

⁵ Confirmed M. Springer

⁶ Confirmed M. Springer

Taxon		References	Belize Distribution
Trichoptera			
Hydroptilidae		(1,2)	CY,TO
<i>Ochrotrichia</i>			
<i>blanca</i> ⁷	Bueno-Soria & Santiago-Fragoso, 1997	(24)	CY
<i>hondurenia</i> ⁸	Bueno-Soria & Santiago-Fragoso, 1997	(24)	CY
<i>Oxyethira</i>			
<i>azteca</i>	Mosely, 1937	(21)	
<i>paritentacula</i>	Kelley, 1983	(25)	CY
Lepidostomatidae		(2)	TO
Leptoceridae		(1,2)	CY,TO
<i>Oecetis</i>			
<i>avara</i>	Banks, 1895	(21)	
Odontoceridae		(1,2)	CY,TO
<i>Marilia</i>		(26)	CY
Philopotamidae			
<i>Chimarra</i>			
<i>alata</i>	Bueno, 1983	(27)	CY,TO
<i>belizensis</i>	Blahnik, 1988	(27)	CY
<i>beameri</i>	Denning, 1960	(27)	CY,TO
<i>flinti</i>	Bueno, 1985	(27)	TO
<i>izabala</i>	Blahnik, 1988	(27)	CY,ST,TO
<i>laguna</i>	Ross, 1951	(28)	CY,TO
<i>ortiziana</i>	Flint, 1967	(27)	CY
Polycentropodidae		(1,2)	CY,TO
<i>Polyplectropus</i>			
<i>hamatus</i> ⁹	Bueno-Soria, 1990	(28)	
<i>kingsolveri</i> ¹⁰	Bueno-Soria, 1990	(28)	
<i>Cernotina</i>			
<i>zanclana</i>	Ross, 1952	(28)	
<i>Polycentropus</i>			
<i>bonus</i>	Flint, 1981	(28)	CY
Xiphocentronidae		(1,2)	CY,TO
Megaloptera			
Corydalidae			
<i>Corydalus</i>		(1,2,29)	CY,TO
<i>luteus</i>	Hagen, 1861	(29)	
<i>Chloronia</i>		(2)	TO
Hemiptera			
Belostomatidae		(1,2)	CY,TO
Corixidae		(1,2)	CY,TO
Gelastocoridae		(1)	CY

⁷ Re-described in the *Ochrotrichia blanca* Group near *Ochrotrichia maycoba* (Bueno-Soria & Santiago-Fragoso), *Ochrotrichia zihuaquia* (Bueno-Soria & Santiago-Fragoso), and *Ochrotrichia eyipantla* (Bueno-Soria & Santiago-Fragoso) by Bueno-Soria, 2009, Transactions of the American Entomological Society 135(1+2)

⁸ Re-described in the *Ochrotrichia xena* Group near *Ochrotrichia glabra* (Bueno-Soria & Santiago-Fragoso) by Bueno-Soria, 2009, Transactions of the American Entomological Society 135(1+2)

⁹ Re-described in the *Polyplectropus santiago* Group near *Polyplectropus oaxaquensis* (Bueno-Soria) and *Polyplectropus banksianus* (Flint) by Chamorro & Holzenthal, 2010, Zootaxa 2582.

¹⁰ Re-described in the *Polyplectropus bredini* Group near *Polyplectropus mignonae* (Bueno-Soria) by Chamorro & Holzenthal, 2010, Zootaxa 2582

Taxon		References	Belize Distribution
Hemiptera			
Gerridae		(1,2)	CY,TO
<i>Limnogonus</i>			
<i>recens</i>	Drake & Harris, 1934	(11)	TO
<i>Metrobates</i>		(30)	CY,ST
<i>porcus</i>	Anderson, 1932	(31)	TO
<i>Potamobates</i>		(30)	CY,ST
<i>Rheumatobates</i>		(30)	CY,ST
<i>clanis</i>	Drake & Harris, 1932	(32)	TO
<i>Telmatometra</i>		(30)	CY,ST
<i>Trepobates</i>			
<i>carri</i>	Kittle, 1982	(33)	CY
Hydrometridae		(1,2)	CY,TO
<i>Hydrometra</i>			
<i>australis</i>	Say, 1832	(34)	
<i>exilis</i>	Torre-Bueno, 1926	(33)	
Mesoveliidae		(30)	ST
<i>Mesovelias</i>		(30)	ST
<i>Mesoveloidea</i>		(30)	ST
Naucoridae			
<i>Ambrysus</i>			
<i>baeus</i>	Polhemus & Polhemus, 1981	(35)	CY,BZ,ST,TO
<i>cayo</i>	Sites & Shepard, 2015	(35,36)	CY
<i>circumcinctus</i>	Montandon, 1910	(35,36)	OW,CY,BZ,ST,TO
<i>maya</i>	Sites & Reynoso, 2015	(35,36)	OW,CY,BZ
<i>melanopterus</i>	Stal, 1862	(35)	CY
<i>pulchellus</i>	Montandon, 1897	(35)	CY
<i>Cryphocricos</i>		(30,35)	CY,BZ,ST,TO
<i>Limnocoris</i>			
<i>insularis</i>	Champion, 1901	(35,37)	OW,CY,BZ,ST,TO
<i>Pelocoris</i>			
<i>biimpressus</i>	Montandon, 1898	(35)	CO,OW,CY,BZ,ST
<i>femoratus</i>	Palisot de Beauvois, 1820	(35)	OW
Nepidae		(1,2)	CY,TO
<i>Ranatra</i>		(1,2)	CY,TO
<i>absona</i>	Drake & de Carlo, 1932	(11)	TO
Notonectidae		(1,2)	CY,TO ¹¹
<i>Martarega</i>			
<i>hondurensis</i>	Bare, 1932	(38)	CY
Potamocoridae			
<i>Potamocoris</i>			
<i>beckeri</i>	La Rivers, 1950	(39)	CY
<i>isbiru</i>	Polhemus & Carrie, 2013	(39)	CY,TO
Veliidae			
<i>Microvelia</i>		(30)	ST
<i>Oiovelia</i>		(30)	ST
<i>johnpolhemi</i>	Floriano & Rodrigues, 2016	(40)	CY
<i>Rhagovelia</i>		(2,30)	CY,ST,TO
<i>cuspidis</i>	Drake & Harris, 1933	(11)	TO
<i>chac</i>	Polhemus & Chordas, 2010	(41)	CY
<i>tantilla</i>	Drake & Harris, 1933	(11)	TO
<i>Veloidea</i>			
<i>reposita</i>	Drake & Harris, 1931	(11)	TO
Blattodea		(2)	TO

¹¹ Collected by author from ponds at disused Belize Lodge And Excursions site, 2014

Taxon		References	Belize Distribution
Coleoptera			
Dryopidae			
<i>Dryops</i>		(30)	ST
<i>mexicanus</i>	Sharp, 1882	(42)	CY?ST?TO?
<i>Elmoparnus</i>			
<i>pandus</i>	Spangler & Perkins, 1977	(42)	CY?ST?TO?
<i>Helichus</i>			
<i>suturalis</i>	LeConte, 1852	(37,42)	BZ?OW,CY,ST?TO
<i>Parygrus</i>			
<i>maya</i>	Barr & Shepard, 2020	(43)	CY,ST,TO
Dytiscidae			
<i>Bidessonotus</i>			
<i>caraibus</i>	Chevrolat, 1863	(44)	
<i>pollostus</i>	Young, 1990	(45)	CO
<i>vicinus</i>	Balfour-Browne, 1947	(45)	TO
<i>Copelatus</i>			
<i>yaguarete</i>	Scheers, 2018	(46)	ST
<i>Derovatellus</i>			
<i>floridanus</i>	Fall, 1939	(47)	CY,ST
<i>Lacomimus</i>			
<i>pumilio</i>	LeConte, 1878	(48)	ST,TO
<i>Laccophilus</i>			
<i>duplex</i>	Sharp, 1882	(48)	ST,TO
<i>gentilis suavis</i>	Sharp, 1882	(48)	ST,TO
<i>fasciatus fasciatus</i>	Aube, 1838	(48)	BZ,CY,ST,TO
<i>oscillator laevipennis</i>	Sharp, 1882	(37,48)	OW,ST,TO
<i>ovatus zapotecus</i>	Zimmerman, 1970	(48)	BZ,ST,TO
<i>proximus</i>	Say, 1823	(37,48)	OW,BZ,CY,TO
<i>spangleri</i>	Zimmerman, 1970	(48)	BZ,TO
<i>Hydrodytes</i>			
<i>inaciculatus</i>	Guignot, 1957	(49)	CY
<i>opalinus</i>	Zimmermann, 1921	(49)	CY
<i>Vatellus</i>			
<i>mexicanus</i>	Sharp, 1882	(47)	CY
Elmidae			
<i>Austrolimnius</i>		(30)	ST
<i>eris</i>	Hinton, 1971	(42)	BZ?,CY?,ST?,TO
<i>formosa</i>	Sharp, 1882	(42)	CY,ST?,TO?
<i>Cylloepus</i>		(30)	ST
<i>heterocerus</i>	Sharp, 1882	(42)	CY?,ST?,TO?
<i>optatus</i>	Sharp, 1882	(42)	CY?,ST?,TO?
<i>Heterelmis</i>		(30,37)	OW,CY,ST
<i>glabra</i>	Horn, 1870	(42)	CY?,ST?,TO
<i>Hexacylloepus</i>		(30,37)	OW, ST
<i>ferrugineus</i>	Horn, 1870	(42)	BZ?,CY,ST?
<i>Macrelmis</i>		(30,42)	OW?,BZ?CY,ST?,TO
<i>Microcylloepus</i>		(30,37,42)	OW,BZ?CY,ST,TO
<i>Neocylloepus</i>		(30)	CY,ST
<i>sculptipennis</i>	Sharp, 1882	(42)	BZ?,CY,ST?,TO?
<i>Neoelmis</i>	Musgrave, 1935	(42,50)	OW?,BZ?,CY?,ST?,TO
<i>Phanocerus</i>			
<i>clavicornis</i>	Sharp, 1882	(37,42,50)	OW,BZ?,CY,ST?,TO
<i>conger</i>	Grouvelle, 1898	(42)	CY?,ST?,TO
<i>Stenhelmoides</i>			
<i>rufulus</i>	Hinton, 1934	(42,50)	BZ?CY?ST?TO?

Taxon		References	Belize Distribution
Coleoptera			
Elmidae			
<i>Xenelmis</i>	(30)		ST
<i> bufo</i>	Sharp, 1882	(37,42)	OW,BZ?,CY,ST?,TO
Eulichidae		(2)	TO
Gyrinidae		(1,2)	CY,TO
Hydrophilidae		(1,2)	CY,TO
<i>Anacaena</i>			
<i> suturalis</i>	LeConte, 1866	(51)	CY
<i>Chaetarthria</i>		(30)	ST
<i>Enochrus</i>		(30)	ST
<i> pseudochraceus</i>	Gundersen, 1977	(52)	BZ,CY
<i> pygmaeus</i>	Say, 1824	(52)	BZ,CY
<i> sayi</i>	Gundersen, 1977	(52)	BZ,CY
<i>Helochares</i>			
<i> sallaei</i>		(52)	BZ
Limnichidae		(1,2)	CY,TO
<i>Byrrhinus</i>			
<i> amoenus</i>	Wooldridge, 1987	(53)	
<i> olibroides</i>	Sharp, 1902	(53)	
<i> panamensis</i>	Sharp, 1902	(53)	
<i>Eulimnichus</i>			
<i> ater</i>	LeConte, 1854	(53)	
<i>Limnichomorphus</i>			
<i> lutrochinus</i>	LeConte, 1879	(53)	
<i>Phalacrichus</i>			
<i> atomarius</i>	Sharp, 1902	(53)	
Lutrochidae			
<i>Lutrochus</i>	Erichson, 1847		
<i> vestitus</i>	Sharp, 1882	(42)	OW?,BZ?,CY,ST?,TO
<i> new genus</i>		(42)	CY
Microsporidae/Sphaeriusidae			
<i>Microsporus</i>		(30)	
Noteridae			
<i>Hydrocanthus</i>			
<i> debilis</i>	Sharp, 1882	(54)	ST,TO
<i> marmoratus</i>	Sharp, 1882	(54)	TO
<i>Mesonoterus</i>			
<i> laevicollis</i>	Sharp, 1882	(54)	ST,TO
<i>Notomicrus</i>			
<i> sharpi</i>	Balfour-Browne, 1939	(54)	BZ,TO
<i>Suphisellus</i>			
<i> insularis</i>	Sharp, 1882	(54)	ST,TO
<i> lineatus</i>	Horn, 1871	(54,55)	CY,TO
<i> neglectus</i>	Young, 1979	(54,55)	CY,ST
<i> nigrinus</i>	Aube, 1838	(54)	BZ,ST,TO
<i> varians</i>	Sharp, 1882	(55)	CY
Psephenidae			
<i>Belicinus</i>		(56)	
<i> rhomboideus</i>	Arce-Perez, Shepard & Moran, 2012	(56)	BZ,CY,TO
<i>Psephenops</i>			
<i> spiniparameri</i>	Arce-Perez & Novelo-Gutierrez, 2013	(57)	CY,TO
<i> shepardi</i>	Arce-Perez & Novelo-Gutierrez, 2013	(57)	BZ,CY,TO

Taxon		References	Belize Distribution
Coleoptera			
Ptilodactylidae			
<i>Anchytarsus</i>	Guerin-Meneville, 1843	(1)	CY
<i>palpalis</i>	Champion, 1897	(42,58)	CY,TO
new species		(42)	CY
Scritidae		(1,2)	CY,TO
Staphylinidae		(2)	TO
Lepidoptera			
Crambidae		(1,2)	CY,TO
Diptera			
Athericidae		(1,2)	CY,TO
Blephariceridae		(1)	CY
Cecidomyiidae		(2)	TO
Ceratopogonidae ¹²		(2,59,60)	TO
<i>Culicicoides</i>			
<i>crepusularis</i>	Malloch, 1915	(60)	CY
Chironomidae		(1,2)	CY,TO
<i>Cladopelma</i>	Kieffer, 1921	(61)	CO
Culicidae ¹³		(62)	
<i>Anopheles</i>			
<i>albimanus</i>	Wiedemann,	(37)	OW
<i>Chagasia</i>			
<i>bathana</i>	Dyar	(37)	OW
Dixidae		(2)	TO
Dolichopodidae		(2)	TO
Empididae		(2)	TO
Limoniidae		(2)	TO
Psychodidae		(2)	TO
Simuliidae			
<i>Simulium</i>			
<i>callidum</i>	Dyar & Shannon, 1927	(63)	CY,ST,TO
<i>earlei</i>	Vargas, Martínez Palacios & Díaz Nájera, 1946	(63)	CY,ST
<i>ganalesense</i>	Vargas, Martínez Palacios & Díaz Nájera, 1946	(63)	ST,TO
<i>gonzalezi</i>	Vargas & Díaz Nájera, 1953	(63)	BZ,CY,ST,TO
<i>haematopotum</i>	Malloch, 1914	(63)	BZ,CY,ST,TO
<i>metallicum s.l.</i>	Bellardi, 1859	(63)	CY,ST,TO
<i>mexicanum</i>	Bellardi, 1862	(63)	BZ,CY,ST
<i>ochraceum</i>	Walker, 1861	(63)	CY
<i>paynei</i>	Vargas, 1942	(64)	
<i>pulverulentum</i>	Knab, 1915	(63)	CY,ST,TO
<i>quadrivittatum</i>	Loew, 1862	(63)	BZ,CY,ST,TO
<i>samboni</i>	Jennings, 1915	(63)	BZ,CY,ST,TO
<i>tarsatum</i>	Macquart, 1846	(64)	
<i>virgatum</i>	Coquillett, 1902	(63)	CY,ST,TO
Stratiomyidae		(2)	TO
Tabanidae ¹⁴		(65)	

¹² Numerous species of Ceratopogonidae are listed in the texts cited as present in Belize. With the exception of the species listed, their association with freshwater when immature is not clear.

¹³ At least 110 Culicidae are listed as occurring across the country (Meerman & Clabaugh, 2014). They are not yet reproduced here.

Taxon		References	Belize Distribution
Diptera			
Tipulidae		(2)	TO
Decapoda			
Atyidae		(2)	TO
<i>Potimirim</i>			
<i>mexicana</i>	de Saussure, 1857	(66)	BZ
Decapoda			
Cambaridae			
<i>Procambarus</i>			
<i>clarkii</i>	Girard, 1852	(67)	
<i>pilosimanus</i>	Ortmann, 1906	(68)	
Palaemonidae		(2)	TO
<i>Macrobrachium</i>			
<i>catonium</i>	Hobbs & Hobbs, 1995	(69)	CY
Pseudothelphusidae			
<i>Typhlopseudothelphusa</i>			
<i>acanthochela</i>	Hobbs, 1986	(68)	CY
<i>Potamocarcinus</i>			
<i>aspoekorum</i>	Pretzmann, 1968	(70)	CY
Mollusca			
Bivalvia			
Sphaeriidae		(2)	TO
Unionidae		(2)	TO
Gastropoda			
Ampullariidae			
<i>Pomacea</i>		(1,2)	CY, TO
<i>belizensis</i>	Crosse & Fisher, 1888	(71)	?
<i>flagellata flagellata</i>	Say, 1827	(72)	OW
<i>flagellate livescens</i>	Reeve, 1856	(71)	?
Hydrobiidae			
<i>Pyrgophorus</i>			
<i>coronatus</i>	Pfeiffer, 1840	(72)	OW
Pachychilidae			
<i>Pachychilus</i>			
<i>corvinus</i>	Morelet, 1849	(73)	TO
<i>glaphyrus</i>	Morelet, 1849	(73)	TO
<i>indiorum</i>	Morelet, 1849	(73)	TO
<i>largillerti</i>	Phillipi, 1843	(73)	TO
sp. indet		(73)	TO
Physidae			
<i>Mexinauta</i>		(2)	TO
<i>princeps</i>	Phillipi, 1846	(71)	CO,OW

¹⁴ Thirty-one species of Tabanidae in their adult form are reported from locations across the country. They are not listed here as it is unknown if all are aquatic when immature.

Taxon		References	Belize Distribution
Mollusca			
Gastropoda			
Planorbidae		(2)	TO
<i>Biomphalaria</i>			
<i>albicans</i>	Pfeiffer, 1848	(71)	BZ
<i>belizensis</i>	Crosse & Fischer, 1878	(71)	?
<i>havanensis</i>	Pfeiffer, 1839	(71)	BZ
<i>helophila</i>	Orbigny, 1835	(74)	BZ
<i>obstructa</i>	Morelet, 1849	(75)	BZ
<i>Drepanotrema</i>			
<i>anatinum</i>	Orbigny, 1835	(75)	BZ
<i>lucidum</i>	Pfeiffer, 1839	(75)	BZ
<i>Hebetancylus</i>			
<i>excentricus</i>	Morelet, 1851	(62)	
<i>Planorbella</i>			
<i>trivolis</i>	Say, 1817	(75)	BZ
Thiaridae			
<i>Melanoides</i>			
<i>tuberculata</i>	Muller, 1774	(2,76)	CY,ST,TO
<i>Tarebia</i>			
<i>granifera</i>	Lamarck, 1822	(76)	CY

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