

Appendix 4.28 Species list by taxonomic class for Tier I Conservation Areas.

Common name	Scientific name	GRank	SRank	# of observations in a Conservation Area			
				Total	Mississippi - Ohio Valley Plains	Southwestern Appalachian	Interior Low Plateau Karst
Fish	ACTINOPTERYGII						
Alabama Shad	<i>Alosa alabamae</i>	G3	S1	1	1		
Alligator Gar	<i>Atractosteus spatula</i>	G3	S1	4	4		
Ashy Darter	<i>Etheostoma cinereum</i>	G2	S3	56		55	1
Blackfin Sucker	<i>Thoburnia atripinnis</i>	G2	S2	2			2
Blackside Dace	<i>Phoxinus cumberlandensis</i>	G2	S2	24		24	
Blacktail Redhorse	<i>Moxostoma poecilurum</i>	G5	S1	6	6		
Bloodfin Darter	<i>Etheostoma sanguifluum</i>	G4	S4	23		23	
Blotched Chub	<i>Erimystax insignis</i>	G3	S1	4	1	2	1
Bluntnose Shiner	<i>Cyprinella camura</i>	G5	S1	25	25		
Brighteye Darter	<i>Etheostoma lynceum</i>	G5	S1	18	18		
Brown Madtom	<i>Noturus phaeus</i>	G4	S1	14	14		
Central Mudminnow	<i>Umbra limi</i>	G5	S2	26	26		
Cumberland Arrow Darter	<i>Etheostoma sagitta sagitta</i>	G3	S4	4		4	
Cypress Darter	<i>Etheostoma proeliare</i>	G5	S2	14	14		
Cypress Minnow	<i>Hybognathus hayi</i>	G5	S1	9	9		

Appendix 4.28 Continued.

Common name	Scientific name	GRank	SRank	# of observations in a Conservation Area			
				Total	Mississippi - Ohio Valley Plains	Southwestern Appalachian	Interior Low Plateau Karst
Dollar Sunfish	<i>Lepomis marginatus</i>	G5	S1	19	19		
Duskytail Darter	<i>Etheostoma percnurum</i>	G1	S1	8		8	
Emerald Darter	<i>Etheostoma baileyi</i>	G4	S4	32		32	
Firebelly Darter	<i>Etheostoma pyrrhogaster</i>	G2	S1	21	21		
Flathead Chub	<i>Platygobio gracilis</i>	G5	S1	2	2		
Frecklebelly Darter	<i>Percina stictogaster</i>	G4	S4	1			1
Golden Topminnow	<i>Fundulus chrysotus</i>	G5	S1	4	4		
Goldstripe Darter	<i>Etheostoma parvipinne</i>	G4	S1	7	7		
Gulf Darter	<i>Etheostoma swaini</i>	G5	S1	17	17		
Inland Silverside	<i>Menidia beryllina</i>	G5	S2	10	10		
Kentucky Darter	<i>Etheostoma rafinesquei</i>	G4	S4	52			52
Lake Chubsucker	<i>Erimyzon sucetta</i>	G5	S2	7	6		1
Lake Sturgeon	<i>Acipenser fulvescens</i>	G3	S1	4	3	1	
Least Madtom	<i>Noturus hildebrandi</i>	G5	S1	14	14		
Longhead Darter	<i>Percina macrocephala</i>	G3	S1	7			7
Northern Cavefish	<i>Amblyopsis spelaea</i>	G3	S3	9			9

Appendix 4.28 Continued.

Common name	Scientific name	GRank	SRank	# of observations in a Conservation Area			
				Total	Mississippi - Ohio Valley Plains	Southwestern Appalachian	Interior Low Plateau Karst
Northern Madtom	<i>Noturus stigmosus</i>	G3	S2	4	2		2
Olive Darter	<i>Percina squamata</i>	G3	S1	9		9	
Palezone Shiner	<i>Notropis albizonatus</i>	G2	S1	31		31	
Pallid Sturgeon	<i>Scaphirhynchus albus</i>	G1	S1	1	1		
Plains Minnow	<i>Hybognathus placitus</i>	G4	S1	1	1		
Redspotted Sunfish	<i>Lepomis miniatus</i>	G5	S2	13	13		
Relict Darter	<i>Etheostoma chienense</i>	G1	S1	22	22		
Sawfin Shiner	<i>Notropis sp. 4</i>	G4	S1	7		7	
Slender Madtom	<i>Noturus exilis</i>	G5	S1	2			2
Smallscale Darter	<i>Etheostoma microlepidum</i>	G2	S1	1			1
Southern Cavefish	<i>Typhlichthys subterraneus</i>	G4	S2	15		1	14
Splendid Darter	<i>Etheostoma barrenense</i>	G4	S4	16			16
Spotted Darter	<i>Etheostoma maculatum</i>	G2	S2	38			38
Stargazing Minnow	<i>Phenacobius uranops</i>	G4	S2	21		2	19
Starhead Topminnow	<i>Fundulus dispar</i>	G4	S1	2	2		
Stone Darter	<i>Etheostoma derivativum</i>	G4	S4	1			1

Appendix 4.28 Continued.

Common name	Scientific name	GRank	SRank	# of observations in a Conservation Area			
				Total	Mississippi - Ohio Valley Plains	Southwestern Appalachian	Interior Low Plateau Karst
Striped Darter	<i>Etheostoma virgatum</i>	G4	S4	57		57	
Swamp Darter	<i>Etheostoma fusiforme</i>	G5	S1	2	2		
Taillight Shiner	<i>Notropis maculatus</i>	G5	S2	10	10		
Western Sand Darter	<i>Ammocrypta clara</i>	G3	S1	2			2
Lamprey	CEPHALASPIDOMORPHI						
American Brook Lamprey	<i>Lampetra appendix</i>	G4	S2	4			4
Chestnut Lamprey	<i>Ichthyomyzon castaneus</i>	G4	S2	8	7		1
Mountain Brook Lamprey	<i>Ichthyomyzon greeleyi</i>	G3	S2	10		8	2
Mussel	BIVALVIA						
Bleufer	<i>Potamilus purpuratus</i>	G5	S1	6	6		
Butterfly	<i>Ellipsaria lineolata</i>	G4	S4	266	242	2	22
Catspaw	<i>Epioblasma obliquata obliquata</i>	G1	S1	5			5
Clubshell	<i>Pleurobema clava</i>	G2	S1	33	1		32
Cracking Pearlymussel	<i>Hemistena lata</i>	G1	S1	3			3
Cumberland Bean	<i>Villosa trabalis</i>	G1	S1	106		106	
Cumberland Elktoe	<i>Alasmidonta atropurpurea</i>	G1	S1	30		30	

Appendix 4.28 Continued.

Common name	Scientific name	GRank	SRank	# of observations in a Conservation Area			
				Total	Mississippi - Ohio Valley Plains	Southwestern Appalachian	Interior Low Plateau Karst
Cumberland Moccasinshell	<i>Medionidus conradicus</i>	G3	S4	21		20	1
Cumberland Papershell	<i>Anodontoides denigratus</i>	G1	S1	2		2	
Cumberlandian Combshell	<i>Epioblasma brevidens</i>	G1	S1	18		18	
Dromedary Pearlymussel	<i>Dromus dromas</i>	G1	S1	1	1		
Elephantear	<i>Elliptio crassidens</i>	G5	S4	99	67	7	25
Elktoe	<i>Alasmidonta marginata</i>	G4	S2	23		13	10
Fanshell	<i>Cyprogenia stegaria</i>	G1	S1	80	3		77
Fat Pocketbook	<i>Potamilus capax</i>	G1	S1	24	24		
Fluted Kidneyshell	<i>Ptychobranhus subtentum</i>	G2	S1	43		43	
Kentucky Creekshell	<i>Villosa ortmanni</i>	G2	S2	52		1	51
Little Spectaclecase	<i>Villosa lienosa</i>	G5	S3	21	3	5	13
Littlewing Pearlymussel	<i>Pegias fabula</i>	G1	S1	30		29	1
Longsolid	<i>Fusconaia subrotunda</i>	G3	S3	95	30		65
Mountain Creekshell	<i>Villosa vanuxemensis vanuxemensis</i>	G4	S2	1			1

Appendix 4.28 Continued.

Common name	Scientific name	GRank	SRank	# of observations in a Conservation Area			
				Total	Mississippi - Ohio Valley Plains	Southwestern Appalachian	Interior Low Plateau Karst
Northern Riffleshell	<i>Epioblasma torulosa rangiana</i>	G2	S1	7			7
Orangefoot Pimpleback	<i>Plethobasus cooperianus</i>	G1	S1	29	29		
Oyster Mussel	<i>Epioblasma capsaeformis</i>	G1	S1	5		5	
Pink Mucket	<i>Lampsilis abrupta</i>	G2	S1	32	15	1	16
Pocketbook	<i>Lampsilis ovata</i>	G5	S1	75	17	3	55
Purple Lilliput	<i>Toxolasma lividus</i>	G2	S1	14		13	1
Pyramid Pigtoe	<i>Pleurobema rubrum</i>	G2	S1	60	3		57
Rabbitsfoot	<i>Quadrula cylindrica cylindrica</i>	G3	S2	77	52		25
Rayed Bean	<i>Villosa fabalis</i>	G1	S1	2			2
Ring Pink	<i>Obovaria retusa</i>	G1	S1	18	12		6
Rough Pigtoe	<i>Pleurobema plenum</i>	G1	S1	54			54
Round Hickorynut	<i>Obovaria subrotunda</i>	G4	S4	32	1	7	24
Salamander Mussel	<i>Simpsonaias ambigua</i>	G3	S2	4			4
Scaleshell	<i>Leptodea leptodon</i>	G1	S1	1			1
Sheepnose	<i>Plethobasus cyphus</i>	G3	S1	69	26		43
Slabside Pearlymussel	<i>Lexingtonia dolabelloides</i>	G2	S1	1			1

Appendix 4.28 Continued.

Common name	Scientific name	GRank	SRank	# of observations in a Conservation Area			
				Total	Mississippi - Ohio Valley Plains	Southwestern Appalachian	Interior Low Plateau Karst
Slippershell Mussel	<i>Alasmidonta viridis</i>	G4	S4	20		9	11
Snuffbox	<i>Epioblasma triquetra</i>	G3	S1	27		2	25
Spectaclecase	<i>Cumberlandia monodonta</i>	G2	S1	23			23
Tan Riffleshell	<i>Epioblasma florentina walkeri</i>	G1	S1	6		6	
Tennessee Clubshell	<i>Pleurobema oviforme</i>	G3	S1	23		23	
Texas Lilliput	<i>Toxolasma texasiensis</i>	G4	S1	5	5		
Amphibian	AMPHIBIA						
Allegheny Mountain Dusky Salamander	<i>Desmognathus ochrophaeus</i>	G5	S4	2		2	
Barking Treefrog	<i>Hyla gratiosa</i>	G5	S3	2	1		1
Bird-voiced Treefrog	<i>Hyla avivoca</i>	G5	S3	13	12		1
Black Mountain Salamander	<i>Desmognathus welteri</i>	G4	S4	6		6	
Cumberland Plateau Salamander	<i>Plethodon kentucki</i>	G4	S4	5		5	
Eastern Hellbender	<i>Cryptobranchus alleganiensis alleganiensis</i>	G3	S3	9		1	8

Appendix 4.28 Continued.

Common name	Scientific name	GRank	SRank	# of observations in a Conservation Area			
				Total	Mississippi - Ohio Valley Plains	Southwestern Appalachian	Interior Low Plateau Karst
Four-toed Salamander	<i>Hemidactylium scutatum</i>	G5	S4	14		11	3
Gray Treefrog	<i>Hyla versicolor</i>	G5	S2	2			2
Green Salamander	<i>Aneides aeneus</i>	G3	S4	9		9	
Green Treefrog	<i>Hyla cinerea</i>	G5	S3	59	59		
Mole Salamander	<i>Ambystoma talpoideum</i>	G5	S3	10	9		1
Northern Crawfish Frog	<i>Rana areolata circulosa</i>	G4	S3	54	54		
Southern Leopard Frog	<i>Rana sphenoccephala</i>	G5	S5	48	28	3	17
Southern Zigzag Salamander	<i>Plethodon ventralis</i>	G4	S4	11		8	3
Streamside Salamander	<i>Ambystoma barbouri</i>	G4	S4	9	1	3	5
Three-lined Salamander	<i>Eurycea guttolineata</i>	G5	S2	3	3		
Three-toed Amphiuma	<i>Amphiuma tridactylum</i>	G5	S1	3	3		
Western Lesser Siren	<i>Siren intermedia nettingi</i>	G5	S3	7	7		
Wood Frog	<i>Rana sylvatica</i>	G5	S5	22		13	9
Bird	AVES						
American Bittern	<i>Botaurus lentiginosus</i>	G4	S1	4	2	1	1
American Black Duck	<i>Anas rubripes</i>	G5	S4	2		2	

Appendix 4.28 Continued.

Common name	Scientific name	GRank	SRank	# of observations in a Conservation Area			
				Total	Mississippi - Ohio Valley Plains	Southwestern Appalachian	Interior Low Plateau Karst
American Golden-plover	<i>Pluvialis dominica</i>	G5	S3	7	4	2	1
American White Pelican	<i>Pelecanus erythrorhynchos</i>	G3	S4	10	7	1	2
American Woodcock	<i>Scolopax minor</i>	G5	S4	49	17	14	18
Bachman's Sparrow	<i>Aimophila aestivalis</i>	G3	S1	3	3		
Bald Eagle	<i>Haliaeetus leucocephalus</i>	G4	S2	42	33	7	2
Bank Swallow	<i>Riparia riparia</i>	G5	S3	9	9		
Barn Owl	<i>Tyto alba</i>	G5	S3	10	7	1	2
Bell's Vireo	<i>Vireo bellii</i>	G5	S2	3	3		
Bewick's Wren	<i>Thryomanes bewickii</i>	G5	S3	17	2		15
Black Tern	<i>Chlidonias niger</i>	G4	S1	5	3	1	1
Black-crowned Night-heron	<i>Nycticorax nycticorax</i>	G5	S1	1	1		
Blue-winged Warbler	<i>Vermivora pinus</i>	G5	S4	23	4	10	9
Bobolink	<i>Dolichonyx oryzivorus</i>	G5	S2	2	2		
Brown Creeper	<i>Certhia americana</i>	G5	S1	4	4		
Buff-breasted Sandpiper	<i>Tryngites subruficollis</i>	G4	S3	6	4	1	1
Cerulean Warbler	<i>Dendroica cerulea</i>	G4	S4	24	12	9	3

Appendix 4.28 Continued.

Common name	Scientific name	GRank	SRank	# of observations in a Conservation Area			
				Total	Mississippi - Ohio Valley Plains	Southwestern Appalachian	Interior Low Plateau Karst
Common Moorhen	<i>Gallinula chloropus</i>	G5	S1	4	2	1	1
Common Tern	<i>Sterna hirundo</i>	G5	S3	2	1	1	
Dickcissel	<i>Spiza americana</i>	G5	S4	72	46	1	25
Dunlin	<i>Calidris alpina</i>	G5	S4	6	4	1	1
Grasshopper Sparrow	<i>Ammodramus savannarum</i>	G5	S4	96	18	39	39
Great Egret	<i>Ardea alba</i>	G5	S1	20	19		1
Henslow's Sparrow	<i>Ammodramus henslowii</i>	G4	S3	19	3	6	10
Hooded Merganser	<i>Lophodytes cucullatus</i>	G5	S1	16	10	2	4
Horned Grebe	<i>Podiceps auritus</i>	G5	S4	3	2		1
Interior Least Tern	<i>Sterna antillarum athalassos</i>	G2	S2	46	46		
Kentucky Warbler	<i>Oporornis formosus</i>	G5	S5	137	54	22	61
King Rail	<i>Rallus elegans</i>	G4	S1	4	4		
Lark Sparrow	<i>Chondestes grammacus</i>	G5	S2	1			1
Least Bittern	<i>Ixobrychus exilis</i>	G5	S1	4	4		
Lesser Yellowlegs	<i>Tringa flavipes</i>	G5	S4	10	6	2	2
Little Blue Heron	<i>Egretta caerulea</i>	G5	S1	6	6		

Appendix 4.28 Continued.

Common name	Scientific name	GRank	SRank	# of observations in a Conservation Area			
				Total	Mississippi - Ohio Valley Plains	Southwestern Appalachian	Interior Low Plateau Karst
Loggerhead Shrike	<i>Lanius ludovicianus</i>	G4	S4	68	40	2	26
Long-eared Owl	<i>Asio otus</i>	G5	S1	2		1	1
Louisiana Waterthrush	<i>Seiurus motacilla</i>	G5	S5	62	31	11	20
Mississippi Kite	<i>Ictinia mississippiensis</i>	G5	S2	33	32		1
Northern Bobwhite	<i>Colinus virginianus</i>	G5	S5	1385	729	38	618
Northern Harrier	<i>Circus cyaneus</i>	G5	S1	19	11	4	4
Northern Pintail	<i>Anas acuta</i>	G5	S4	8	7		1
Osprey	<i>Pandion haliaetus</i>	G5	S2	4	3		1
Peregrine Falcon	<i>Falco peregrinus</i>	G4	S1	2	2		
Pied-billed Grebe	<i>Podilymbus podiceps</i>	G5	S1	7	3		4
Piping Plover	<i>Charadrius melodus</i>	G3	S2	5	4		1
Prairie Warbler	<i>Dendroica discolor</i>	G5	S5	181	54	88	39
Prothonotary Warbler	<i>Protonotaria citrea</i>	G5	S5	117	93	8	16
Red-breasted Nuthatch	<i>Sitta canadensis</i>	G5	S1	2	1	1	
Red-headed Woodpecker	<i>Melanerpes erythrocephalus</i>	G5	S4	96	62	3	31
Rusty Blackbird	<i>Euphagus carolinus</i>	G4	S3	6	1	2	3
Sanderling	<i>Calidris alba</i>	G5	S3	8	6	1	1
Savannah Sparrow	<i>Passerculus sandwichensis</i>	G5	S2	1		1	

Appendix 4.28 Continued.

Common name	Scientific name	GRank	SRank	# of observations in a Conservation Area			
				Total	Mississippi - Ohio Valley Plains	Southwestern Appalachian	Interior Low Plateau Karst
Sedge Wren	<i>Cistothorus platensis</i>	G5	S3	7	5		2
Semipalmated Sandpiper	<i>Calidris pusilla</i>	G5	S4	7	5	1	1
Sharp-shinned Hawk	<i>Accipiter striatus</i>	G5	S3	6	4	2	
Short-billed Dowitcher	<i>Limnodromus griseus</i>	G5	S3	4	2	1	1
Short-eared Owl	<i>Asio flammeus</i>	G5	S1	3	1	2	
Solitary Sandpiper	<i>Tringa solitaria</i>	G5	S4	7	5	1	1
Stilt Sandpiper	<i>Calidris himantopus</i>	G5	S3	6	4	1	1
Swainson's Warbler	<i>Limnothlypis swainsonii</i>	G4	S3	3		3	
Trumpeter Swan	<i>Cygnus buccinator</i>	G4	S4	6	1		5
Upland Sandpiper	<i>Bartramia longicauda</i>	G5	S3	2	1		1
Vesper Sparrow	<i>Pooecetes gramineus</i>	G5	S1	1		1	
Western Sandpiper	<i>Calidris mauri</i>	G5	S3	8	6	1	1
Whooping Crane	<i>Grus americana</i>	G1	S4	2			2
Willow Flycatcher	<i>Empidonax traillii</i>	G5	S3	5	2		3
Wilson's Phalarope	<i>Phalaropus tricolor</i>	G5	S3	3	1	1	1
Wilson's Snipe	<i>Gallinago delicata</i>	G5	S3	8	6	1	1
Wood Thrush	<i>Hylocichla mustelina</i>	G5	S5	244	79	66	99
Worm-eating Warbler	<i>Helmitheros vermivorus</i>	G5	S4	96	2	77	17

Appendix 4.28 Continued.

Common name	Scientific name	GRank	SRank	# of observations in a Conservation Area			
				Total	Mississippi - Ohio Valley Plains	Southwestern Appalachian	Interior Low Plateau Karst
Yellow Rail	<i>Coturnicops noveboracensis</i>	G4	S3	1			1
Yellow-crowned Night-heron	<i>Nyctanassa violacea</i>	G5	S2	20	19		1
Mammal	MAMMALIA						
Allegheny Woodrat	<i>Neotoma magister</i>	G3	S4	352		329	23
American Black Bear	<i>Ursus americanus</i>	G5	S2	10		10	
Appalachian Cottontail	<i>Sylvilagus obscurus</i>	G4	S2	6		6	
Cotton Mouse	<i>Peromyscus gossypinus</i>	G5	S2	5	5		
Eastern Small-footed Myotis	<i>Myotis leibii</i>	G3	S2	20		16	4
Eastern Spotted Skunk	<i>Spilogale putorius</i>	G5	S2	2		2	
Evening Bat	<i>Nycticeius humeralis</i>	G5	S3	19	18		1
Gray Myotis	<i>Myotis grisescens</i>	G3	S2	68	2	8	58
Indiana Bat	<i>Myotis sodalis</i>	G2	S1	105	12	55	38
Rafinesque's Big-eared Bat	<i>Corynorhinus rafinesquii</i>	G3	S3	146	8	114	24
Southeastern Myotis	<i>Myotis austroriparius</i>	G3	S1	21	16		5
Swamp Rabbit	<i>Sylvilagus aquaticus</i>	G5	S3	10	9		1

Appendix 4.28 Continued.

Common name	Scientific name	GRank	SRank	# of observations in a Conservation Area			
				Total	Mississippi - Ohio Valley Plains	Southwestern Appalachian	Interior Low Plateau Karst
Virginia Big-eared Bat	<i>Corynorhinus townsendii virginianus</i>	G2	S1	22		22	
Reptile	REPTILIA						
Alligator Snapping Turtle	<i>Macrochelys temminckii</i>	G3	S2	4	4		
Broad-banded Water Snake	<i>Nerodia fasciata confluens</i>	G5	S1	3	3		
Coal Skink	<i>Eumeces anthracinus</i>	G5	S2	7	1	6	
Corn Snake	<i>Elaphe guttata guttata</i>	G5	S3	27			27
Diamondback Water Snake	<i>Nerodia rhombifer rhombifer</i>	G5	S5	26	26		
Eastern Mud Turtle	<i>Kinosternon subrubrum</i>	G5	S3	10	8		2
Eastern Ribbon Snake	<i>Thamnophis sauritus sauritus</i>	G5	S3	10	7		3
Eastern Slender Glass Lizard	<i>Ophisaurus attenuatus longicaudus</i>	G5	S2	11		4	7
False Map Turtle	<i>Graptemys pseudogeographica pseudogeographica</i>	G5	S3	17	17		

Appendix 4.28 Continued.

Common name	Scientific name	GRank	SRank	# of observations in a Conservation Area			
				Total	Mississippi - Ohio Valley Plains	Southwestern Appalachian	Interior Low Plateau Karst
Green Water Snake	<i>Nerodia cyclopion</i>	G5	S1	2	2		
Kirtland's Snake	<i>Clonophis kirtlandii</i>	G2	S2	3	2		1
Midland Smooth Softshell	<i>Apalone mutica mutica</i>	G5	S3	17	17		
Mississippi Map Turtle	<i>Graptemys pseudogeographica kohnii</i>	G4	S3	12	12		
Northern Pine Snake	<i>Pituophis melanoleucus melanoleucus</i>	G4	S2	5	2		3
Northern Scarlet Snake	<i>Cemophora coccinea copei</i>	G5	S3	3	2		1
Six-lined Racerunner	<i>Cnemidophorus sexlineatus</i>	G5	S3	8	5		3
Southeastern Crowned Snake	<i>Tantilla coronata</i>	G5	S3	2	1		1
Southeastern Five-lined Skink	<i>Eumeces inexpectatus</i>	G5	S3	8		6	2
Southern Painted Turtle	<i>Chrysemys picta dorsalis</i>	G5	S2	19	19		
Timber Rattlesnake	<i>Crotalus horridus</i>	G4	S4	23	4	8	11

Appendix 4.28 Continued.

Common name	Scientific name	GRank	SRank	# of observations in a Conservation Area			
				Total	Mississippi - Ohio Valley Plains	Southwestern Appalachian	Interior Low Plateau Karst
Western Cottonmouth	<i>Agkistrodon piscivorus leucostoma</i>	G5	S3	11	10		1
Western Mud Snake	<i>Farancia abacura reinwardtii</i>	G5	S3	16	16		
Western Pygmy Rattlesnake	<i>Sistrurus miliarius streckeri</i>	G5	S2	1	1		
Western Ribbon Snake	<i>Thamnophis proximus proximus</i>	G5	S1	2	2		