

Class Collembola -- Springtails and Snow Fleas (141 species)

This list is based on North Carolina records from Brimley (1938), Wray (1967), iDIGBIO (accessed March, 2020); and BISON (accessed March, 2020). Species names and higher taxa nomenclature come from Bellinger et al. (Collembola.org, accessed March, 2020). Species that could not be matched to the names in that source are excluded, as are a few additional species not mapped as occurring in eastern North America.

Order Entomobryomorpha

Superfamily Entomobryoidea

Family Entomobryidae

Subfamily Entomobryinae

Species	High Mountains	Low Mountains	Piedmont	Coastal Plain
<i>Entomobrya assuta</i>		+	+	+
<i>Entomobrya bicolor</i>			+	
<i>Entomobrya decemfasciata</i>	+			
<i>Entomobrya ligata</i>			+	
<i>Entomobrya unostrigata</i>			+	
<i>Entomobryoides mineola</i>			+	+
<i>Entomobryoides purpurascens</i>				+
<i>Sinella hoffmani</i>			+	

Subfamily Lepidocyrtinae

Species	High Mountains	Low Mountains	Piedmont	Coastal Plain
<i>Lanocyrtus beaucatcheri</i>		+	+	+
<i>Lanocyrtus cyaneus</i>		+	+	+
<i>Lepidocyrtus cinereus</i>			+	
<i>Lepidocyrtus curvicolis</i>		+	+	+
<i>Lepidocyrtus helenae</i>			+	
<i>Lepidocyrtus neofasciatus</i>				+
<i>Lepidocyrtus paradoxus</i>			+	
<i>Lepidocyrtus unifasciatus</i>		+	+	+
<i>Pseudosinella alba</i>		+	+	+
<i>Pseudosinella candida</i>		+	+	
<i>Pseudosinella gisini</i>			+	
<i>Pseudosinella rolfsi</i>		+	+	
<i>Pseudosinella violenta</i>		+	+	+

Subfamily Seirinae

Species	High Mountains	Low Mountains	Piedmont	Coastal Plain
<i>Seira steinmetzi</i>			+	

Subfamily Willowsiinae

Species	High Mountains	Low Mountains	Piedmont	Coastal Plain
<i>Willowsia buski</i>		+	+	
<i>Willowsia nigromaculata</i>			+	

Family Orchesellidae

Subfamily Orchesellinae

Species	High Mountains	Low Mountains	Piedmont	Coastal Plain
<i>Orchesella ainsliei</i>		+	+	+
<i>Orchesella albosa</i>		+	+	+
<i>Orchesella carneiceps</i>	+	+	+	+
<i>Orchesella celsa</i>				+
<i>Orchesella cincta</i>		+		
<i>Orchesella hexfasciata</i>			+	

Family Paronellidae

Subfamily Paronellinae

Species	High Mountains	Low Mountains	Piedmont	Coastal Plain
<i>Cyphoderus similis</i>		+		

Subfamily Salininae

Species	High Mountains	Low Mountains	Piedmont	Coastal Plain
<i>Salina banksi</i>			+	

Superfamily Isotomoidea

Family Isotomidae

Subfamily Anurophorinae

Species	High Mountains	Low Mountains	Piedmont	Coastal Plain
<i>Dagamaea tenuis</i>				+
<i>Folsomia elongata</i>		+	+	
<i>Folsomia fimetaria</i>		+	+	
<i>Folsomia highlandia</i>	+			
<i>Folsomia nivalis</i>			+	
<i>Folsomia prima</i>			+	
<i>Folsomia quadrioculata</i>			+	
<i>Folsomia sexoculata</i>				+
<i>Hemisotoma thermophila</i>				+
<i>Isotomiella minor</i>		+	+	
<i>Micrisotoma achromata</i>	+			
<i>Tetracanthella ethelae</i>	+		+	

Subfamily Isotominae

Species	High Mountains	Low Mountains	Piedmont	Coastal Plain
<i>Desoria albella</i>				+
<i>Desoria trispinata</i>			+	+
<i>Heteroisotoma carpenteri</i>				+
<i>Hydroisotoma schaefferi</i>		+		
<i>Isotoma acrea</i>				+
<i>Isotoma subviridis</i>			+	
<i>Isotoma viridis</i>		+	+	
<i>Isotomurus palustris</i>			+	+
<i>Parisotoma notabilis</i>			+	+
<i>Parisotoma tariva</i>			+	
<i>Pseudisotoma sensibilis</i>			+	

Subfamily Proisotominae

Species	High Mountains	Low Mountains	Piedmont	Coastal Plain
<i>Ballistura vernoga</i>			+	
<i>Clavisotoma laticauda</i>			+	
<i>Folsomides parvulus</i>		+	+	
<i>Folsomina onychiurina</i>			+	+

Superfamily Tomoceroidea

Family Oncopoduridae

Species	High Mountains	Low Mountains	Piedmont	Coastal Plain
<i>Harlomillsia oculata</i>		+	+	+

Family Tomoceridae

Subfamily Tomocerinae

Species	High Mountains	Low Mountains	Piedmont	Coastal Plain
<i>Pogonognathellus bidentatus</i>			+	
<i>Pogonognathellus palespeciesgroup</i>		+	+	+
<i>Tomocerina lamellifera</i>		+	+	+
<i>Tomocerus minor</i>			+	
<i>Tomocerus vulgaris</i>		+	+	+

Order Neelipleona

Family Neelidae

Species	High Mountains	Low Mountains	Piedmont	Coastal Plain
<i>Megalothorax incertus</i>		+	+	+
<i>Neelides minutus</i>		+	+	

Order Poduromorpha

Superfamily Hypogastruroidea

Family Hypogastruridae

Species	High Mountains	Low Mountains	Piedmont	Coastal Plain
<i>Ceratophysella armata</i>		+	+	+
<i>Ceratophysella hermosa</i>	+			
<i>Ceratophysella jondavi</i>			+	
<i>Hypogastrura brevispina</i>				+
<i>Hypogastrura copiosa</i>			+	
<i>Hypogastrura harveyi</i>	+	+	+	
<i>Hypogastrura humi</i>		+		
<i>Hypogastrura ireneae</i>				+
<i>Hypogastrura matura</i>			+	
<i>Hypogastrura nivicola</i>		+		
<i>Hypogastrura packardi</i>		+		
<i>Hypogastrura perplexa</i>		+	+	+
<i>Xenylla grisea</i>			+	

Superfamily Neanuroidea

Family Brachystomellidae

Species	High Mountains	Low Mountains	Piedmont	Coastal Plain
<i>Brachystomella stachi</i>		+		

Family Neanuridae

Subfamily Frieseinae

Species	High Mountains	Low Mountains	Piedmont	Coastal Plain
<i>Friesea claviseta</i>		+	+	
<i>Friesea oxfordi</i>			+	
<i>Friesea pentacantha</i>			+	

Subfamily Morulininae

Species	High Mountains	Low Mountains	Piedmont	Coastal Plain
<i>Morulina callowayia</i>		+		
<i>Morulina crassa</i>		+		

Subfamily Neanurinae

Species	High Mountains	Low Mountains	Piedmont	Coastal Plain
<i>Americanura bara</i>				
<i>Lobella palmeri</i>	+			
<i>Neanura muscorum</i>		+	+	
<i>Paranura colorata</i>		+		
<i>Sensillanura caeca</i>			+	+

Subfamily Pseudachorutinae

Species	High Mountains	Low Mountains	Piedmont	Coastal Plain
<i>Anurida maritima</i>			+	+
<i>Anurida tullbergi</i>			+	
<i>Micranurida pygmaea</i>		+	+	
<i>Pseudachorutes aureofasciatus</i>				+
<i>Pseudachorutes complexus</i>		+		
<i>Pseudachorutes saxatilis</i>				+
<i>Pseudachorutes subcrassoides</i>			+	

Superfamily Onychiuroidea

Family Odontellidae

Species	High Mountains	Low Mountains	Piedmont	Coastal Plain
<i>Stachiomella oxfordia</i>			+	
<i>Superodontella cornifer</i>		+	+	
<i>Xenyllodes armatus</i>			+	

Family Onychiuridae

Subfamily Onychiurinae

Species	High Mountains	Low Mountains	Piedmont	Coastal Plain
<i>Heteraphorura subtenuis</i>		+	+	
<i>Hymenaphorura cocklei</i>		+		
<i>Paronychiurus ramosus</i>		+	+	

Family Tullbergiidae

Species	High Mountains	Low Mountains	Piedmont	Coastal Plain
<i>Mesaphorura iowensis</i>		+		
<i>Mesaphorura silvicola</i>		+		+

Order Symphypleona

Superfamily Katiannoidea

Family Arrhopalitidae

Species	High Mountains	Low Mountains	Piedmont	Coastal Plain
<i>Pygmarrhopalites benitus</i>		+	+	
<i>Pygmarrhopalites pygmaeus</i>		+		

Family Katiannidae

Species	High Mountains	Low Mountains	Piedmont	Coastal Plain
<i>Katiannina macgillivrayi</i>		+	+	+
<i>Polykatianna radicola</i>			+	
<i>Sminthurinus elegans</i>		+	+	
<i>Sminthurinus henshawi</i>		+		
<i>Sminthurinus niger</i>		+	+	
<i>Sminthurinus quadrimaculatus</i>			+	+
<i>Vesicephalus longisetis</i>		+	+	

Superfamily Dicyrtomoidea

Family Dicyrtomidae

Subfamily Dicyrtominae

Species	High Mountains	Low Mountains	Piedmont	Coastal Plain
<i>Dicyrtoma aurata</i>			+	
<i>Dicyrtoma hageni</i>			+	+
<i>Dicyrtoma mithra</i>			+	
<i>Dicyrtoma ochreoa</i>			+	
<i>Dicyrtoma vinalis</i>				+

Subfamily Ptenothricinae

Species	High Mountains	Low Mountains	Piedmont	Coastal Plain
<i>Bothriovulsus pineolae</i>		+		
<i>Ptenothrix curvilineata</i>			+	+
<i>Ptenothrix marmorata</i>		+	+	+
<i>Ptenothrix unicolor</i>	+		+	+

Superfamily Sminthuridoidea

Family Sminthurididae

Species	High Mountains	Low Mountains	Piedmont	Coastal Plain
<i>Sminthurides aquaticus</i>		+	+	
<i>Sminthurides globocerus</i>		+		
<i>Sminthurides lepus</i>		+	+	
<i>Sminthurides malmgreni</i>			+	
<i>Sminthurides occultus</i>		+		
<i>Sphaeridia pumilis</i>		+	+	
<i>Sphaeridia serrata</i>		+		

Superfamily Sminthuroidea

Family Bourletiellidae

Species	High Mountains	Low Mountains	Piedmont	Coastal Plain
<i>Bourletiella hortensis</i>		+	+	
<i>Pseudobourletiella spinata</i>				+

Family Sminthuridae
Subfamily Sminthurinae

Species	High Mountains	Low Mountains	Piedmont	Coastal Plain
<i>Janusius sylvestris</i>			+	
<i>Sminthurus adamsi</i>	+			
<i>Sminthurus fitchi</i>		+	+	
<i>Sminthurus virginidari</i>				+
<i>Sminthurus yonahlosee</i>		+		

Subfamily Sphyrothecinae

Species	High Mountains	Low Mountains	Piedmont	Coastal Plain
<i>Neosminthurus clavatus</i>		+	+	

Class Diplura -- Two-pronged Bristletails (7 species)

A checklist of the Diplurans occurring in North Carolina was obtained from Allen (2002).
Locality records for specific species come from Allen (1994) and BISON (accessed 2020-03).

Order Dicellurata

Superfamily Japygoidea

Family Japygidae

Subfamily Japyginae

Species	High Mountains	Low Mountains	Piedmont	Coastal Plain
<i>Metajapyx confectus</i>	+	+		
<i>Metajapyx folsomi</i>	+	+		
<i>Metajapyx steevesi</i>		+		
<i>Metajapyx subterraneus</i>				

Family Parajapygidae

Species	High Mountains	Low Mountains	Piedmont	Coastal Plain
<i>Parajapyx isabellae</i>				
<i>Parajapyx scalpellus</i>				

Order Rhabdura

Family Campodeidae

Subfamily Campodeinae

Species	High Mountains	Low Mountains	Piedmont	Coastal Plain
<i>Campodea morgani</i>			+	

Class Protura -- Coneheads (7 species)

North Carolina locality records were obtained from Allen (2007), BISON (accessed 2020-03), and iDIGBIO (accessed 2020-03). Higher taxa names are based on Szeptycki. (2007).

Order Eosentomata

Family Eosentomidae

Subfamily Isoentominae

Species	High Mountains	Low Mountains	Piedmont	Coastal Plain
<i>Eosentomon carolinae</i>		+		
<i>Eosentomon ewingi</i>		+		+
<i>Eosentomon pseudorostratum</i>		+		
<i>Eosentomon pseudoyosemitense</i>	+	+		
<i>Eosentomon pusillum f. ewingi</i>				+
<i>Styletoentomon rostratum</i>	+	+		
<i>Styletoentomon styletum</i>		+		

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List compiled by Stephen Hall, 6-April-2020