

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*, *Limnocois 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*, *Rhagovelis 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*, *Laccommimus pumilio* and *Copelatus yaguarete* added. *Suphisellus lineatus*, *S. neglectus* and *S. varians* range extended. *Hydrocanthus dibilis*, *H. marmoratus*, *Mesonotus 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 *Limnocois insularis* range extended.

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

September 2022 *Thermonectus basillaris*, *T. circumscriptus*, *T. margineguttatus*, *Hydrochus beeneni*, *H. biexcavatus*, *H. debilis*, *H. leei*, *H. mesoamericanus*, *H. obscurus*, *H. steineri* added. Hydrachnidia (Trombidiformes) added (27 genera in 14 families). Siphonuridae removed (no specimen available for validation)

This document reflects a consolidation of peer-reviewed literature and other records about the macroinvertebrate fauna recorded 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 for which specimens are available for validation. 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>quillieri</i>	Dodds, 1923	(3,5)	CY
<i>segeae</i>	McCafferty, 2008	(3,5,6)	CY
<i>Guajirulus</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)	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
Leptohyphidae		(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>Choroterpes</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)	

Ephemeroptera

Leptophlebiidae

Ulmeritoides (2) TO

Oligoneuriidae (1,2) CY,TO

Lachlania (2) TO

Polymitarcyidae

Campsurus (1,2) CY,TO

cuspidatus Eaton, 1871 (3,4) BZ

Anisoptera

Aeshnidae

Aeshna

williamsoniana Calvert, 1905 (10) CY

hesperaeschna ? (10) CY

Anax

amazili Burmeister, 1839 (10,11) CO,TO

concolor Brauer, 1865 (10) CO,CY

junius Drury, 1773 (10) CO,OW

Coryphaeschna

adnexa Hagen, 1861 (10) CO,OW

apeora Paulson, 1994 (10) CO

diaprya Paulson, 1994 (10) CO,BZ,CY

viriditas Calvert, 1952 (10) CO,OW,ST,TO

Gynacantha

auricularis Martin, 1909 (10) TO

helenga Williamson & Williamson, 1930 (10) CO,OW,CY

mexicana Selys, 1868 (10) CO,BZ,CY

nervosa Rambur, 1842 (10) CO,OW,BZ,CY,TO

Remartinia

secreta Calvert, 1952 (10) CO,CY

Rhionaeschna

psilus Calvert, 1947 (10) CY

Staurophlebia

reticulate Burmeister, 1839 (10) TO

Triacanthagyna

carribea Williamson, 1923 (10) CO,OW, CY

ditzleri Williamson, 1923 (8)

satyrus Martin, 1909 (10) OW,TO

septima Selys, 1857 (10) CO,CY,ST,TO

Gomphidae

Agriogomphus

tumens Calvert, 1905 (2) TO¹

Aphylla

angustifolia Garrison, 1986 (10) CO,OW,CY,ST,TO

protracta Hagen, 1859 (10) CO,OW

Epigomphus

maya Donnelly, 1989 (10) CY,ST

Erpetogomphus

eutainia Calvert, 1905 (10) TO

leptophis Garrison, 1994 (10) TO

ophibolus Calvert, 1905 (10) OW,CY,ST,TO

Taxon

References

Belize Distribution

Anisoptera

¹ Confirmed A. Ramirez

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>Elasmothermis</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>sempronia</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>collopiastes</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>paulitoeyaca</i>	Calvert, 1931	(14)
Polythoridae			
<i>Cora</i>			
	<i>marina</i>	Selys, 1868	(10) CY,TO
Protoneuridae ²			
<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

² Protoneuridae reclassified as Coenagrionidae (80)

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
Ecnomidae			
<i>Austrotinoides</i>		(2)	TO
<i>freytagi</i>	Flint & Denning, 1989	(20)	
Glossosomatidae			
<i>Protoptila</i>		(2)	TO ³
<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 ⁴
<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

³ Confirmed M. Springer

⁴ Confirmed M. Springer

Taxon		References	Belize Distribution
Trichoptera			
Hydroptilidae		(1,2)	CY,TO
<i>Ochrotrichia</i>			
<i>blanca</i> ⁵	Bueno-Soria & Santiago-Fragoso, 1997	(24)	CY
<i>hondurenia</i> ⁶	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> ⁷	Bueno-Soria, 1990	(28)	
<i>kingsolveri</i> ⁸	Bueno-Soria, 1990	(28)	
<i>Cernotina</i>			
<i>zancлана</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

⁵ 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)

⁶ 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)

⁷ Re-described in the *Polyplectropus santiago* Group near *Polyplectropus oaxaquensis* (Bueno-Soria) and *Polyplectropus banksianus* (Flint) by Chamorro & Holzenthal, 2010, Zootaxa 2582.

⁸ Re-described in the *Polyplectropus bredini* Group near *Polyplectropus mignona* (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>Mesovelis</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 ⁹
<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

⁹ 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>Laccomimus</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>Thermonectus</i>			
<i>basillaris</i>	Harris, 1829	(50)	CY,TO
<i>circumscriptus</i>	Latreille, 1809	(50)	BZ,CY,TO
<i>marginoguttatus</i>	Aube, 1838	(50)	BZ,ST,TO
<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	(42,51)	OW?,BZ?,CY?,ST?,TO

Taxon		References	Belize Distribution
Coleoptera			
Elmidae			
<i>Phanocerus</i>			
<i>clavicornis</i>	Sharp, 1882	(37,42,51)	OW,BZ?,CY,ST?,TO
<i>conger</i>	Grouvelle, 1898	(42)	CY?,ST?,TO
<i>Stenhelmoides</i>			
<i>rufulus</i>	Hinton, 1934	(42,51)	BZ?CY?ST?TO?
<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
Hydrochidae			
<i>Hydrochus</i>			
<i>beeneni</i>	Makhan, 1992	(52)	OW,BZ,CY,ST
<i>biexcavatus</i>	Perkins, 2021	(52)	CY
<i>debilis</i>	Sharp, 1882	(52)	OW?,BZ,TO?
<i>leei</i>	Perkins, 2019	(52)	OW,BZ,CY,ST,
<i>mesoamericanus</i>	Perkins, 2021	(52)	CY
<i>obscurus</i>	Sharp, 1882	(52)	OW,CY,ST
<i>steineri</i>	Perkins, 2020	(52)	ST
Hydrophilidae		(1,2)	CY,TO
<i>Anacaena</i>			
<i>suturalis</i>	LeConte, 1866	(53)	CY
<i>Chaetarthria</i>		(30)	ST
<i>Enochrus</i>		(30)	ST
<i>pseudochraceus</i>	Gundersen, 1977	(54)	BZ,CY
<i>pygmaeus</i>	Say, 1824	(54)	BZ,CY
<i>sayi</i>	Gundersen, 1977	(54)	BZ,CY
<i>Helochares</i>			
<i>sallaei</i>		(54)	BZ
Limnichidae		(1,2)	CY,TO
<i>Byrrhinus</i>			
<i>amoenus</i>	Wooldridge, 1987	(55)	
<i>olibroides</i>	Sharp, 1902	(55)	
<i>panamensis</i>	Sharp, 1902	(55)	
<i>Eulimnichus</i>			
<i>ater</i>	LeConte, 1854	(55)	
<i>Limnichomorphus</i>			
<i>lutrochinus</i>	LeConte, 1879	(55)	
<i>Phalacrichus</i>			
<i>atomarius</i>	Sharp, 1902	(55)	
Lutrochidae			
<i>Lutrochus</i>	Erichson, 1847		
<i>vestitus</i>	Sharp, 1882	(42)	OW?,BZ?,CY,ST?,TO
new genus		(42)	CY
Microsporidae/Sphaeriusidae			
<i>Microsporus</i>		(30)	
Noteridae			
<i>Hydrocanthus</i>			
<i>debilis</i>	Sharp, 1882	(56)	ST,TO
<i>marmoratus</i>	Sharp, 1882	(56)	TO
<i>Mesonoterus</i>			
<i>laevicollis</i>	Sharp, 1882	(56)	ST,TO
<i>Notomicrus</i>			
<i>sharpi</i>	Balfour-Browne, 1939	(56)	BZ,TO

Taxon		References	Belize Distribution
Coleoptera			
Noteridae			
<i>Suphisellus</i>			
<i>insularis</i>	Sharp, 1882	(56)	ST,TO
<i>lineatus</i>	Horn, 1871	(56,57)	CY,TO
<i>neglectus</i>	Young, 1979	(56,57)	CY,ST
<i>nigrinus</i>	Aube, 1838	(56)	BZ,ST,TO
<i>varians</i>	Sharp, 1882	(57)	CY
Psephenidae			
<i>Belicinus</i>		(58)	
<i>rhomboideus</i>	Arce-Perez, Shepard & Moran, 2012	(58)	BZ,CY,TO
<i>Psephenops</i>			
<i>spiniparameri</i>	Arce-Perez & Novelo-Gutierrez, 2013	(59)	CY,TO
<i>shepardi</i>	Arce-Perez & Novelo-Gutierrez, 2013	(59)	BZ,CY,TO
Ptilodactylidae			
<i>Anchytarsus</i>	Guerin-Meneville, 1843	(1)	CY
<i>palpalis</i>	Champion, 1897	(42,60)	CY,TO
new species		(42)	CY
Scritidae			
Staphylinidae		(1,2)	CY,TO
		(2)	TO
Lepidoptera			
Crambidae			
		(1,2)	CY,TO
Diptera			
Athericidae			
		(1,2)	CY,TO
Blephariceridae			
		(1)	CY
Cecidomyiidae			
		(2)	TO
Ceratopogonidae ¹⁰			
<i>Culicicoides</i>		(2,61,62)	TO
<i>crepusularis</i>	Malloch, 1915	(62)	CY
Chironomidae			
		(1,2)	CY,TO
<i>Cladopelma</i>	Kieffer, 1921	(63)	CO
Culicidae ¹¹			
		(64)	
<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

¹⁰ 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.

¹¹ 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			
Simuliidae			
<i>Simulium</i>			
	<i>callidum</i>	Dyar & Shannon, 1927 (65)	CY,ST,TO
	<i>earlei</i>	Vargas, Martínez Palacios & Díaz Nájera, 1946 (65)	CY,ST
	<i>ganalesense</i>	Vargas, Martínez Palacios & Díaz Nájera, 1946 (65)	ST,TO
	<i>gonzalezi</i>	Vargas & Díaz Nájera, 1953 (65)	BZ,CY,ST,TO
	<i>haematopotum</i>	Malloch, 1914 (65)	BZ,CY,ST,TO
	<i>metallicum s.l.</i>	Bellardi, 1859 (65)	CY,ST,TO
	<i>mexicanum</i>	Bellardi, 1862 (65)	BZ,CY,ST
	<i>ochraceum</i>	Walker, 1861 (65)	CY
	<i>paynei</i>	Vargas, 1942 (66)	
	<i>pulverulentum</i>	Knab, 1915 (65)	CY,ST,TO
	<i>quadrivittatum</i>	Loew, 1862 (65)	BZ,CY,ST,TO
	<i>samboni</i>	Jennings, 1915 (65)	BZ,CY,ST,TO
	<i>tarsatum</i>	Macquart, 1846 (66)	
	<i>virgatum</i>	Coquillett, 1902 (65)	CY,ST,TO
Stratiomyidae		(2)	TO
Tabanidae ¹²		(67)	
Tipulidae		(2)	TO
Trombidiformes			
Arrenuridae			
	<i>Arrenurus</i>	Thon, 1900 (68)	BZ,ST
Aturidae			
	<i>Albia</i>	Thon, 1899 (68)	BZ
	<i>Aturus</i>	Kramer, 1875 (68)	ST
	<i>Neoaxona (Lamellaxona)</i>	Lundblad, 1936 (68)	ST
	<i>Polyaxonopsella</i>	Lundblad, 1943 (68)	ST
Frontipodopsidae			
	<i>Frontipodopsis</i>	Walter, 1919 (68)	ST
Hungarohydracaridae			
	<i>Stygarrenurus</i>	Cook, 1980 (68)	ST
Hydrodromidae			
	<i>Hydrodroma</i>	Koch, 1837 (68)	CY,ST
Hygrobatidae			
	<i>Atractidella</i>	Lundblad, 1936 (68)	ST
	<i>Atractides</i>	Koch, 1837 (68)	ST
	<i>Corticacarus</i>	Lundblad, 1936 (68)	CY,ST
	<i>Hygrobates</i>	Koch, 1837 (68)	BZ,CY,ST
	<i>Paraschizobates</i>	Lundblad, 1937 (68)	BZ,ST
Lebertiidae			
	<i>Lebertia</i>	Neuman, 1880 (68)	ST
Limnesiidae			
	<i>Limnesia</i>	Koch, 1836 (68)	BZ,CY,ST
	<i>Tubophorella</i>	K.O. Viets, 1978 (68)	ST
	<i>Neomamersa</i>	Lundblad, 1953 (68)	ST
Limnocharidae			
	<i>Rhyncholimnochares</i>	Lundblad, 1936 (68)	ST

¹² 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
Trombidiformes			
Mideopsidae			
<i>Neoxystonotus</i>	Wolcott, 1900	(68)	BZ
Rhynchohydracaridae			
<i>Clathrosperchon</i>	Lundblad, 1936	(68)	ST
<i>Santiagocarus</i>	Valdecasas, 2001	(68)	ST
Sperchontidae			
<i>Sperchon</i>	Kramer, 1877	(68)	ST
Torrenticolidae			
<i>Monatractides</i>	K. Viets, 1926	(68)	ST
<i>Neoatractides</i>	Lundblad, 1941	(68)	ST
<i>Torrenticola</i>	Piersig, 1896	(68)	BZ,ST
Unionicolidae			
<i>Koenikea</i>	Wolcott, 1900	(68)	ST
<i>Recifella</i>	K. Viets, 1935	(68)	BZ,CY,ST
Decapoda			
Atyidae		(2)	TO
<i>Potimirim</i>			
<i>mexicana</i>	de Saussure, 1857	(69)	BZ
Cambaridae			
<i>Procambarus</i>			
<i>clarkii</i>	Girard, 1852	(70)	
<i>pilosimanus</i>	Ortmann, 1906	(71)	
Palaemonidae		(2)	TO
<i>Macrobrachium</i>			
<i>catonium</i>	Hobbs & Hobbs, 1995	(72)	CY
Pseudothelphusidae			
<i>Typhlopseudothelphusa</i>			
<i>acanthochela</i>	Hobbs, 1986	(71)	CY
<i>Potamocarcinus</i>			
<i>aspoekorum</i>	Pretzmann, 1968	(73)	CY
Mollusca			
Bivalvia			
Sphaeriidae		(2)	TO
Unionidae		(2)	TO
Gastropoda			
Ampullariidae		(1,2)	CY, TO
<i>Pomacea</i>			
<i>belizensis</i>	Crosse & Fisher, 1888	(74)	?
<i>flagellata flagellata</i>	Say, 1827	(75)	OW
<i>flagellate livescens</i>	Reeve, 1856	(74)	?
Hydrobiidae			
<i>Pyrgophorus</i>			
<i>coronatus</i>	Pfeiffer, 1840	(75)	OW

Taxon		References	Belize Distribution
Mollusca			
Gastropoda			
Pachychilidae			
<i>Pachychilus</i>			
<i>corvinus</i>	Morelet, 1849	(76)	TO
<i>glaphyrus</i>	Morelet, 1849	(76)	TO
<i>indiorum</i>	Morelet, 1849	(76)	TO
<i>largillierti</i>	Phillipi, 1843	(76)	TO
sp. indet		(76)	TO
Physidae		(2)	TO
<i>Mexinauta</i>			
<i>princeps</i>	Phillipi, 1846	(74)	CO,OW
Planorbidae		(2)	TO
<i>Biomphalaria</i>			
<i>albicans</i>	Pfeiffer, 1848	(74)	BZ
<i>belizensis</i>	Crosse & Fischer, 1878	(74)	?
<i>havanensis</i>	Pfeiffer, 1839	(74)	BZ
<i>helophila</i>	Orbigny, 1835	(77)	BZ
<i>obstructa</i>	Morelet, 1849	(78)	BZ
<i>Drepanotrema</i>			
<i>anatinum</i>	Orbigny, 1835	(78)	BZ
<i>lucidum</i>	Pfeiffer, 1839	(78)	BZ
<i>Hebetancylus</i>			
<i>excentricus</i>	Morelet, 1851	(64)	
<i>Planorbella</i>			
<i>trivolis</i>	Say, 1817	(78)	BZ
Thiaridae			
<i>Melanoides</i>			
<i>tuberculata</i>	Muller, 1774	(2,79)	CY,ST,TO
<i>Tarebia</i>			
<i>granifera</i>	Lamarck, 1822	(79)	CY

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