

Little Tennessee River Basin Mollusk List

Mussels and snails found in the Little Tennessee River Basin

Compiled by Little Tennessee Native Fish Conservation Partnership, 2018



Note: this provisional list was developed from collection records from Little Tennessee Native Fish Conservation partners and those from Parmalee and Hughes (1993) and Parmalee and Klipell (1984). It only includes species with records that are ≤ 40 years old. It is unknown if some species collected from backwater areas by Parmalee et. al. are recent invaders, but all species native to the eastern United States included in those publications that were found within the basin were assumed native to the basin for this list.

Mussels

Common name	Scientific name	Scientific name per Williams et al (2017)	Native	Non-native	Conservation Status
Appalachian Elktoe	<i>Alasmidonta raveneliana</i>		X		E
Slippershell Mussel	<i>Alasmidonta viridis</i>		X		NC-E
Giant Floater	<i>Anodonta grandis</i>	<i>Pyganodon grandis</i>	X		
Paper Pondshell	<i>Anodonta imbecillis</i>	<i>Utterbacia imbecillis</i>	X		
Flat Floater	<i>Anodonta suborbiculata</i>	<i>Utterbackiana suborbiculata</i>	X		
Asian clam	<i>Corbicula fluminea</i>			X	
Zebra mussel	<i>Dreissena polymorpha</i>			X	
Elephantear	<i>Elliptio crassidens</i>		X		
Spike	<i>Elliptio dilatata</i>	<i>Euryntia dilatata</i>	X		NC-SC
Tennessee Pigtoe	<i>Fusconaia barnesiana</i>	<i>Pleuroaia barnesiana</i>	X		NC-E
Long-solid	<i>Fusconaia subrotunda</i>		X		NC-SR
Wavy-rayed Lampmussel	<i>Lampsilis fasciola</i>		X		NC-SC
Pocketbook	<i>Lampsilis ovata</i>		X		
White Heelsplitter	<i>Lasmigona complanata</i>		X		
Tennessee Heelsplitter	<i>Lasmigona holstonia</i>		X		TN-R
Fragile Papershell	<i>Leptodea fragilis</i>		X		
Cumberland moccasinshell	<i>Medionidus conradicus</i>		X		
Littlewing Pearlymussel	<i>Pegias fabula</i>		X		E
Tennessee Clubshell	<i>Pleurobema oviforme</i>		X		NC-E, TN-R
Threehorn Wartyback	<i>Obliquaria reflexa</i>		X		
Pink Heelsplitter	<i>Potamilus alatus</i>		X		
Pink Papershell	<i>Potamilus ohioensis</i>		X		
Fluted Kidneyshell	<i>Ptychobranthus subtentum</i>		X		NC-E, TN-R

Key to conservation status

Federal designations: E – Fed = endangered; C – Fed = Endangered species list candidate; T – Fed = threatened

State designations for states where the fish occurs:

Tennessee designations: E – TN = Endangered; D – TN = Deemed to be in Need of Management; R = Rare

North Carolina designations: T – NC = Threatened; SR – NC = Significantly rare; SC – NC = Special concern

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Kidneyshell	<i>Ptychobranthus fasciolaris</i>		X		
Pimpleback	<i>Quadrula pustulosa</i>	<i>Cyclonaias pustulosa</i>	X		
Creeper	<i>Strophitus undulatus</i>		X		
Purple Lilliput	<i>Toxolasma lividus</i>	<i>Toxolasma lividum</i>	X		TN-R
Lilliput	<i>Toxolasma parvus</i>	<i>Toxolasma parvum</i>	X		
Fawnsfoot	<i>Truncilla donaciformis</i>		X		
Deertoe	<i>Truncilla truncata</i>		X		
Rainbow	<i>Villosa iris</i>		X		NC-SC
Mountain Creekshell	<i>Villosa vanuxemensis</i>		X		

Snails

Common name	Scientific name	Native	Non-native	Conservation Status
Pointed Campeloma	<i>Campeloma decisum</i>	X		
Sprite Elimia	<i>Elimia proxima</i>	X		
Fragile Ancyloid	<i>Ferrissia fragilis</i>	X		
Two-ridged Rams-horn	<i>Helisoma anceps</i>	X		
Pagoda Hornsnail	<i>Pleurocera uncialis</i>	X		

References

- Parmalee, P.W. & M.H. Hughes. 1993. Freshwater mussels (Mollusca: Pelecypoda: Unionidae) of Tellico Lake: twelve years after impoundment of the Little Tennessee River. *Annals of Carnegie Museum* 62(1): 81-93.
- Parmalee, P.W. & W.L. Klippel. 1984. The naiad fauna of the Tellico River, Monroe County, TN. *American Malacological Bulletin* 3(1): 31-44.
- Williams, J.D, A.E. Bogan, R.S Butler, K.S. Cummings, J.T. Garner, J.L. Harris, N.A. Johnson, G.T. Watters. 2017. A revised list of the freshwater mussels (Mollusca: Bivalvia: Unionida) of the United States and Canada. *Freshwater Mollusk Biology and Conservation* 20:33–58.

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