

LONG-LIVED MACROINVERTEBRATE TAXA

The macroinvertebrate species listed below have been identified by Florida Department of Environmental Protection and other agencies and experts as being long-lived. Long-lived taxa require more than one year to complete their life cycles, therefore they are provide excellent inference of the overall historic as well as current health of the waterbody.

Order	Family	Genus	Species (Long-lived)	Synonyms
Decapoda			All families, genera and species	
Basommatophora	Lymnaeidae	<i>Fossaria</i>	All species	
Mesogastropoda	Ampulariidae	<i>Pomacea</i>	All species	
Veneroida	Corbiculidae	<i>Corbicula</i>	<i>Corbicula fluminea</i>	<i>Corbicula manilensis</i>
Unionoida	Unionidae		All genera and species	
Odonata	Aeshnidae	<i>Basiaeschna</i> <i>Boyeria</i>	<i>Basiaeschna janata</i> All species	
	Cordulegastridae		All species	
	Gomphidae	<i>Gomphus</i> <i>Haegenius</i> <i>Progomphus</i>	All species <i>Hagenius brevistylus</i> All species	<i>Gomphurus</i>
Odonata	Libellulidae	<i>Macromia</i> <i>Somatochlora</i> <i>Tetragoneuria</i>	All species All species All species	<i>Epitheca</i>
	Petaluridae	<i>Tachopteryx</i>	<i>Tachopteryx thoreyi</i>	
Plecoptera	Pteronarcidae	<i>Pteronarcys</i>	<i>Pteronarcys dorsata</i>	
	Leuctridae	<i>Leuctra</i>	All species	
	Peltoperlidae	<i>Tallaperla</i>	<i>Tallaperla cornelia</i>	
	Perlidae	<i>Acroneuria</i> <i>Agnetina</i> <i>Eccoptura</i> <i>Neoperla</i> <i>Paragnetina</i>	All species <i>Agnetina annulipes</i> <i>Eccoptura xanthenes</i> All species All species	<i>Acroneuria xanthenes</i>
	Perlodidae	<i>Clioperla</i> <i>Perlinella</i> <i>Isoperla</i>	<i>Clioperla clio</i> <i>Perlinella drymo</i> <i>Perlinella ephyre/zwicki</i> <i>Isoperla orata</i>	<i>Banksiana</i> <i>Banksiella</i> <i>Isoperla clio</i> <i>Atoperla ephyre</i>
Megaloptera	Corydalidae		All genera and species	
Trichoptera	Brachycentridae	<i>Brachycentrus</i> <i>Micrasema</i>	<i>Brachycentrus americanus</i> All species	<i>Oligoplectrum americanum</i>
	Calamoceratidae	<i>Heteroplectron</i>	<i>Heteroplectron americanum</i>	
	Hydropsychidae	<i>Diplectrona</i> <i>Macrostemum</i>	<i>Diplectrona modesta</i> <i>Macrostemum carolina</i>	<i>Macronema carolina</i> <i>Macronemum carolina</i>

Order	Family	Genus	Species (Long-lived)	Synonyms
Trichoptera	Lepidostomidae	<i>Lepidostoma</i>	All species	<i>Alepomyia</i> <i>Alepomyiodes</i> <i>Arcadopsyche</i> <i>Atomyia</i> <i>Jenortha</i> <i>Mormomyia</i> <i>Neuropsyche</i> <i>Nosopus</i> <i>Notiopsyche</i> <i>Olemira</i> <i>Oligopsyche</i> <i>Phanopsyche</i> <i>Pristosilo</i> <i>Athripsodes</i>
	Leptoceridae	<i>Ceraclea</i>	All species	
	Limnephilidae	<i>Ironoquia</i>	<i>Ironoquia punctatissima</i>	
		<i>Pycnopsyche</i>	All species	
	Molannidae	<i>Molanna</i>	All species	
	Phryganeidae	<i>Banksiola</i>	<i>Banksiola concatenata</i>	<i>Neuronia concatenata</i>
		<i>Ptilostomis</i>	<i>Ptilostomis postica</i>	<i>Neuronia postica</i>
		<i>Agrypnia</i>	<i>Agrypnia vestita</i>	
	Psychomyiidae	<i>Lype</i>	<i>Lype diversa</i>	
	Rhyacophilidae	<i>Rhyacophila</i>	All species	
Uenoidae	<i>Neophylax</i>	All species		

Table has been excerpted from Florida Department of Environmental Protection document DEP-SOP - 002/01, LT 7000 Determination of Biological Indices, and LT7100 Determination: Revised 1-February 2004.