

Attachment C – Threatened and Endangered Species List

Table 1. Records of Federal and State-listed Aquatic Animal Species within Ten Miles of the Proposed Pond Creek Relocation .¹

Common Name	Scientific Name	Element Rank ²	Federal Status ³	State Status ³	State Rank ⁴
CRUSTACEANS					
Alabama Blind Cave Shrimp	<i>Palaemonias alabamae</i>	E	LE	SP	S1S2
Troglobitic Crayfish	<i>Cambarus jonesi</i>	E		SPCO	S2
Troglobitic Crayfish	<i>Procambarus pecki</i>	E		TRKD	S2?
FISHES					
Alabama Cavefish	<i>Speoplatyrhinus poulsoni</i>	E	LE	PROT	S1
Crown Darter	<i>Etheostoma corona</i>	E		TRKD	S2
Flame Chub	<i>Hemitremia flammea</i>	E		TRKD	S3
Southern Cavefish	<i>Typhlichthys subterraneus</i>	E		PROT	S3
Spotfin Chub	<i>Erimonax monachus</i>	X	LT	PROT	SX
Tuscumbia Darter	<i>Etheostoma tuscumbia</i>	E		PROT	S2
INSECTS					
Glossosomatid Caddisfly	<i>Agapetus gelbae</i>	E		RARE	S1
MUSSELS					
Acornshell	<i>Epioblasma haysiana</i>	H		EXTI?	SH
Alabama Lampmussel	<i>Lampsilis virescens</i>	X	LE	PROT	S1
Angled Riffleshell	<i>Epioblasma biemarginata</i>	H		EXTI?	SX
Birdwing Pearlymussel	<i>Lemiox rimosus</i>	E	LE	PROT	SX
Black Sandshell	<i>Ligumia recta</i>	E		TRKD	S2
Butterfly	<i>Ellipsaria lineolata</i>	E		TRKD	S3
Clubshell	<i>Pleurobema clava</i>	H	LE	PROT	SX
Cracking Pearlymussel	<i>Hemistena lata</i>	H	LE	PROT	SX
Cumberland Leafshell	<i>Epioblasma stewardsonii</i>	X		EXTI	SX
Cumberland Moccasinshell	<i>Medionidus conradicus</i>	H		PROT	S1
Cumberland Monkeyface	<i>Quadrula intermedia</i>	X	LE	PROT	S1
Cumberlandian Combshell	<i>Epioblasma brevidens</i>	H	LE	PROT	S1
Deertoe	<i>Truncilla truncata</i>	E		TRKD	S1
Dromedary Pearlymussel	<i>Dromus dromas</i>	E	LE	PROT	S1
Fanshell	<i>Cyprogenia stegaria</i>	E	LE	PROT	S1
Fine-rayed Pigtoe	<i>Fusconaia cuneolus</i>	H	LE	PROT	S1
Fluted Kidneyshell	<i>Ptychobranhus subtentum</i>	H	PE	PROT	SX
Hickorynut	<i>Obovaria olivaria</i>	H		EXTI	SX
Kidneyshell	<i>Ptychobranhus fasciolaris</i>	E		TRKD	S1
Long-solid	<i>Fusconaia subrotunda</i>	H		TRKD	S1
Monkeyface	<i>Quadrula metanevra</i>	E		TRKD	S3
Ohio Pigtoe	<i>Pleurobema cordatum</i>	E		TRKD	S2
Orangefoot Pimpleback	<i>Plethobasus cooperianus</i>	H	LE	PROT	S1
Oyster Mussel	<i>Epioblasma capsaeformis</i>	E	LE	PROT	SX
Painted Creekshell	<i>Villosa taeniata</i>	H		TRKD	S3
Pheasantshell	<i>Actinonaias pectorosa</i>	H		TRKD	S1
Pink Mucket	<i>Lampsilis abrupta</i>	E	LE	PROT	S1
Purple Catpaw	<i>Epioblasma obliquata obliquata</i>	H	LE	PROT	SX
Purple Lilliput	<i>Toxolasma lividus</i>	E		TRKD	S2

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Common Name	Scientific Name	Element Rank ²	Federal Status ³	State Status ³	State Rank ⁴
Pyramid Pigtoe	<i>Pleurobema rubrum</i>	E		PROT	S2
Rabbitsfoot	<i>Quadrula cylindrica cylindrica</i>	H	PT	PROT	S1
Rayed Bean	<i>Villosa fabalis</i>	H	LE	PROT	SX
Ring Pink	<i>Obovaria retusa</i>	X	LE	PROT	S1
Rock Pocketbook	<i>Arcidens confragosus</i>	E		TRKD	S3
Rough Pigtoe	<i>Pleurobema plenum</i>	E	LE	PROT	S1
Round Combshell	<i>Epioblasma personata</i>	X		EXTI	SX
Round Hickorynut	<i>Obovaria subrotunda</i>	H		TRKD	S2
Round Pigtoe	<i>Pleurobema sintoxia</i>	E		TRKD	S1
Scaleshell	<i>Leptodea leptodon</i>	H	LE	PROT	SX
Sheepnose	<i>Plethobasus cyphus</i>	E	LE	PROT	S1
Shiny Pigtoe Pearlymussel	<i>Fusconaia cor</i>	X	LE	PROT	S1
Slabside Pearlymussel	<i>Lexingtonia dolabelloides</i>	H	PE	PROT	S1
Snuffbox	<i>Epioblasma triquetra</i>	H	LE	TRKD	S1
Spectaclecase	<i>Cumberlandia monodonta</i>	E	LE	PROT	S1
Spike	<i>Elliptio dilatata</i>	E		TRKD	S1
Sugarspoon	<i>Epioblasma arcaiformis</i>	H		EXTI	SX
Tennessee Clubshell	<i>Pleurobema oviforme</i>	H		TRKD	S1
Tennessee Pigtoe	<i>Fusconaia barnesiana</i>	H		TRKD	S1
Tubercled Blossom Pearlymussel	<i>Epioblasma torulosa torulosa</i>	X	LE	PROT	SX
Turgid Blossom Pearlymussel	<i>Epioblasma turgidula</i>	X	LE	EXTI	SX
Wavy-rayed Lampmussel	<i>Lampsilis fasciola</i>	H		TRKD	S1S2
White Wartyback	<i>Plethobasus cicatricosus</i>	E	LE	PROT	S1
Yellow-blossom Pearlymussel	<i>Epioblasma florentina florentina</i>	X	LE	PROT	SX
SNAILS					
Anthony's River Snail	<i>Athearnia anthonyi</i>	E	LE	PROT	S1
Armored Rocksnail	<i>Lithasia armigera</i>	E		TRKD	S1
Corpulent Hornsnail	<i>Pleurocera corpulenta</i>	H		TRKD	S1
Knob Mudalia	<i>Leptoxis minor</i>	H		EXTI	S?
Muddy Rocksnail	<i>Lithasia salebrosa</i>	E		TRKD	S1
Ornate Rocksnail	<i>Lithasia geniculata</i>	E		TRKD	S1
Round-rib Elimia	<i>Elimia nassula</i>	E		TRKD	S1
Rugged Hornsnail	<i>Pleurocera alveare</i>	H		TRKD	S2
Shortspire Hornsnail	<i>Pleurocera curta</i>	H		TRKD	S1S2
Slowwater Elimia	<i>Elimia interveniens</i>	E		TRKD	S2
Spiral Hornsnail	<i>Pleurocera brumbyi</i>	E		TRKD	S2
Telescope Hornsnail	<i>Pleurocera walkeri</i>	H		TRKD	S3
Varicose Rocksnail	<i>Lithasia verrucosa</i>	E		TRKD	S3
Warty Rocksnail	<i>Lithasia lima</i>	E		HIST	SH

¹ Source: TVA Natural Heritage Database, queried on 08/02/2013

² Heritage Element Occurrence Rank; E = extant record ≤25 years old; H = historical record >25 years old; X = considered extirpated

³ Status Codes: LE or END = Endangered; LT or THR = Listed Threatened; PE = Proposed Endangered; PT - Proposed Threatened; EXTI = Extirpated from state or region; PROT = Protected; RARE = Listed Rare; S-P = Special Concern/Possibly Extirpated; SPCO = Listed Special Concern; HIST = Historically known from the area, may be extirpated or extinct; TRKD = Tracked by state natural heritage program (no legal status)

⁴ State Ranks: S1 = Critically Imperiled; S2 = Imperiled; S3 = Vulnerable; SH = Historically known from the area, may be extirpated or extinct; S? = Inexact or uncertain.

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Table 2 Animal species of conservation concern known from within three miles of the project area.

Common Name	Scientific Name	Federal	State Status ² (Rank ³)
Birds			
Bald eagle	<i>Haliaeetus leucocephalus</i>	DM	PROT(S3)
Red-cockaded woodpecker	<i>Picoides borealis</i>	LE	PROT(S2)
Mammals			
Gray bat	<i>Myotis grisescens</i>	LE	PROT(S2)
Northern long-eared bat ⁴	<i>Myotis septentrionalis</i>	PE	TRKD(S2)
Indiana bat ⁵	<i>Myotis sodalis</i>	LE	PROT(S2)
Reptiles			
Alligator snapping turtle	<i>Macrocllemys temminckii</i>	--	PROT(S3)

¹ Source: TVA Regional Natural Heritage Database, extracted 6/17/2014.

² Status Codes: DM = Delisted, recovered, and being monitored; LE = Listed Endangered; PE = Proposed Endangered; PROT = Protected; TRKD = Tracked by the Alabama Natural Heritage Program.

³ State Ranks: S2 = Imperiled; S3 = Vulnerable.

⁴ Federally proposed endangered species that has been determined to have the potential to exist in Colbert County, though the range of this species has not yet been defined at the county-level by USFWS.

⁵ Federally listed species that has been determined by USFWS to have the potential to exist in Colbert County, AL, though no records exist at this time.

Table 3 Plant species of conservation concern known from within five miles of the project area.

Common Name	Scientific Name	Federal Status	State Status ² (Rank ³)
Yellowwood	<i>Cladrastis kentukea</i>	-	SLNS(S3)
Blue-eyed Mary	<i>Collinsia verna</i>	-	SLNS(S1)
Leafy Prairie-clover ¹	<i>Dalea foliosa</i>	END	SLNS(S1)
Dutchman's Breeches	<i>Dicentra cucullaria</i>	-	SLNS(S2)
False Rue-anemone	<i>Enemion biternatum</i>	-	SLNS(S2)
Lyre-leaf Bladderpod ¹	<i>Lesquerella lyrata</i>	THR	SLNS(S1)

¹ Federal-listed species occurring within the county where work would occur, but not within 5 miles of the project area.

² Status abbreviations: END = Endangered; SLNS = Listed by the state of Alabama, but not assigned a status; THR = Threatened.

³ Rank codes: S1 = Extremely rare and critically imperiled in the state with 5 or fewer occurrences, or very few remaining individuals, or because of some special condition where the species is particularly vulnerable to extirpation; S2 = Very rare and imperiled within the state, 6 to 20 occurrences; S3 = Rare or uncommon with 21 to 100 occurrences