
APPENDIX E

Species Lists

APPENDIX E

Species Lists

PRELIMINARY DRAFT ENVIRONMENTAL ASSESSMENT

Environmental Assessment
Appendix E – Species Lists

Third Port Improvements Project
Joint Base Langley-Eustis, Fort Eustis, Virginia

This appendix provides lists of mammals, birds, fish, shellfish, reptiles, and amphibians known to occur at Fort Eustis and in Skiffes Creek. Additional information regarding the sources of this information may be found in the Fort Eustis Integrated Natural Resources Management Plan (USAF 2019). Note that these lists are not exhaustive and are based on multiple “snap shot” surveys and inventories conducted at Fort Eustis and the surrounding environment.

Table 1. Mammals known to occur at Fort Eustis.

Scientific Name	Common Name
<i>Blarina carolinensis carolinensis</i>	Short-tailed shrew
<i>Canis lutrans</i>	Coyote
<i>Castor canadensis</i>	Beaver
<i>Cryptotis parva</i>	Least shrew
<i>Didelphis virginianus virginianus</i>	Virginia opossum
<i>Eptesicus fuscus</i>	Big brown bat
<i>Glaucomys volans</i>	Southern flying squirrel
<i>Lasionycteris noctivigans</i>	Silver-haired bat
<i>Lasiurus borealis</i>	Eastern red bat
<i>Lasiurus cinereus</i>	Hoary bat
<i>Lasiurus intermedius</i>	Northern yellow bat
<i>Lutra canadensis</i>	Otter
<i>Lynx rufus</i>	Bobcat
<i>Marmota monax</i>	Groundhog
<i>Microtus pennsylvanicus</i>	Meadow vole
<i>Mus musculus</i>	House mouse
<i>Myotis austroriparius</i>	Southeastern myotis
<i>Myotis lucifugus</i>	Little brown bat
<i>Myotis septentrionalis</i>	Northern long-eared bat
<i>Myotis sodalis</i>	Indiana bat
<i>Neovison vison</i>	American mink
<i>Nycticeius humeralis</i>	Evening bat
<i>Odocoileus virginiana</i>	White-tailed deer
<i>Ondatra zibethica macrodon</i>	Muskrat
<i>Oryzomys palustris palustris</i>	Marsh rice rat
<i>Peromyscus gossypinus</i>	Cotton mouse
<i>Peromyscus leucopus</i>	White-footed mouse
<i>Peromyscus nuttalli</i>	Golden mouse
<i>Perymyotis subflavus</i>	Tricolored bat
<i>Procyon lotor</i>	Raccoon
<i>Scalopus aquaticus</i>	Eastern mole
<i>Sciurus carolinensis</i>	Eastern gray squirrel
<i>Sorex longirostris longirostris</i>	Southeastern shrew
<i>Sylvilagus floridana mallurus</i>	Eastern cottontail rabbit
<i>Tadarida brasiliensis</i>	Mexican free-tailed bat
<i>Urocyon cinereoargenteus</i>	Gray fox
<i>Ursus americanus</i>	American black bear
<i>Vulpes vulpes fulva</i>	Red fox

PRELIMINARY DRAFT ENVIRONMENTAL ASSESSMENT

Environmental Assessment
Appendix E – Species Lists

Third Port Improvements Project
Joint Base Langley-Eustis, Fort Eustis, Virginia

Table 2. Birds known to occur at Fort Eustis.

Scientific Name	Common Name
<i>Accipiter cooperii</i>	Cooper’s hawk
<i>Accipiter striatus</i>	Sharp-shinned hawk
<i>Actitis macularia</i>	Spotted sandpiper
<i>Agelaius phoeniceus</i>	Red-winged blackbird
<i>Aix sponsa</i>	Wood duck
<i>Ammodramus leconteii</i>	LeConte’s sparrow
<i>Anas acuta</i>	Northern pintail
<i>Anas americana</i>	American widgeon
<i>Anas clypeata</i>	Northern shoveler
<i>Anas crecca</i>	Green-winged teal
<i>Anas discolor</i>	Blue-winged teal
<i>Anas platyrhynchos</i>	Mallard
<i>Anas rubripes</i>	American black duck
<i>Anas strepera</i>	Gadwall
<i>Antrostomus carolinensis</i>	Chuck Will’s Widow
<i>Archilochus colubris</i>	Ruby-throated hummingbird
<i>Ardea alba</i>	Great egret
<i>Ardea herodias</i>	Great blue heron
<i>Arenaria interpres</i>	Ruddy turnstone
<i>Aythya affinis</i>	Lesser scaup
<i>Aythya americana</i>	Redhead
<i>Aythya collaris</i>	Ring-necked duck
<i>Aythya marila</i>	Greater scaup
<i>Aythya valisineria</i>	Canvasback
<i>Baeolophus bicolor</i>	Tufted titmouse
<i>Bombcilla cedrorum</i>	Cedar waxwing
<i>Botaurus lentiginosus</i>	American bittern
<i>Branta canadensis</i>	Canada goose
<i>Bubo virginianus</i>	Great horned owl
<i>Bubulcus ibis</i>	Cattle egret
<i>Bucephala albeola</i>	Bufflehead
<i>Bucephala clangula</i>	Common goldeneye
<i>Buteo jamaicensis</i>	Red-tailed hawk
<i>Buteo lineatus</i>	Red-shouldered hawk
<i>Butorides striatus</i>	Green heron
<i>Calidris alba</i>	Sanderling
<i>Calidris alpina</i>	Dunlin
<i>Calidris fuscicollis</i>	White-rumped sandpiper
<i>Calidris himantopus</i>	Stilt sandpiper
<i>Calidris mauri</i>	Western sandpiper
<i>Calidris melanotos</i>	Pectoral sandpiper

PRELIMINARY DRAFT ENVIRONMENTAL ASSESSMENT

Environmental Assessment
Appendix E – Species Lists

Third Port Improvements Project
Joint Base Langley-Eustis, Fort Eustis, Virginia

<i>Calidris minutilla</i>	Least sandpiper
<i>Calidris pusilla</i>	Semipalmated sandpiper
<i>Cardinalis cardinalis</i>	Northern cardinal
<i>Carduelis pinus</i>	Pine siskin
<i>Carpodacus mexicanus</i>	House finch
<i>Carpodacus purpureus</i>	Purple finch
<i>Catharus guttatus</i>	Hermit thrush
<i>Certhia Americana</i>	Brown creeper
<i>Ceryle alcyon</i>	Belted kingfisher
<i>Chaetura pelagica</i>	Chimney swift
<i>Charadrius semipalmatus</i>	Semipalmated plover
<i>Charadrius vociferous</i>	Killdeer
<i>Chlidonias niger</i>	Black tern
<i>Circus cyaneus</i>	Northern harrier
<i>Cistothorus palustris</i>	Marsh wren
<i>Cistothorus platenis</i>	Sedge wren
<i>Clangula hyemalis</i>	Oldsquaw
<i>Coccyzus americanus</i>	Yellow-billed cuckoo
<i>Coccyzus americanus</i>	Yellow-billed cuckoo
<i>Colaptes auratus</i>	Northern flicker
<i>Colinus virginianus</i>	Northern bobwhite
<i>Cyanocitta cristata</i>	Blue jay
<i>Cygnus columbianus</i>	Tundra swan
<i>Cygnus olor</i>	Mute swan
<i>Dendroica caerulescens</i>	Black-throated blue warbler
<i>Dendroica coronata</i>	Yellow-rumped warbler
<i>Dendroica discolor</i>	Prairie warbler
<i>Dendroica dominica</i>	Yellow-throated warbler
<i>Dendroica magmolia</i>	Magnolia warbler
<i>Dendroica palmarum</i>	Palm warbler
<i>Dendroica petechia</i>	Yellow warbler
<i>Dendroica pinus</i>	Pine warbler
<i>Dendroica striata</i>	Blackpoll warbler
<i>Dryocopus pileatus</i>	Pileated woodpecker
<i>Dumetella carolinensis</i>	Gray catbird
<i>Egretta thula</i>	Snowy egret
<i>Euphagus carolinus</i>	Rusty blackbird
<i>Falco columbarius</i>	Merlin
<i>Falco sparverius</i>	American kestrel
<i>Gallinago gallinago</i>	Common snipe
<i>Gallinula chloropus</i>	Common moorhen
<i>Gavia immer</i>	Common loon
<i>Geothlypis trichas</i>	Common yellowthroat
<i>Guiraca caerulea</i>	Blue grosbeak
<i>Haliaeetus leucocephalus</i>	Bald eagle
<i>Hirundo rustica</i>	Barn swallow
<i>Icteria virens</i>	Yellow-breasted chat

PRELIMINARY DRAFT ENVIRONMENTAL ASSESSMENT

Environmental Assessment
Appendix E – Species Lists

Third Port Improvements Project
Joint Base Langley-Eustis, Fort Eustis, Virginia

<i>Icterus galbula</i>	Baltimore oriole
<i>Icterus spurius</i>	Orchard oriole
<i>Ixobrychus exilis</i>	Least bittern
<i>Junco hyemalis</i>	Dark-eyed junco
<i>Larus atricilla</i>	Laughing gull
<i>Larus delawarensis</i>	Ring-billed gull
<i>Larus fuscus</i>	Lesser black-backed gull
<i>Larus marinus</i>	Great black-backed gull
<i>Larus philadelphia</i>	Bonaparte’s gull
<i>Limnodromus griseus</i>	Short-billed dowitcher
<i>Limnodromus scolopaceus</i>	Long-billed dowitcher
<i>Lophodytes cucullatus</i>	Hooded merganser
<i>Megascops asio</i>	Eastern screech owl
<i>Melanerpes carolinus</i>	Red-bellied woodpecker
<i>Melanerpes erythrocephalus</i>	Red-headed woodpecker
<i>Meleagris gallopavo</i>	Wild turkey
<i>Melospiza Georgiana</i>	Swamp sparrow
<i>Melospiza melodia</i>	Song sparrow
<i>Mergus serrator</i>	Red-breasted merganser
<i>Mniotilta varia</i>	Black-and-white warbler
<i>Molothrus ater</i>	Brown-headed cowbird
<i>Myiarchus crinitus</i>	Great crested flycatcher
<i>Nycticorax violaceus</i>	Yellow-crowned night-heron
<i>Oxyura jamaicensis</i>	Ruddy duck
<i>Pandion haliaetus</i>	Osprey
<i>Parula americana</i>	Northern parula
<i>Passer domesticus</i>	House sparrow
<i>Passerculus sandwichensis</i>	Savannah sparrow
<i>Passerella iliaca</i>	Fox sparrow
<i>Passerina cyanea</i>	Indigo bunting
<i>Phalacrocorax auritus</i>	Double-crested cormorant
<i>Phalaropus tricolor</i>	Wilson’s phalarope
<i>Pheucticus ludovicianus</i>	Rose-breasted grosbeak
<i>Picoides pubescens</i>	Downy woodpecker
<i>Picoides villosus</i>	Hairy woodpecker
<i>Pipilo erythrophthalmus</i>	Eastern towhee
<i>Piranga olivacea</i>	Scarlet tanager
<i>Piranga rubra</i>	Summer tanager
<i>Podiceps auritus</i>	Horned grebe
<i>Podiceps grisegena</i>	Red-necked grebe
<i>Podilymbus podiceps</i>	Pied-billed grebe
<i>Poecile carolinensis</i>	Carolina chickadee
<i>Polioptila caerulea</i>	Blue-gray gnatcatcher
<i>Pooecetes gramineus</i>	Vesper sparrow
<i>Porzana Carolina</i>	Sora rail

PRELIMINARY DRAFT ENVIRONMENTAL ASSESSMENT

Environmental Assessment
Appendix E – Species Lists

Third Port Improvements Project
Joint Base Langley-Eustis, Fort Eustis, Virginia

<i>Progne subis</i>	Purple martin
<i>Protonotaria citrea</i>	Prothonotary warbler
<i>Quiscalus quiscula</i>	Common grackle
<i>Rallus limicola</i>	Virginia rail
<i>Rallus longirostris</i>	Clapper rail
<i>Regulus calendula</i>	Ruby-crowned kinglet
<i>Riparia riparia</i>	Bank swallow
<i>Sayornis phoebe</i>	Eastern phoebe
<i>Scolopax minor</i>	American woodcock
<i>Seiurus aurocapillus</i>	Ovenbird
<i>Seiurus noveboracensis</i>	Northern waterthrush
<i>Setophaga ruticilla</i>	American redstart
<i>Sialis sialis</i>	Eastern bluebird
<i>Sitta carolinensis</i>	White-breasted nuthatch
<i>Sitta eanadenis</i>	Red-breasted nuthatch
<i>Sitta pygmaia</i>	Brown-headed nuthatch
<i>Sphyrapicus varius</i>	Yellow-bellied sapsucker
<i>Spizella passerina</i>	Chipping sparrow
<i>Spizella pusilla</i>	Field sparrow
<i>Stelgidopteryx serripennis</i>	Northern rough-winged swallow
<i>Sterna caspia</i>	Caspian tern
<i>Sterna forsteri</i>	Forster’s tern
<i>Sterna hirundo</i>	Common tern
<i>Sterna maxima</i>	Royal tern
<i>Strix varia</i>	Barred owl
<i>Sturnus vulgaris</i>	European starling
<i>Tachycineta bicolor</i>	Tree swallow
<i>Thryothorus ludovicianus</i>	Carolina wren
<i>Toxostoma rufum</i>	Brown thrasher
<i>Tringa flavipes</i>	Lesser yellowlegs
<i>Tringa melanoleuca</i>	Greater yellowlegs
<i>Tringa solitaria</i>	Solitary sandpiper
<i>Troglodytes aedon</i>	House wren
<i>Troglodytes troglodytes</i>	Winter wren
<i>Turdus migratorius</i>	American robin
<i>Tyrannus tyrannus</i>	Eastern kingbird
<i>Vermivora celata</i>	Orange-crowned warbler
<i>Vireo griseus</i>	White-eyed vireo
<i>Vireo olivaceus</i>	Red-eyed vireo
<i>Vireo solitarius</i>	Solitary vireo
<i>Wilsonia pusilla</i>	Wilson’s warbler

PRELIMINARY DRAFT ENVIRONMENTAL ASSESSMENT

Environmental Assessment
Appendix E – Species Lists

Third Port Improvements Project
Joint Base Langley-Eustis, Fort Eustis, Virginia

Table 3. Fish and shellfish known to occur in Skiffes Creek.

Scientific Name	Common Name
<i>Anchoa hepsetus</i>	Striped anchovy
<i>Anchoa mitchilli</i>	Bay anchovy
<i>Anguilla rostrata</i>	American eel
<i>Brevoortia tyrannus</i>	Atlantic menhaden
<i>Callinectes sapidus</i>	Blue crabs
<i>Chaetodipterus faber</i>	Spadefish
<i>Crassostrea virginica</i>	Eastern oyster
<i>Cynoscion regalsi</i>	Weakfish
<i>Cyprinus carpio</i>	Common carp
<i>Dorosoma cepedianum</i>	Gizzard shad
<i>Fundulus majalis</i>	Striped killifish
<i>Iopisthonema oglinum</i>	Atlantic thread herring
<i>Leiostomus xanthurus</i>	Spot
<i>Membras martinica</i>	Rough silverside
<i>Menidia menidia</i>	Atlantic silverside
<i>Menticirrhus saxatillis</i>	Northern kingfish
<i>Micropogonias undulates</i>	Atlantic croaker
<i>Morone americana</i>	White perch
<i>Morone saxatillis</i>	Striped bass
<i>Mugil cephalus</i>	Striped mullet
<i>Mugil curema</i>	White mullet
<i>Pomatomus saltatrix</i>	Bluefish
<i>Strongylura marina</i>	Atlantic needlefish
<i>Symphurus plagiusa</i>	Blackcheek tonguefish
<i>Synodus foetens</i>	Inshore lizardfish
<i>Trinectes maculatus</i>	Hogchoker

PRELIMINARY DRAFT ENVIRONMENTAL ASSESSMENT

Environmental Assessment
Appendix E – Species Lists

Third Port Improvements Project
Joint Base Langley-Eustis, Fort Eustis, Virginia

Table 4. Reptiles and amphibians known to occur at Fort Eustis.

Scientific Name	Common Name
<i>Acris</i> spp	Cricket frog
<i>Ambystoma opacum</i>	Marbled salamander
<i>Anaxyrus fowleri</i>	Fowler's toad
<i>Carphophis amoenus amoenus</i>	Eastern wormsnake
<i>Chelydra serpentina</i>	Snapping turtle
<i>Chrysemys picta picta</i>	Eastern painted turtle
<i>Clemmys guttata</i>	Spotted turtle
<i>Coluber constrictor constrictor</i>	Northern black racer
<i>Diadophis punctatus</i>	Ring-necked snake
<i>Gastrophryne carolinensis</i>	Eastern narrow-mouthed toad
<i>Hyla chrysoscelis</i>	Cope's gray treefrog
<i>Hyla cinerea</i>	Green treefrog
<i>Hyla squirrella</i>	Squirrel treefrog
<i>Kinosternon subrubrum</i>	Southeastern mud turtle
<i>Lampropeltis getula</i>	Eastern kingsnake
<i>Lithobates catesbeianus</i>	American bullfrog
<i>Lithobates clamitans</i>	Green frog
<i>Lithobates palustris</i>	Pickerel frog
<i>Lithobates sphenoccephalus</i>	Coastal Plains Leopard frog
<i>Malaclemys terrapin terrapin</i>	Northern diamond-back terrapin
<i>Nerodia sipedon</i>	Northern watersnake
<i>Notophthalmus viridescens</i>	Red-spotted newt
<i>Opheodrys aestivus</i>	Rough greensnake
<i>Pantherophis alleghaniensis</i>	Eastern ratsnake
<i>Plestiodon fasciatus</i>	Common five-lined skink
<i>Plestiodon laticeps</i>	Broad-headed skink
<i>Plethodon cinereus</i>	Red-backed salamander (red & lead-phases)
<i>Pseudacris crucifer</i>	Northern spring peeper
<i>Pseudacris feriarum</i>	Upland chorus frog
<i>Psudemys rubriventris</i>	Northern red-bellied cooter
<i>Scincella lateralis</i>	Little brown skink
<i>Sternotherus odoratus</i>	Eastern musk turtle (stinkpot)
<i>Storeria dekayi</i>	Northern brownsnake
<i>Thamnophis sauritus</i>	Eastern ribbon snake
<i>Thamnophis sirtalis</i>	Eastern garter snake
<i>Trachemys scripta elegans</i>	Red-eared slider
<i>Trachemys scripta scripta</i>	Yellow-bellied slider

PRELIMINARY DRAFT ENVIRONMENTAL ASSESSMENT

*Environmental Assessment
Appendix E – Species Lists*

*Third Port Improvements Project
Joint Base Langley-Eustis, Fort Eustis, Virginia*

References

USAF. 2019. Fort Eustis Integrated Natural Resources Management Plan: Plan Years 2019 – 2023. Signed June 2019.