

REGIONAL FORESTER SENSITIVE ANIMALS - 10/05/2006

Maintenance Update January 10,2007

The following species occur within the proclamation boundaries of at least one Eastern Region (R9) National Forest and are either candidates for Federal listing under the Endangered Species Act (ESA), species delisted under ESA in the last five years, have global (G) or trinomial (T) or national (N) ranks of 1-3 by The Nature Conservancy (TNC) and Nature Serve or are considered sensitive by national forests based on Risk Evaluations.

KEY:

- R = species is designated as Regional Forester Sensitive
- + = species is present within proclamation boundaries but is not designated as Regional Forester Sensitive because not determined to be at risk
- EX = species is extirpated from the forest
- *R = risk evaluation needed due to rank change

Species have both a Global Rank (G) Trinomial (T) and a National Rank (N). The numeric ranks describe the status of the species:

- Species have both a Global (G) or Trinomial (subspecies) (T) and National Rank (N). The numeric ranks describe the status of the species:
- 1 = the species (or trinomial) is either globally or nationally critically imperiled
 - 2 = the species (or trinomial) is either globally or nationally imperiled
 - 3 = the species (or trinomial) is either rare or uncommon
 - 4 = the species (or trinomial) is either globally or nationally widespread, abundant, or apparently secure, but with cause for long-term concern
 - 5 = the species (or trinomial) is either globally or nationally demonstrably widespread, abundant, and secure
 - ? = the species (or trinomial) is either unranked or has a questionable rank
 - U = the species (or trinomial) is unrankable
 - H = the species (or trinomial) is historic
 - X = the species (or trinomial) is extinct
 - Q = the species (or trinomial) has questionable taxonomy according to TNC and ABI scientists

National Forest Codes:

- | | | |
|----------------------|-----------------------------|------------------------|
| SOUTHERN TIER | NEW ENGLAND/EASTERN: | LAKE STATES: |
| MI=Midwin | MO=Monongahela | HM=Huron Manistee |
| MT=Mark Twain | AL=Allegheny | HI=Hiawatha |
| SH=Shawnee | FL=Finger Lakes | OT=Ottawa |
| HO=Hoosier | GM=Green Mountain | CN=Chequamegon/Nicolet |
| WN=Wayne | WM=White Mountain | SU=Superior |
| | | CP=Chippewa |

Scientific Name	Common Name	GTRank	NRank	Criteria	MI	MT	SH	HO	WN	MO	AL	FL	GM	WM	HM	HI	OT	CN	SU	CP
MAMMALS																				
<i>Corynorhinus rafinesquii</i>	Rafinesques Big-eared Bat	G3G4	N3N4	GTN		EX	R	EX												
<i>Glaucomys sabrinus</i>	Nothern Flying Squirrel	G5	N5	RISK						+	R	+	+	+	+	+	+	+	+	+
<i>Lutra canadensis</i>	River Otter	G5	N5	RISK	EX	+	+	R	+	+	+		+	+	+	+	+	+	+	+
<i>Lynx rufus</i>	Bobcat	G5	N5	RISK	EX	+	+	R	R	+	+		+	+	+	+	+	+	+	+

<i>Scientific Name</i>	<i>Common Name</i>	<i>GTRank</i>	<i>NRank</i>	<i>Criteria</i>	MI	MT	SH	HO	WN	MO	AL	FL	GM	WM	HM	HI	OT	CN	SU	CP	
<i>Martes americana</i>	American Marten	G5	N5	RISK							EX		EX	+	R	+	+	R	+	+	
<i>Microtus chrotorrhinus carolinensis</i>	Southern Rock Vole	G4T3	N3	GTN						R											
<i>Myotis austroriparius</i>	Southeastern Myotis	G3G4	N3N4	GTN			R	EX													
<i>Myotis leibii</i>	Eastern Small-footed bat	G3	N3	GTN		R	R			R		R	R	R							
<i>Neotoma floridana</i>	Eastern Woodrat	G5	N5	RISK		+	R														
<i>Neotoma magister</i>	Allegheny Woodrat	G3G4	N3N4	RISK				R		R	EX										
<i>Nycticeius humeralis</i>	Evening Bat	G5	N5	RISK		+	+	R													
<i>Phenacomys intermedius</i>	Heather Vole	G5	N5	RISK																R	
<i>Pipistrellus subflavus</i>	Eastern Pipistrelle	G5	N5	RISK		+		+	+	+	+			+	R		R				
<i>Sorex palustris punctulatus</i>	Southern Water Shrew	G5T3	N3	GTN						R											
<i>Spermophilus franklinii</i>	Franklin's Ground Squirrel	G5	N5	RISK	R															+	
<i>Spilogale putorius</i>	Eastern Spotted Skunk	G5	N5	RISK		R				R									+	+	
<i>Synaptomys borealis sphagnicola</i>	Northern Bog Lemming	G4T3Q	N1	GTN										R						R	
<i>Taxidea taxus</i>	American Badger	G5	N5	RISK	EX			R								+	+	+	+	+	
<i>Ursus americanus</i>	Black Bear	G5	N5	RISK	EX	+		EX	R	+	+		+	+	+	+	+	+	+	+	
BIRDS																					
<i>Accipiter gentilis</i>	Northern Goshawk	G5	N4B,N4N	RISK						R	R	R	+	+	R	R	R	R	R	R	
<i>Aegolius funereus</i>	Boreal Owl	G5	N4	RISK										+						R	
<i>Aimophila aestivalis</i>	Bachman's Sparrow	G3	N3B,N3N	GTN		R	EX	EX	EX		EX										
<i>Ammodramus henslowii</i>	Henslow's Sparrow	G4	N3B,N4N	GTN	R		R	R	R	R		R			R						
<i>Ammodramus leconteii</i>	Le Conte's Sparrow	G4	N3B,N4N	GTN												R	+	R	R	R	
<i>Ammodramus nelsoni</i>	Nelson's Sharp-tailed Sparrow	G5	N3B,N5N	GTN																R	
<i>Ammodramus savannarum</i>	Grasshopper Sparrow	G5	N5B,N5N	RISK		+		+	+	+	+	+			R	+	+				

Scientific Name	Common Name	GTRank	NRank	Criteria	MI	MT	SH	HO	WN	MO	AL	FL	GM	WM	HM	HI	OT	CN	SU	CP
<i>Asio flammeus</i>	Short-eared Owl	G5	N5B,N5N	RISK	R		+	+	+			+			R	R				
<i>Asio otus</i>	Long-eared Owl	G5	N5B,N5N	RISK	+						+				R	+				+
<i>Bartramia longicauda</i>	Upland Sandpiper	G5	N5B	RISK	R	+						R			+	+	+	R	+	+
<i>Bonasa umbellus</i>	Ruffed Grouse	G5	N5	RISK		+		R	+	+	+			+	+	+	+	+	+	+
<i>Botaurus lentiginosus</i>	American Bittern	G4	N4B,N4N	RISK	R					+	+			+	R	+	+	+	+	+
<i>Buteo lineatus</i>	Red-shouldered Hawk	G5	N5B,N5N	RISK	+	+	+	+	+	+	+	+	+	+	R	R	R	R		R
<i>Caprimulgus vociferus</i>	Whip-poor-will	G5	N5B,NNR	RISK	+	+		+	+	+	+				R	+	+	+	+	+
<i>Catharus bicknelli</i>	Bicknell's Thrush	G4	N4B	RISK									R	R						
<i>Catharus ustulatus</i>	Swainson's Thrush	G5	N5B	RISK	+					+	+		+	+		+	+	R	+	+
<i>Chlidonias niger</i>	Black Tern	G4	N4B,NZN	RISK	+										R	R	R	R		R
<i>Circus cyaneus</i>	Northern Harrier	G5	N5B,N5N	RISK	R	+	+	+	+	+	+	R	+	+	R	+	+	+	+	+
<i>Contopus cooperi</i>	Olive-sided Flycatcher	G4	N4B	RISK	+					R			+	+	R	+	+	+	+	R
<i>Coturnicops noveboracensis</i>	Yellow Rail	G4	N3B,N4N	GTN											R	R		+	R	R
<i>Cygnus buccinator</i>	Trumpeter Swan	G4	N4B,N4N	RISK	EX										R	R	R	R		R
<i>Dendroica caerulescens</i>	Black-throated Blue Warbler	G5	N5B	RISK				+		+	+	+	+	+	+	+	+	+	+	R
<i>Dendroica castanea</i>	Bay-breasted Warbler	G5	N5B	RISK										+	+	+	+	+	+	R
<i>Dendroica cerulea</i>	Cerulean Warbler	G4	N4B	RISK	R	R	R	R	R	+	+				R		+	R		
<i>Dendroica discolor</i>	Prairie Warbler	G5	N5B,N?N	RISK		+	+	+	+	+					R	R				
<i>Dolichonyx oryzivorus</i>	Bobolink	G5	N5B	RISK	R		+	R		+	+	+			R	+	+	+	+	+
<i>Empidonax flaviventris</i>	Yellow-bellied Flycatcher	G5	N5B	RISK						+	R		+	+		+	+	+	+	+
<i>Euphagus carolinus</i>	Rusty Blackbird	G5	N4B,N4N	RISK	+						+		R	+			+		+	
<i>Falcapennis canadensis</i>	Spruce Grouse	G5	N5	RISK										+	R	+	R	R	+	R
<i>Falco columbarius</i>	Merlin	G5	N4B,N4N	RISK											R	+	+		+	

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<i>Falco peregrinus anatum</i>	American Peregrine Falcon	G4T3	N3B,N3N	GTN		+	EX			R			R	R		R	R		R	
<i>Gavia immer</i>	Common Loon	G5	N4B,N5N	RISK									R	R	R	R	R	+	+	+
<i>Ixobrychus exilis</i>	Least Bittern	G5	N5B,N5N	RISK	R										R			+		
<i>Lanius ludovicianus migrans</i>	Migrant Loggerhead Shrike	G4T3Q	N3B,N3N	GTN	R	R	R	R		R	EX			EX	R	R				
<i>Limnothlypis swainsonii</i>	Swainson's Warbler	G4	N4B	RISK		R	R													
<i>Melanerpes erythrocephalus</i>	Red-headed Woodpecker	G5	N5B,N5N	RISK	R	+	+	+	+	R	+	+	+		R	+	+	+	+	+
<i>Nycticorax nycticorax</i>	Black-crowned Night-heron	G5	N5B,N5N	RISK	+	+									R	R	+	+		
<i>Oporornis agilis</i>	Connecticut Warbler	G4	N3B	GTN											R	R	R	R	R	R
<i>Pandion haliaetus</i>	Osprey	G5	N5B,N4N	RISK	+	+	+	+	+	+	R	+	+	R	R	+	+	+	+	+
<i>Phalaropus tricolor</i>	Wilson's Phalarope	G5	N5B,NZN	RISK															+	R
<i>Picoides arcticus</i>	Black-backed Woodpecker	G5	N4	RISK									+	+	R	R	R	R	+	R
<i>Picoides tridactylus</i>	Three-toed Woodpecker	G5	N5	RISK										+						R
<i>Podilymbus podiceps</i>	Pied-billed Grebe	G5	N5B,N5N	RISK	+	+	+	+	+	+	+	+	+	R	+	+	+	+	+	+
<i>Pooecetes gramineus</i>	Vesper Sparrow	G5	N5B,N5N	RISK						R	+	+	+		+	+	+	+	+	+
<i>Rallus elegans</i>	King Rail	G4G5	N4N5B,N4N5N	RISK	R										R					
<i>Scolopax minor</i>	American Woodcock	G5	N5B,N5N	RISK	+	+		R	+	+	+	+	+	+	+	+		+	+	+
<i>Seiurus motacilla</i>	Louisiana Waterthrush	G5	N5B	RISK		+		+	+	+	+				R	+				
<i>Sterna caspia</i>	Caspian Tern	G5	N4N5B,N4N	RISK	+											R				
<i>Sterna hirundo</i>	Common Tern	G5	N5B,NZN	RISK												R				
<i>Strix nebulosa</i>	Great Gray Owl	G5	N4	RISK												+		+	R	R
<i>Tympanuchus phasianellus</i>	Sharp-tailed Grouse	G4	N4	RISK											R	R		R	R	R
<i>Tyto alba</i>	Barn Owl	G5	N5	RISK			+	R		+		+	+					+		+
<i>Vermivora chrysoptera</i>	Golden-winged Warbler	G4	N4B	RISK	+					R	+				R	+	+	+	+	+

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AMPHIBIANS																					
<i>Acris crepitans blanchardi</i>	Northern Cricket Frog	N5	G5	RISK	+			+	R												
<i>Ambystoma jeffersonianum</i>	Jefferson Salamander	G4	N4	RISK					+	+	+		R								
<i>Ambystoma laterale</i>	Blue-spotted Salamander	G5	N5	RISK									R		+	+	+			+	
<i>Aneides aeneus</i>	Green Salamander	G3G4	N3N4	RISK				R	R	R	+										
<i>Cryptobranchus alleganiensis</i>	Hellbender	G3G4	N3N4	RISK		R			R	R	+										
<i>Cryptobranchus allenganiensis bishopi</i>	Ozark Hellbender	T1Q	N1	GTN		R															
<i>Hemidactylium scutatum</i>	Four-toed Salamander	G5	N5	RISK	+	+	+	R	R	+	+	+	R	+	R	+	R	+	R	+	
<i>Hyla avivoca</i>	Bird-voiced Tree Frog	G5	N5	RISK			R														
<i>Pseudotriton montanus</i>	Mud Salamander	G5	N5	RISK					R	+											
<i>Rana blairi</i>	Plains Leopard Frog	G5	N5	RISK	R																
REPTILES																					
<i>Clemmys guttata</i>	Spotted Turtle	G5	N5	RISK											R						
<i>Clemmys insculpta (Glyptemys)</i>	Wood Turtle	G4	N4	RISK						R	R	+	R	R	R	+	R	R	R	+	
<i>Clemmys muhlenbergii</i>	Bog Turtle	G3	N3	GTN								R									
<i>Clonophis kirtlandii</i>	Kirtland's Snake	G2	N2	GTN				R													
<i>Crotalus horridus</i>	Timber Rattlesnake	G4	N4	RISK		+	R	R	R	R	R		EX	EX							
<i>Emydoidea blandingii</i>	Blanding's Turtle	G4	N4	RISK	R										R	R		+		R	
<i>Macrochelys temminckii</i>	Alligator Snapping Turtle	G3G4	N3N4	RISK		R	R														
<i>Nerodia erythrogaster neglecta</i>	Northern Copperbelly water snake	G5T2T3	N2N3	GTN			R														
<i>Sistrurus catenatus catenatus</i>	Eastern Massasauga	G3G4T3T4	N3N4	GTN											R						
<i>Terrapene carolina carolina</i>	Eastern Box Turtle	G5T5	N5	RISK			+	+	+	+					R						
FISH																					
<i>Acipenser fulvescens</i>	Lake Sturgeon	G3G4	N3N4	RISK			+	R			EX				*R	R	R	R	R		

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<i>Amblyopsis spelaea</i>	Northern Cavefish	G4	N4	GTN				R												
<i>Ammocrypta pellucida</i> (= <i>Etheostoma pellucidum</i>)	Eastern Sand Darter	G3	N3	GTN				R	R											
<i>Clinostomus elongatus</i>	Redside Dace	G4	N4	RISK						R	+				R		R	+		
<i>Coregonus artedii</i>	Cisco Or Lake Herring	G5	N4	RISK											R	+	+		+	+
<i>Coregonus zenithicus</i>	Shortjaw Cisco	G3	N3	GTN											+					R
<i>Crystallaria</i> (= <i>Ammocrypta</i>) <i>asprella</i>	Crystal Darter	G3	N3	GTN		R														
<i>Cycleptus elongatus</i>	Blue Sucker	G3G4	N3	GTN		R		+			EX									
<i>Erimystax x-punctatus</i>	Gravel Chub	G4	N4	RISK							R									
<i>Erimyzon sucetta</i>	Lake Chubsucker	G5	N5	RISK					R											
<i>Etheostoma camurum</i>	Bluebreast Darter	G4	N4	RISK			+	+		+	R	+								
<i>Etheostoma maculatum</i>	Spotted Darter	G2	N2	GTN				+			R									
<i>Etheostoma microperca</i>	Least Darter	G5	N5	GTN		+									+					R
<i>Etheostoma osburni</i>	Candy Darter	G3	N3	GTN						R										
<i>Etheostoma tippecanoe</i>	Tippecanoe Darter	G4	N4	GTN				EX			R									
<i>Ichthyomyzon bdellium</i>	Ohio Lamprey	G3G4	N3N4	RISK					R		+									
<i>Ichthyomyzon fossor</i>	Northern Brook Lamprey	G4	N4	RISK											+	+				R
<i>Ichthyomyzon greeleyi</i>	Mountain Brook Lamprey	G3G4	N3N4	RISK							R									
<i>Lepomis symmetricus</i>	Bantam Sunfish	G5	N5	RISK			R													
<i>Lota lota</i>	Burbot	G5	N5	RISK			+				R			+	+	+	+	+	+	+
<i>Margariscus margarita</i>	Pearl Dace	G5	N5	RISK						R	+				+	+				+
<i>Moxostoma carinatum</i>	River Redhorse	G4	N4	RISK							+				R	+				
<i>Moxostoma valenciennesi</i>	Greater Redhorse	G4	N4	RISK											*R	+		R		*R
<i>Notropis anogenus</i>	Pugnose Shiner	G3	N3	GTN											R			R		R

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<i>Notropis heterolepis</i>	Blacknose Shiner	G4	N4	RISK		R										+	+	+		+	+
<i>Notropis ozarcanus</i>	Ozark Shiner	G3	N3	GTN		R															
<i>Notropis sabiniae</i>	Sabine Shiner	G3	N3	GTN		R															
<i>Notropis scabriceps</i>	New River Shiner	G4	N4	RISK						R											
<i>Noturus eleutherus</i>	Mountain Madtom	G4	N4	RISK			+	+			R										
<i>Noturus stigmosus</i>	Northern Madtom	G3	N3	GTN			+	+			R										
<i>Pararhinichthys bowersi</i>	Cheat Minnow	G1G2Q	N1N2	GTN						R											
<i>Percina copelandi</i>	Channel Darter	G4	N4	RISK				R			R					R					
<i>Percina cymatotaenia</i>	Bluestripe Darter	G2	N2	GTN		R															
<i>Percina evides</i>	Gilt Darter	G4	N4	RISK							R										
<i>Percina gymnocephala</i>	Appalachian Darter	G4	N4	RISK						*R											
<i>Percina macrocephala</i>	Longhead Darter	G3	N3	GTN						+	R										
<i>Percina nasuta</i>	Longnose Darter	G3	N3	GTN		R															
<i>Percina shumardi</i>	River Darter	G5	N5	RISK												R					
<i>Percina uranidea</i>	Stargazing Darter	G3	N3	GTN		R															
<i>Phenacobius teretulus</i>	Kanawha Minnow	G3G4	N3N4	GTN						*R											
<i>Pimephales tenellus parviceps</i>	Eastern Slim Minnow	G4T2T3	N2N3	GTN		R															
MOLLUSKS																					
<i>Alasmidonta marginata</i>	Elktoe	G4	N4	RISK		+				R	+				R						
<i>Alasmidonta varicosa</i>	Brook Floater	G3	N3	GTN									R								
<i>Alasmidonta viridis</i>	Slippershell Mussel	G4G5	N4	RISK											R						
<i>Amblema plicata</i>	threeridge	G5	N5	RISK		+	+	+	+	+	R								+		+
<i>Catinella exile</i>	Land Snail	G2	N2	GTN												R					

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<i>Cumberlandia monodonta</i>	Spectacle Case	G2G3	N2N3	GTN		R															
<i>Cyprogenia aberti</i>	Western Fanshell	G2	N2	GTN		R															
<i>Elliptio dilatata</i>	Spike	G5	N5	RISK			R	+	+						R						
<i>Epioblasma triquetra</i>	Snuffbox	G3	N3	GTN			+	R		+	R				R			+		+	
<i>Euconulus alderi</i>	Land Snail	G3Q	N3	GTN												R					
<i>Fontigens tartarea</i>	Organ Cavesnail	G2	N2	GTN						R											
<i>Fusconaia flava</i>	Wabash Pigtoe	G5	N5	RISK			R		+		R										
<i>Fusconaia subrotunda</i>	Longsolid	G3	N3	GTN							R										
<i>Glyphyalinia cryptomphala</i>	Thin glyph	G5	N5	RISK				R													
<i>Lampsilis fasciola</i>	Wavyrayed Lampmussel	G5	N5	RISK				R			+										
<i>Lampsilis teres</i>	Yellow Sandshell	G5	N5	RISK				R													
<i>Lasmigona complanata</i>	White Heelsplitter	G5	N5	RISK	+		+	+	+	+	R							+	+	+	
<i>Lasmigona compressa</i>	Creek Heelsplitter	G5	N5	RISK	+		+		+	+	R		R		R		R	+	R	R	
<i>Lasmigona costata</i>	Fluted-shell Mussel	G5	N5	RISK				+			+				R			+		R	
<i>Lasmigona subviridis</i>	Green Floater	G3	N3	GTN						R		R			R						
<i>Ligumia recta</i>	Black Sandshell	G5	N5	RISK		+	+	R		+	+				R			+	R	R	
<i>Obovaria subrotunda</i>	Round Hickorynut	G4	N4	RISK				R	R												
<i>Patera laevior</i>	Smooth bladetooth	G4	N4	RISK				R													
<i>Planogyra asteriscus</i>	Eastern flat-whorl	G3G4	N3N4	RISK												R					
<i>Plethobasus cyphus</i>	Sheepnose	G3	N3	GTN			+	R	R	+	R										+
<i>Pleurobema cordatum</i>	Ohio Pigtoe	G3	N3	GTN				R													
<i>Pleurobema rubrum</i>	Pyramid Pigtoe	G2	N2	GTN				R													
<i>Pleurobema sintoxia</i>	Round Pigtoe	G4	N4	RISK		+	+	+	+		R							+		+	

Scientific Name	Common Name	GTRank	NRank	Criteria	MI	MT	SH	HO	WN	MO	AL	FL	GM	WM	HM	HI	OT	CN	SU	CP	
<i>Ptychobranthus occidentalis</i>	Ouachita Kidneyshell	G3G4	N3N4	RISK		R															
<i>Quadrula cylindrica</i>	Rabbitsfoot	G3T3	N3	GTN			+	R			R										
<i>Simpsonaias ambigua</i>	Salamander Mussel	G3	N3	GTN				R	R												
<i>Stenotrema (=Euchemotrema) hubrichti</i>	Carinate Pillsnail	G1	N1	GTN			R														
<i>Toxolasma lividus</i>	Purple Liliput	G2	N2	GTN		R	R	R		+											
<i>Toxolasma parvus</i>	Lilliput	G5	N5	RISK				R	R												
<i>Vallonia gracilicosta albula</i>	Snail	G4Q	N4	RISK												R					
<i>Venustaconcha ellipsiformis</i>	Ellipse	G3G4	N3N4	RISK	R	+									R			R			
<i>Vertigo bollesiana</i>	Delicate Vertigo	G3	N3	GTN						+						R	R	+	+		
<i>Vertigo meramecensis</i>	Bluff Vertigo	G2G3	N2N3	GTN		R															
<i>Vertigo morsei</i>	Six Whorl Vertigo	G2G3	N2N3	GTN												R					
<i>Vertigo paradoxa</i>	Mystery Vertigo	G2G4	N3	GTN												R	R	+	+		
<i>Villosa fabalis</i>	Rayed Bean	G1G2	N1N2	GTN			+			+	R							+			
<i>Villosa iris</i>	Rainbow Mussel	G5	N5	RISK						+	R							+	+		
<i>Villosa lienosa</i>	Little Spectaclecase	G5	N5	RISK		+		+	R												
INSECTS																					
<i>Aflexia rubranura</i>	Red-veined Prairie Leafhopper	G1G2	N?	GTN	R																
<i>Amblyscirtes belli</i>	Bell's Roadside Skipper	G3G4	N3N4	RISK				R													
<i>Ameletus browni</i>	A Mayfly	G3G4	N3	GTN										R							
<i>Ameletus tertius</i>	A Mayfly	G4	N2	GTN										R							
<i>Anax longipes</i>	Comet Darner	G5	N5	RISK		+	+	R										+	+		
<i>Appalachia arcana</i>	Michigan Bog Grasshopper	G2G3	N2N3	GTN											R						
<i>Arrhopalites ater</i>	A Cave Obligate Springtail	G1G2	N1N2	RISK				R													

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<i>Arrhopalites carolynae</i>	A Cave Springtail	G2G3	N2N3	GTN				R												
<i>Arrhopalites lewisi</i>	A Cave Obligate Springtail	G?	N?	GTN				R												
<i>Arrhopalites whitesidei</i>	Whiteside's Springtail	G?	N?	GTN		+		R												
<i>Atrytonopsis hianna</i>	Dusted Skipper	G4G5	N4N5	RISK			+	R		+					R				+	+
<i>Batrisodes krekeleeri</i>	Indiana Cave Ant Beetle	G1		GTN				R												
<i>Bittacus stigmaterus</i>	Eastern Woodland hangingfly			RISK		+	+	R		+		+							+	+
<i>Boloria chariclea montina (=Boloria titania montinus)</i>	White Mountain Fritillary	G5T2	N2	GTN											R					
<i>Boyeria grafiana</i>	Ocellated Darner	G5	N5	RISK						+	R			+						+
<i>Brachionycha borealis</i>	Boreal Fan Moth	G4	N?	RISK						R									+	
<i>Calephelis borealis (=Lephelsica Borealis)</i>	Northern Metalmark	G3G4	N3N4	RISK			+			R										
<i>Calephelis mutica</i>	Swamp Metalmark	G3	N3N4	RISK				R												
<i>Catocala dejecta</i>	Dejected Underwing	G4	N?	RISK			+	R		+									+	+
<i>Ceraclea vertreesi</i>	Verteree's Caddisfly	G3G4	N3N4	GTN																R
<i>Cicindela ancocisconensis</i>	A Tiger Beetle	G3	N3	GTN						R			R	R						
<i>Cicindela denikei</i>	Tiger Beetle Spp	G3G4	N?	RISK																R
<i>Cicindela patruela</i>	A Tiger Beetle	G3	N3	GTN						R										
<i>Cicindela purpurea</i>	Cow Path Tiger Beetle	G5	N5	RISK						R										
<i>Cicindela unipunctata</i>	One-spotted Tiger Beetle	G4	N4	RISK			+	R		+										
<i>Coenagrion resolutum</i>	Resolute damsel	G5	N5	RISK							R			+		+	+	+	+	+
<i>Cordulegaster obliqua</i>	Arrowhead Spiketail	G4	N4	RISK			+	R								+	+	+	+	+
<i>Cycnia inopinatus</i>	A Tiger Moth	G4	N?	RISK				R												
<i>Danella lita</i>	Crawling Mayfly	G5	N5	RISK	R															
<i>Dasychira dorsipennata</i>	A Tussock Moth	G4G5	N?	RISK				R												

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<i>Dichagyris (Mesembagrotis) reliqua</i>	A Noctuid Moth	G2G3	N?	RISK	R															
<i>Digrammia eremiata (=Semiothisa eremiata)</i>	Three-lined Angle Moth	G4	N?	RISK				R												
<i>Dorydiella kansana</i>	Kansas Preacher Leafhopper	G?	N?	GTN	+			R												
<i>Eacles imperialis pini</i>	The Imperial Moth	G5T3	N2N3	GTN											R					
<i>Erebia disa mancinus</i>	Mancinus Alpine	G5	N1	GTN																R
<i>Erebia discoidalis discoidalis</i>	Red-disked Alpine	G5T5	N1N2	GTN														+		R
<i>Eritettix simplex</i>	Velvet-striped grasshopper	G5	N5	RISK			+	R											+	
<i>Erynnis lucilius</i>	Columbine Duskywing	G4	N4	RISK			+			R									+	+
<i>Erynnis martialis</i>	Mottled Dusky Wing	G3G4	N3N4	RISK				R												
<i>Erynnis persius</i>	Persius Dusky Wing	G5T2T3	N2N3	RISK											R					
<i>Eucosma bipunctella</i>	A moth	G?	N?	RISK	+		+	R												
<i>Eutettix modestus</i>	A Leafhopper	G?	N?	RISK				R												
<i>Fitchella robertson</i>	Robertson's Elephant Hopper	G2G3		GTN				R												
<i>Flexamia reflexus</i>	A Leafhopper	G?	N?	GTN	+			R												
<i>Gomphus (=Phanogomphus) descriptus</i>	Harpoon Clubtail	G4	N4	RISK							R		+							
<i>Gomphus adelphus</i>	Mustached Clubtail	G4	N4	RISK							R		+			+	+			
<i>Gomphus fraternus</i>	Midland Clubtail	G5	N5	RISK				+		+	R					+	+			
<i>Gomphus quadricolor</i>	Rapids Clubtail	G3G4	N3N4	RISK			+		R	+	R							R	+	
<i>Gomphus viridifrons</i>	Green-faced Clubtail	G3	N3	GTN					R	+	R					R		R		+
<i>Hadena ectypa</i>	A Noctuid Moth	G3G4	N?	GTN							R									
<i>Haimbachia floralis</i>	A sedge moth	G?	N?	RISK				R												
<i>Helocordulia uhleri</i>	Uhler's Sandragon	G5	N5	RISK							R									
<i>Hesperia leonardus</i>	Leonard's Skipper	G4	N4	RISK		+	+	R		+									+	+

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<i>Hesperia metea</i>	Cobweb Skipper	G4	N4N5	RISK			+	R		R									+	+
<i>Hesperia ottoe</i>	Ottoe Skipper	G3G4	N3N4	GTN											R					
<i>Hypogastrura gibbosus</i>	A Springtail	G?	N?	GTN				R												
<i>Incisalia henrici</i>	Henry's Elfin	G5	N5	RISK											R			R		
<i>Incisalia irus</i>	Frosted Elfin	G3	N3	GTN											R					
<i>Isotoma anglica</i>	A Springtail	G?	N?	GTN				R												
<i>Isotoma truncata</i>	A Springtail	G?	N?	GTN				R												
<i>Lanthus vernalis</i>	Southern Pygmy Clubtail	G4	N4	RISK									R	+						
<i>Lepyronia gibbosa</i>	Hill-prairie Spittlebug	G3G4	N?	RISK											R					
<i>Leucania extincta</i>	A Moth	G4	N?	RISK				R												
<i>Lycaeides idas nabokovi</i>	Nabokov's (or Northern) Blue	G5TU	N1N3	GTN												R	R	R	R	
<i>Macrosteles potoria</i>	A leafhopper	G?	N?	RISK	R															
<i>Melampsalta calliope</i>	Little brown cicada	G?	N?	RISK				R												
<i>Melanoplus morsei</i>	A Spur-throat Grasshopper	G4?	N4?	RISK				R												
<i>Merope tuber</i>	Earwig Scorpionfly	G4	N?	RISK				R			+									
<i>Mesamia stramineus</i>	Helianthus Leafhopper	G?	N?	RISK			+	R												
<i>Neoconocephalus robustus</i>	Crepitating conehead	G?	N?	RISK		+		R								+		+		
<i>Oarisma powesheik</i>	Poweshiek Skipper	G2G3	N2N3	GTN											R					
<i>Ochrotrichia contorta</i>	Micro Caddisfly	G1	N1	RISK		R														
<i>Oeneis chryxus</i>	Chryxus Arctic	G5	N5	RISK											+			R		
<i>Oeneis jutta ascerta</i>	Jutta Arctic	G5T3T4	N2N3	GTN													+		R	
<i>Oeneis melissa semidae</i>	White Mountain Butterfly	G5T2	N2	GTN										R						
<i>Oncocnemis saundersiana</i>	A noctuid Moth	GNR	N?	RISK	R															

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<i>Onychiurus reluctus</i>	Glistening Springtail	G?	N?	GTN		+		R												
<i>Ophiogomphus (=Ophionurus) mainensis</i>	Maine Snaketail	G4	N4	RISK							R		+	+						
<i>Ophiogomphus anomalus</i>	Extra-striped Snaketail	G3	N3	GTN													+	R		
<i>Ophiogomphus howei</i>	Pygmy Snaketail	G3	N3	GTN													R	R		
<i>Ophiogomphus westfalli</i>	Westfall's snaketail	G3	N3	GTN		R														
<i>Papaipema astuta</i>	Yellow Stoneroot Borer	G2G4	N2N4	RISK				R												
<i>Papaipema beeriana</i>	Blazing Star Stem Borer	G2G3	N3	GTN	R			R												
<i>Papaipema eryngii</i>	Rattlesnake-master Borer Moth	G1G2	N1N2	GTN	R			EX												
<i>Papaipema marginidens</i>	A Borer Moth	G4	N4	RISK				R												
<i>Papaipema polymniae</i>	Polymnia Borer Moth	G4	N4	RISK			+	R												
<i>Papaipema rutila</i>	Mayapple Borer Moth	G4	N4	GTN				R												
<i>Papaipema sciata</i>	Culvers Root Borer	G3G4	N3N4	GTN	+										R					
<i>Parasa indetermina</i>	A Moth	G4	N?	RISK				R												
<i>Phyciodes batesii</i>	Tawny Crescent	G4	N3N4	RISK						EX					+			R	+	
<i>Pieris virginiana</i>	West Virginia White	G3G4	N3N4	RISK				R		+	R	R				+	R	R		
<i>Plusia venusta</i>	White-streaked Looper Moth	GNR	N?	RISK	R															
<i>Polyamia brevipennis</i>	Short-Winged Polyamia	G?	N?	RISK				R												
<i>Polyamia herbida</i>		G?	N?	GTN				R												
<i>Prairiana kansana</i>	Leafhopper	G?	N?	RISK				R												
<i>Proisotoma libra</i>	Free Springtail	G2		GTN				R												
<i>Pseudanopthalmus fuscus</i>	A Cave Beetle	G4	N4	GTN						R										
<i>Pseudanopthalmus hadenoecus</i>	Timber Ridge Cave Beetle	G1	N1	GTN						R										
<i>Pseudanopthalmus hypertrichosis</i>	A Cave Beetle	G5	N5	GTN						R										

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<i>Pseudanophthalmus illinoisensis</i>	Illinois Cave Beetle	G1	N1	GTN			R													
<i>Pseudanophthalmus montanus</i>	Dry Fork Valley Cave Beetle	G1	N1	GTN						R										
<i>Pseudanophthalmus tenuis stricticollis</i>	A Troglotic Ground Beetle	G3T1T2	N1N2	GTN				R												
<i>Pseudanophthalmus youngi youngi</i>	Young's Cave Ground Beetle	G2T1T2	N1N2	GTN				R												
<i>Pseudosinella argentea</i>	A Springtail	GNR	N?	RISK			R													
<i>Pseudosinella certa</i>	Gandy Creek Cave Springtail	G1	N1	GTN						R										
<i>Pseudosinella collina</i>	Hilly springtail	G?	N?	GTN				R												
<i>Pseudosinella espana</i>	A Springtail	G2G3	N2N3	GTN		R														
<i>Pseudosinella gisini</i>	A Springtail	G3G4	N3N4	GTN						R										
<i>Pygarctia spraguei</i>	Sprague's Pygarctic	G5	N?	RISK											R					
<i>Pyrausta laticlavata</i>	A Moth	G?	N?	RISK				R												
<i>Pyrgus centaureae freija</i>	Freija's Grizzled Skipper	G5T4T5	NU	RISK																R
<i>Pyrgus wyandot</i>	Southern Grizzled Skipper	G1G2	N1N2	GTN					R	R					R					
<i>Schinia indiana</i>	Phlox Moth	G2G4	N?	RISK											R					
<i>Schinia jaguarina</i>	Jaguar Flower Moth	G4	N?	RISK	R			R												
<i>Sinella agna</i>	A Springtail	G3G4	N3N4	GTN						R										
<i>Sinella alata</i>	Wingless Winged Cave Springtail	G5	N5	GTN				R												
<i>Somatochlora brevicincta</i>	Quebec Emerald	G3	N2	GTN																R
<i>Somatochlora elongata</i>	Ski-tailed Emerald Dragonfly	G5	N5	RISK						R			+	+		+	+	+		
<i>Somatochlora forcipata</i>	Forcipate Emerald	G5	N4	RISK						+			R	+		+	R	+		
<i>Somatochlora incurvata</i>	Warpaint Emerald	G4	N3	GTN										R		R				
<i>Spartiniphaga includens</i>	A Noctuid Moth	G4	N?	RISK	R															
<i>Spartiniphaga inops</i>	Spartina Borer Moth	G2G4	N?	RISK	+										R					

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<i>Speyeria diana</i>	Diana Fritillary	G3	N3	GTN		+				R											
<i>Speyeria idalia</i>	Regal Fritillary	G3	N3	GTN											R						
<i>Sphinx eremitus</i>	Hermit Sphinx Moth	G4	N4	RISK	R																
<i>Sphinx luscitiosa</i>	Clemen's Sphinx Moth	G4	N2N4	RISK	R																
<i>Stenonema bednariki</i>	A heptageniid mayfly	G2G4	N2N4	GTN		R															
<i>Stylurus scudderi</i>	Zebra Clubtail	G4	N3N4	RISK							R					+	+	+			
<i>Tachopteryx thoreyi</i>	Gray Petaltail	G4	N4	RISK		+							R								
<i>Tomocerus dubius</i>	A Springtail	G?	N?	GTN				R													
<i>Trimerotropis huroniana</i>	Lake Huron Locust	G2G3	N2N3	GTN											R	R					
<i>Williamsonia fletcheri</i>	Ebony Boghaunter	G4	N4	RISK										+		R	+				
<i>Williamsonia lintneri</i>	Ringed Boghaunter	G3	N3	GTN									R			R					
INVERTEBRATES																					
<i>Allocrangonyx hubrichti</i>	Central Missouri Cave Amphipod	G1	N1	GTN		R															
<i>Anahita punctulata</i>	Southeastern wandering spider	G4	N?	RISK				R													
<i>Apochthonius indianensis</i>	A pseudoscorpion	G3	N3	GTN				R													
<i>Apochthonius paucispinosus</i>	Dry Fork Valley Cave Pseudoscorpion	G1G2	N1N2	GTN						R											
<i>Caecidotea beattyi</i>	A Cave Obligate Isopod	G3G4	N3N4	GTN			R														
<i>Caecidotea cannula</i>	An Isopod	G2	N2	GTN						R											
<i>Caecidotea dimorpha</i>	An Isopod	G1G3	N1N3	GTN		R															
<i>Caecidotea holsingeri</i>	Holsinger's Cave Isopod	G3	N3	GTN						R											
<i>Caecidotea simonini</i>	An Isopod	G1	N1	GTN						R											
<i>Caecidotea sinuncus</i>	An Isopod	G1	N1	GTN						R											
<i>Cambarus nerterius</i>	An Underground Crayfish	G2G3	N2N3	GTN						R											

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<i>Cauloxenus stygius</i>	A Cave Obligate Copepod	G3	N3	GTN				R												
<i>Conotyia bollmani</i>	Bollman's Cave Millepede	G5	N5	GTN				R												
<i>Crangonyx barri</i>	Barr's Cave Amphipod	G2G3	N2N3	GTN				R												
<i>Crangonyx indianensis</i>	Indiana Cave Amphipod	G?	N?	RISK				R												
<i>Crangonyx packardi</i>	Packard's Cave Amphipod	G3	N3	GTN				R												
<i>Diacycops jeanneli jeanneli</i>	A cave obligae copepod	G3G4	N1N2	RISK				R												
<i>Erebomaster flavescens</i>	Golden Cave Harvestman	G1G2	N1N2	GTN				R												
<i>Ergodesmus remingtoni</i>	A Millipede	G1G2	N1N2	GTN			R													
<i>Gammarus bousfieldi</i>	Bousfield's Amphipod	G1	N?	GTN			R													
<i>Hesperochernes mirabilis</i>	Wonderful Pseudoscorpion	G3G4	N3N4	RISK				R												
<i>Kleptochthonius griseomanus</i>		G1		GTN				R												
<i>Kleptochthonius packardi</i>	A cave obligate pseudoscorpion	G3	N3	GTN				R												
<i>Macrocotyia hoffmasteri</i>	Hoffmaster's Cave Flatworm	G3G4	N3N4	GTN						R										
<i>Megacyclops donaldsoni</i>	Campground Cave Copepod	G3G4	N?	GTN				R												
<i>Nesticus carteri</i>	Carter's Cave Spider	G?	N?	GTN				R												
<i>Orconectes eupunctus</i>	Coldwater Crayfish	G2	N2	GTN		R														
<i>Orconectes indianensis</i>	Indiana Crayfish	G2G3	N2N3	GTN			R	+												
<i>Orconectes inermis inermis</i>	Northern Cave Crayfish	G4T3T4	N3N4	RISK				R												
<i>Orconectes kentuckiensis</i>	Kentucky Crayfish	G2	N2	GTN			R													
<i>Orconectes meeki</i>	A Crayfish	G4	N4	RISK		R														
<i>Orconectes peruncus</i>	Big Creek Crayfish	G2	N2	GTN		R														
<i>Orconectes placidus</i>	A Crayfish	G5	N5	RISK			R													
<i>Orconectes theoaphianensis</i>	Sinkhole crayfish	G?	N?	RISK				R												

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<i>Orconectes williamsi</i>	White River Midget Crayfish	G2	N2	GTN		R														
<i>Phagocata angusta</i>	A Cave Obligate Planarian	G1	N1	GTN						R										
<i>Porhomma cavernicola</i>	Cavernicolous Sheet-web Spider	G4G5	N4N5	GTN				R		+										
<i>Pseudocandona jeanneli</i>	Jeannel's cave ostracod	G1G2	N1N2	GTN				R												
<i>Pseudosinella fonsa</i>	A Cave Springtail	G3	N3N4	GTN				R												
<i>Pseudotremia fulgida</i>	Greenbrier Valley Cave Millipede	G4	N4	GTN						R										
<i>Pseudotremia indianae</i>	A cave obligate millipede	G4	N4	GTN				R												
<i>Pseudotremia lusciosa</i>	Germany Valley Cave Millipede	G1	N1	GTN						R										
<i>Pseudotremia princeps</i>	South Branch Valley Cave Millipede	G1	N?	GTN						R										
<i>Pseudotremia reynoldsae</i>	Reynolds' cave milliped	G1		GTN				R												
<i>Pseudotremia salisae</i>	A cave obligate millipede	G1G2	N1N2	GTN				R												
<i>Rheocyclops indiana</i>	Indiana groundwater copepod	G1		GTN				R												
<i>Sabacon cavernicolens</i>	Cavernicolous harvestman	G?	N?	GTN		R		R												
<i>Scytonotus granulatus</i>	Granulated Millipede	G5	N?	GTN				R												
<i>Spallopilana hubrichti</i>	Hubricht's cave flatworm	G?	N?	GTN			R													
<i>Sphalloplana culveri</i>	Culver's Planarium	G1	N1	GTN						R										
<i>Sphalloplana hubrichti</i>	Hubricht's cave flatworm	G2G4	N2N4	GTN			R													
<i>Sphalloplana weingartneri</i>	Weingartner's Cave flatworm	G3G4	N3N4	GTN				R												
<i>Stygobromus culveri</i>	Culver's Cave Amphipod	G1G2	N1N2	GTN						R										
<i>Stygobromus emarginatus</i>	Greenbrier Cave Amphipod	G3	N3	GTN						R										
<i>Stygobromus nanus</i>	Pocahontas Cave Amphipod	G1	N1	GTN						R										
<i>Stygobromus parvus</i>	Minute Cave Amphipod	G1G2	N1N2	GTN						R										
<i>Stygobromus subtilis</i>	Subtle Cave Amphipod	G2G3	N2N3	GTN			R													

<i>Scientific Name</i>	<i>Common Name</i>	<i>GTRank</i>	<i>NRank</i>	<i>Criteria</i>	MI	MT	SH	HO	WN	MO	AL	FL	GM	WM	HM	HI	OT	CN	SU	CP	
<i>Talanites echinus</i>	A gnaphosid spider	G?	N?	GTN				R													
<i>Trichopetalum krekeleri</i>	A Millipede	G1	N?	GTN						R											
<i>Trichopetalum weyeriensis</i>	Grand Caverns Blind Cave Millipede	G3Q	N3	GTN						R											
<i>Trichopetalum whitei</i>	Luray Caverns Blind Cave Millipede	G2G3Q	N2N3	GTN						R											

Regionwide Species Total 370

TOTAL NUMBER OF
RFSS ANIMALS ON
EACH FOREST

MI	MT	SH	HO	WN	MO	AL	FL	GM	WM	HM	HI	OT	CN	SU	CP
27	34	28	1E +0	21	61	39	8	17	14	69	32	22	26	26	24