

APPENDIX A

TERRESTRIAL SPECIES FOUND OR POTENTIALLY FOUND IN THE SHORELINE AREA OF LAKE GASTON AND ROANOKE RAPIDS LAKE

Herpetofauna Distribution

Species	Project Area Abundance	Number of Locations		Habitat
		Lake Gaston	Roanoke Rapids Lake	
Salamanders				
<i>Ambystomia maculatum</i>	U*	1	1	UH, P
<i>Ambystomia opacum</i>	U*	1	-	UH, UP
<i>Plethodon chlorobryonis</i>	C*	1	1	MS, BH, S
<i>Eurycea cirrigera</i>	U	-	1	MS
Frogs and Toads				
<i>Bufo americanus</i>	R	1	-	UH, UP
<i>Bufo woodhousii</i>	C	6	8	UH, UP, L
<i>Gastrophyrne carolinensis</i>	C	1	-	UP
<i>Acris crepitans</i>	C	12	1	P, S
<i>Pseudacris crucifer</i>	C	-	2	UH, MS
<i>Pseudacris triseriata</i>	C*	1	3	MS
<i>Hyla chrysoscelis</i>	C	3	3	MS, BH
<i>Hyla femoralis</i>	R	1	1	MS, BH
<i>Rana catesbeiana</i>	C	7	-	L, P
<i>Rana clamitans</i>	C	9	4	S
<i>Rana palustris</i>	C	2	-	L, P, S
<i>Rana utricularia</i>	C	2	2	UH, MS, S
Turtles				
<i>Chelydra serpentina</i>	C	-	1	L, P
<i>Sternotherus odoratus</i>	C	2	-	S
<i>Kinosternon subrubrum</i>	C	1	1	S
<i>Clemmys guttata</i>	R	1	-	BH, S
<i>Terrapene carolina</i>	C	8	5	UH, MS
<i>Trachemys scripta</i>	C	6	1	BH, MS, S
<i>Pseudemys concinna</i>	C	3	3	S
<i>Chrysemys picta</i>	C	8	1	P, L
Lizards				
<i>Sceloporus undulatus</i>	C	2	1	UP
<i>Scinella lateralis</i>	C	2	4	MS
<i>Eumeces fasciatus</i>	C	6	1	UP, UH, MS
<i>Eumeces laticeps</i>	U	1	-	MS, S
<i>Cnemidophorus sexlineatus</i>	U	-	1	UP
Snakes				
<i>Agkistrodon contortix</i>	C	1	1	UH, UP, MS
<i>Agkistrodon piscivorus</i>	U	4	1	BH, S

Herpetofauna Distribution

Species	Project Area Abundance	Number of Locations		Habitat
		Lake Gaston	Roanoke Rapids Lake	
<i>Carphophis amoenus</i>	C	2	3	MS, S
<i>Coluber constrictor</i>	C	9	3	UH, UP
<i>Diadophis punctatus</i>	C	1	2	MS
<i>Elaphe obsoleta</i>	C	1	2	UH, UP, MS, BH
<i>Heterodan platirhinos</i>	U	1	-	UP
<i>Lampropeltis getula</i>	U	3	-	UH, UP, MS
<i>Nerodia sipedon</i>	C	6	3	L, P, S
<i>Nerodia taxispilota</i>	C	-	5	L, P, S
<i>Opheodrys aestivus</i>	C	3	-	UH, UP, MS, BH
<i>Regina septemvittata</i>	U	1	-	S
<i>Thamnophis sirtalis</i>	U	-	1	UH
<i>Virginia valeriae</i>	R	-	1	UH
Total Occurences		109	57	
Number of Species		36	31	
Average Occurrence		3	2	

C = Common

R = Rare

U = Uncommon

* = Strongly seasonal in activity

L = Lake

P = Pond

S = Stream

MS = Mesic Slope

UH = Upland Hardware

UP = Upland Pine

Bird Species Recorded from Project Area during 1996 and 1997 Breeding Bird Field Surveys

<u>Common Name</u>	<u>Scientific Name</u>	<u>Evidence</u>
Common loon	<i>Gavia immer</i>	observed
Pied-billed grebe	<i>Podilymbus podiceps</i>	observed
Double-crested cormorant	<i>Phalacrocorax auritus</i>	observed
Great blue heron	<i>Ardea herodias</i>	confirmed
Great egret	<i>Casmerodius alba</i>	observed
Little blue heron	<i>Egretta caerulea</i>	observed
Green heron (green-backed Heron in AOU, 1983)	<i>Butorides virescens</i> (<i>B. striatus</i> in AOU, 1983)	possible
Canada goose	<i>Branta canadensis</i>	confirmed
Wood duck	<i>Ax sponsa</i>	confirmed
Mallard	<i>Anas platyrhynchos</i>	confirmed
Black vulture	<i>Coragyps atratus</i>	observed
Turkey vulture	<i>Cathartes aura</i>	observed
Osprey	<i>Pandion haliaetus</i>	confirmed
Mississippi kite	<i>Ictinia mississippiensis</i>	observed
Bald eagle	<i>Haliaeetus leucocephalus</i>	confirmed
Cooper's hawk	<i>Accipiter cooperii</i>	possible
Red-shouldered hawk	<i>Buteo lineatus</i>	
Broad-winged hawk	<i>Buteo platypterus</i>	possible
Red-tailed hawk	<i>Buteo jamaicensis</i>	confirmed
Northern bobwhite	<i>Colinus virginianus</i>	probable
Killdeer	<i>Charadrius vociferus</i>	possible
Ring-billed gull	<i>Larus delawarensis</i>	observed
Caspian tern	<i>Sterna caspia</i>	observed
Rock dove	<i>Columba livia</i>	probable
Mourning dove	<i>Zenaida macroura</i>	confirmed
Yellow-billed cuckoo	<i>Coccyzus americanus</i>	possible
Barred owl	<i>Strix varia</i>	confirmed
Chimney swift	<i>Chaetura pelagica</i>	probable
Ruby-throated hummingbird	<i>Archilochus colubris</i>	probable
Belted kingfisher	<i>Ceryle alcyon</i>	confirmed
Red-headed woodpecker	<i>Melanerpes erythrocephalus</i>	possible
Red-bellied woodpecker	<i>Melanerpes carolinus</i>	confirmed
Downey woodpecker	<i>Picoides pubescens</i>	possible
Hairy woodpecker	<i>Picoides villosus</i>	probable
Northern flicker (aka Yellow-shafter flicker)	<i>Colaptes auratus</i>	possible
Pileated woodpecker	<i>Dryocopus pileatus</i>	possible
Eastern wood-pewee	<i>Contopus virens</i>	probable
Willow flycatcher	<i>Empidonax traillii</i>	possible
Eastern phoebe	<i>Sayornis phoebe</i>	confirmed
Great crested flycatcher	<i>Myiarchus tyrannus</i>	probable
Eastern kingbird	<i>Tyrannus tyrannus</i>	confirmed
Purple martin	<i>Progne subis</i>	confirmed

Bird Species Recorded from Project Area during 1996 and 1997 Breeding Bird Field Surveys

<u>Common Name</u>	<u>Scientific Name</u>	<u>Evidence</u>
Northern rough-winged swallow	<i>Stelgidopteryx serripennis</i>	confirmed
Cliff swallow	<i>Hirundo pyrrhonota</i>	confirmed
Blue jay	<i>Cyanocitta cristata</i>	probable
American crow	<i>Corvus brachyrhynchos</i>	confirmed
Fish crow	<i>Corvus ossifragus</i>	possible
Carolina chickadee	<i>Parus carolinensis</i>	probable
Tufted titmouse	<i>Parus bicolor</i>	probable
White-breasted nuthatch	<i>Sitta carolinensis</i>	probable
Carolina wren	<i>Thryothorus ludovicianus</i>	probable
Blue-gray gnatcatcher	<i>Polioptila caerulea</i>	confirmed
Eastern bluebird	<i>Sialia sialis</i>	confirmed
Wood thrush	<i>Hylocichla mustelina</i>	probable
American robin	<i>Turdus migratorius</i>	probable
Gray catbird	<i>Dumetella carolinensis</i>	probable
Northern mockingbird	<i>Mimus polyglottos</i>	possible
Brown thrasher	<i>Toxostoma rufum</i>	possible
Cedar waxwing	<i>Bombycilla cedrorum</i>	observed/possible
European starling	<i>Sturnus vulgaris</i>	confirmed
White-eyed vireo	<i>Vireo griseus</i>	confirmed
Yellow-throated vireo	<i>Vireo flavifrons</i>	probable
Red-eyed vireo	<i>Vireo olivaceus</i>	probable
Northern parula	<i>Parula americana</i>	probable
Yellow warbler	<i>Dendroica petechia</i>	possible
Yellow-throated warbler	<i>Dendroica dominica</i>	probable
Pine warbler	<i>Dendroica pinus</i>	probable
Prairie warbler	<i>Dendroica discolor</i>	probable
Black-and-white warbler	<i>Mniotilta varia</i>	possible
Prothonotary warbler	<i>Protonotaria citrea</i>	possible
Ovenbird	<i>Seiurus aurocapillus</i>	probable
Louisiana waterthrush	<i>Seiurus motacilla</i>	probable
Common yellowthroat	<i>Geothlypis trichas</i>	probable
Hooded warbler	<i>Wilsonia citrina</i>	probable
Yellow-breasted chat	<i>Icteria virens</i>	probable
Summer tanager	<i>Piranga rubra</i>	probable
Scarlet tanager	<i>Piranga olivacea</i>	possible
Northern cardinal	<i>Cardinalis cardinalis</i>	probable
Blue grosbeak	<i>Guiraca caerulea</i>	confirmed
Indigo bunting	<i>Passerina cvanea</i>	probable
Rufous-sided towhee	<i>Pipilo erythrophthalmus</i>	probable
Chipping sparrow	<i>Spizella passerina</i>	confirmed
Field sparrow	<i>Spizella pusilla</i>	probable
Grasshopper sparrow	<i>Ammodramus savannarum</i>	possible
Red-winged blackbird	<i>Agelaius phoeniceus</i>	probable
Eastern meadowlark	<i>Sturnella magna</i>	possible

Bird Species Recorded from Project Area during 1996 and 1997 Breeding Bird Field Surveys

<u>Common Name</u>	<u>Scientific Name</u>	<u>Evidence</u>
Common grackle	<i>Quiscalus quiscula</i>	confirmed
Brown-headed cowbird	<i>Molothrus ater</i>	confirmed
Orchard oriole	<i>Icterus spurius</i>	probable
House finch	<i>Carpodacus mexicanus</i>	probable
American goldfinch	<i>Carduelis tristis</i>	possible
House sparrow	<i>Passer domesticus</i>	confirmed

Observed – recorded in the study area during field work, but no evidence of breeding

Possible – recorded in appropriate breeding habitat during the breeding season for that species, but no additional evidence for breeding found; or present during the survey and considered a possible breeding species, but was not seen in that breeding habitat

Probable - recorded in appropriate breeding habitat during the breeding season and additional inconclusive evidence of breeding recorded

Confirmed – definite evidence of breeding in the study area

Common Mammals Associated with Habitats Occurring in the Project Area

Common Name	Scientific Name	Abundance	Habitat
Virginia opossum	<i>Didelphis virginiana</i>	A	BH, SS
Southeastern shrew	<i>Sorex longirostris</i>	LA	BH, EM
Southern short-tailed shrew	<i>Blarina carolinensis</i>	C	O/P, EM
Least shrew	<i>Cryptotis parva</i>	C	G/P, EM
Eastern mole	<i>Scalopus aquaticus</i>	C	G/P, DR
Little brown myotis	<i>Myotis lucifugus</i>	LC	DR, O/P
Silver-haired bat	<i>Lasionycteris noctivagans</i>	S	O/P, BH
Eastern pipistrelle	<i>Pipistrellus subflavus</i>	C	BH, C
Red bat	<i>Lasiurus borealis</i>	C	O/P, BH, C
Evening Bat	<i>Nycticeius humeralis</i>	LA	O/P
Eastern cottontail	<i>Sylvilagus floridanus</i>	C	G/P
Eastern chipmunk	<i>Tamias striatus</i>	LA	O/P, BH, FE
Woodchuck	<i>Marmota monax</i>	C	FE
Gray squirrel	<i>Sciurus carolinensis</i>	A	O/P, BH
Southern flying squirrel	<i>Glaucomys volans</i>	C	O/P
Beaver	<i>Castor canadensis</i>	LC	BH, OW
Marsh rice rat	<i>Oryzomys palustris</i>	LC	SS, EM
White-footed mouse	<i>Peromyscus leucopus</i>	A	O/P, BH
Golden mouse	<i>Ochrotomys nuttalli</i>	C	BH
Hispid cotton rat	<i>Sigmodon hispidus</i>	C	G/P
Meadow vole	<i>Microtus pennsylvanicus</i>	LC	G/P
Woodland vole	<i>Microtus pinetorum</i>	LC	O/P, G/P
Muskrat	<i>Ondatra zibethicus</i>	LC	OW, EM
Norway rat	<i>Rattus norvegicus</i>	C	DR
House mouse	<i>Mus musculus</i>	A	DR
Red fox	<i>Vulpes vulpes</i>	C	G/P, CR, O/P
Gray fox	<i>Urocyon cinereoargenteus</i>	C	O/P, PP, G/P, CR
Raccoon	<i>Procyon lotor</i>	C	SS, EM
Longtailed weasel	<i>Mustela fuenata</i>	C	O/P, G/P, FE
Mink	<i>Mustela vision</i>	C	SS, EM, OW
River otter	<i>Lutra canadensis</i>	LC	OW
White-tailed deer	<i>Odocoileus virginianus</i>	C	O/P, G/P, FE, CR

A = Abundant

C = Common

LA = Locally Abundant

LC = Locally Common

BH = Bottomland Hardwood

C = Caves

CR = Cropland

DR = Developed Residential

EM = Emergent Wetlands

FE = Forest ecotone

G/P = Grassland/Pasture (includes old field)

O/P = Oak-Pine

OW = Open Water (lakes, streams, rivers)

PP = Pine Planatation

SS = Scrub-Shrub Wetlands