
Appendix F
Fish and Wildlife

Final DRAFT

Appendix F: Fish and Wildlife

Appendix F includes several tables (F-1 through F-10) of fish and wildlife species found on each 45th Space Wing property.

Species Tables

Table F-1	Mammals Present on CCAFS
Table F-2	Amphibians and Reptiles Present on CCAFS
Table F-3	Birds Present on CCAFS
Table F-4	Mammals Present on Patrick Air Force Base (PAFB)
Table F-5	Amphibians and Reptiles Present on PAFB
Table F-6	Birds Present on PAFB
Table F-7	Mammals Present on Malabar Transmitter Annex (MTA)
Table F-8	Amphibians and Reptile Present on MTA
Table F-9	Birds Present on MTA and Their Seasonality
Table F-10	Birds Present on Jonathan Dickinson Missile Tracking Annex (JDMTA) and Their Seasonality

Table F-1: Mammals Present on CCAFS

Common Name	Scientific Name
Armadillo	<i>Dasyus novemcinctus</i>
Black rat	<i>Rattus rattus</i>
Bobcat	<i>Lynx rufus</i>
Cotton mouse	<i>Peromyscus gossypinus</i>
Cotton rat	<i>Sigmodon hispidus</i>
Eastern cottontail rabbit	<i>Sylvilagus floridanus</i>
Eastern gray squirrel	<i>Sciurus carolinensis</i>
Eastern mole	<i>Scalopus aquaticus</i>
Feral cat	<i>Felis domesticus</i>
Feral hog	<i>Sus scrofa</i>
Florida mouse	<i>Podomys floridanus</i>
Gray fox	<i>Urocyon cinereoargenteus</i>
Least shrew	<i>Cryptotis parva</i>
Long-tailed weasel	<i>Mustela frenata</i>
Marsh rabbit	<i>Sylvilagus palustris</i>
Norway rat	<i>Rattus norvegicus</i>
Opossum	<i>Didelphis virginiana</i>
Pocket gopher	<i>Geomys pinetis</i>
Raccoon	<i>Procyon lotor</i>
River otter	<i>Lutra canadensis</i>
Round-tailed muskrat	<i>Neofiber alleni</i>
Seminole bat	<i>Lasiurus seminolus</i>
Short-tailed shrew	<i>Blarina brevicauda</i>
Southeastern beach mouse	<i>Peromyscus polionotus niveiventris</i>
Spotted skunk	<i>Spilogale putorius</i>
White-tailed deer	<i>Odocoileus virginianus</i>
Yellow bat	<i>Lasiurus intermedius</i>

Table F-2: Amphibians and Reptiles Present on CCAFS

Common Name	Scientific Name
American alligator	<i>Alligator mississippiensis</i>
Atlantic loggerhead sea turtle	<i>Caretta caretta</i>
Black racer	<i>Coluber constrictor</i>
Broad-headed skink	<i>Eumeces laticeps</i>
Brown anole	<i>Anolis sagrei</i>
Corn snake	<i>Elaphe guttata guttata</i>
Dusky pygmy rattlesnake	<i>Sistrurus miliarius barbouri</i>
Eastern coachwhip	<i>Masticophis flagellum flagellum</i>
Eastern coral snake	<i>Micrurus fulvius fulvius</i>
Eastern diamondback	<i>Crotalus adamanteus</i>
Eastern garter snake	<i>Thamnophis sirtalis sirtalis</i>
Eastern indigo snake	<i>Drymarchon corais couperi</i>
Eastern narrow-mouthed toad	<i>Gastrophryne carolinensis</i>
Eastern spadefoot toad	<i>Scaphiopus holbrookii</i>
Florida box turtle	<i>Terrapene carolina bauri</i>
Florida cooter	<i>Chrysemys floridana floridana</i>
Florida pine snake	<i>Pituophis melanoleucus mugitus</i>
Florida red-bellied turtle	<i>Pseudemys nelsoni</i>
Florida softshell	<i>Trionyx ferox</i>
Gopher frog	<i>Rana capito</i>
Gopher tortoise	<i>Gopherus polyphemus</i>
Green anole	<i>Anolis carolinensis</i>
Green sea turtle	<i>Chelonia mydas</i>
Green treefrog	<i>Hyla cinerea</i>
Hawksbill sea turtle	<i>Eretmochelys imbricata</i>
Kemp's Ridley sea turtle	<i>Lepidochelys kempii</i>
Leatherback sea turtle	<i>Dermochelys coriacea</i>
Mangrove salt marsh snake	<i>Nerodia clarkii compressicauda</i>
Mediterranean gecko	<i>Hemidactylus turcicus</i>
Northern diamondback terrapin	<i>Malaclemys terrapin terrapin</i>
Rough green snake	<i>Opheodrys aestivus</i>
Six-lined racerunner	<i>Cnemidophorus sexlineatus</i>
Snapping turtle	<i>Chelydra serpentina</i>
Southern leopard frog	<i>Lithobates sphenoccephalus utricularius</i>
Southern ringneck snake	<i>Diadophis punctatus punctatus</i>
Squirrel treefrog	<i>Hyla squirella</i>
Striped mud turtle	<i>Kinosternon baurii</i>

Table F-3: Birds Present on CCAFS (page 1 of 4)

Common Name	Scientific Name
American coot	<i>Fulica americana</i>
American crow	<i>Corvus brachyrhynchos</i>
American oystercatcher	<i>Haematopus palliatus</i>
American redstart	<i>Setophaga ruticilla</i>
American robin	<i>Turdus migratorius</i>
Anhinga	<i>Anhinga anhinga</i>
Audubon's shearwater	<i>Puffinus lherminieri</i>
Bald eagle	<i>Haliaeetus leucocephalus</i>
Barn swallow	<i>Hirundo rustica</i>
Barred owl	<i>Strix varia</i>
Belted kingfisher	<i>Ceryle alcyon</i>
Black scoter	<i>Melanitta nigra</i>
Black skimmer	<i>Rynchops niger</i>
Black tern	<i>Chlidonias niger</i>
Black vulture	<i>Coragyps atratus</i>
Black-and-white warbler	<i>Mniotilta varia</i>
Black-bellied plover	<i>Pluvialis squatarola</i>
Blackburnian warbler	<i>Dendroica fusca</i>
Black-crowned night heron	<i>Nycticorax nycticorax</i>
Black-necked stilt	<i>Himantopus mexicanus</i>
Blackpoll warbler	<i>Dendroica striata</i>
Black-throated blue warbler	<i>Dendroica caerulescens</i>
Black-throated green warbler	<i>Dendroica virens</i>
Blue grosbeak	<i>Guiraca caerulea</i>
Blue jay	<i>Cyanocitta cristata</i>
Blue winged teal	<i>Anas discors</i>
Blue-gray gnatcatcher	<i>Polioptila caerulea</i>
Blue-winged warbler	<i>Vermivora pinus</i>
Boat-tailed grackle	<i>Quiscalus major</i>
Bobolink	<i>Dolichonyx oryzivorus</i>
Bonaparte's gull	<i>Larus philadelphia</i>
Brown pelican	<i>Pelecanus occidentalis</i>
Brown thrasher	<i>Toxostoma rufum</i>
Brown-headed cowbird	<i>Molothrus ater</i>
Cape May warbler	<i>Dendroica tigrina</i>
Carolina wren	<i>Thryothorus ludovicianus</i>
Caspian tern	<i>Sterna caspia</i>
Cattle egret	<i>Bubulcus ibis</i>
Cedar waxwing	<i>Bombycilla cedrorum</i>
Chestnut-sided warbler	<i>Dendroica pensylvanica</i>
Chimney swift	<i>Chaetura pelagica</i>
Chuck-will's-widow	<i>Caprimulgus carolinensis</i>
Clapper rail	<i>Rallus longirostris</i>
Common barn-owl	<i>Tyto alba</i>
Common eider	<i>Somateria mollissima</i>
Common grackle	<i>Quiscalus quiscula</i>
Common ground-dove	<i>Columbina passerina</i>

Table F-3: Birds Present on CCAFS (page 2 of 4)

Common Name	Scientific Name
Common loon	<i>Gavia immer</i>
Common moorhen	<i>Gallinula chloropus</i>
Common nighthawk	<i>Chordeiles minor</i>
Common tern	<i>Sterna hirundo</i>
Common yellowthroat	<i>Geothlypis trichas</i>
Cooper's hawk	<i>Accipiter cooperii</i>
Double-crested cormorant	<i>Phalacrocorax auritus</i>
Downy woodpecker	<i>Picoides pubescens</i>
Dunlin	<i>Calidris alpina</i>
Eastern kingbird	<i>Tyrannus tyrannus</i>
Eastern phoebe	<i>Sayornis phoebe</i>
Eastern screech-owl	<i>Otus asio</i>
Eastern towhee	<i>Pipilo erythrophthalmus</i>
Eastern wood-pewee	<i>Contopus virens</i>
Eurasian collared dove	<i>Streptopelia decaocto</i>
European starling	<i>Sturnus vulgaris</i>
Fish crow	<i>Corvus ossifragus</i>
Florida scrub jay	<i>Aphelocoma coerulescens</i>
Forster's tern	<i>Sterna forsteri</i>
Glossy ibis	<i>Plegadis falcinellus</i>
Grasshopper sparrow	<i>Ammodramus savannarum</i>
Gray catbird	<i>Dumetella carolinensis</i>
Gray kingbird	<i>Tyrannus dominicensis</i>
Great black-backed gull	<i>Larus marinus</i>
Great blue heron	<i>Ardea herodias</i>
Great egret	<i>Ardea alba</i>
Great horned owl	<i>Bubo virginianus</i>
Great-crested flycatcher	<i>Myiarchus crinitus</i>
Greater shearwater	<i>Puffinus griseus</i>
Greater yellowlegs	<i>Tringa melanoleuca</i>
Green heron	<i>Butorides virescens</i>
Gull-billed tern	<i>Sterna nilotica</i>
Hermit thrush	<i>Catharus guttatus</i>
Herring gull	<i>Larus argentatus</i>
Hooded warbler	<i>Wilsonia citrina</i>
House sparrow	<i>Passer domesticus</i>
House wren	<i>Troglodytes aedon</i>
Indigo bunting	<i>Passerina cyanea</i>
Kentucky warbler	<i>Oporornis formosus</i>
Killdeer	<i>Charadrius vociferus</i>
Laughing gull	<i>Larus atricilla</i>
Least tern	<i>Sterna antillarum</i>
Lesser scaup	<i>Aythya affinis</i>
Lesser yellowlegs	<i>Tringa flavipes</i>
Little blue heron	<i>Egretta caerulea</i>
Loggerhead shrike	<i>Lanius ludovicianus</i>
Louisiana waterthrush	<i>Seiurus motacilla</i>

Table F-3: Birds Present on CCAFS (page 3 of 4)

Common Name	Scientific Name
Magnificent frigatebird	<i>Fregata magnificens</i>
Marbled godwit	<i>Limosa fedoa</i>
Marsh wren	<i>Cistothorus palustris</i>
Merlin	<i>Falco columbarius</i>
Mississippi kite	<i>Ictinia mississippiensis</i>
Mottled duck	<i>Anas fulvigula</i>
Mourning dove	<i>Zenaida macroura</i>
Nashville warbler	<i>Vermivora ruficapilla</i>
Northern bobwhite	<i>Colinus virginianus</i>
Northern cardinal	<i>Cardinalis cardinalis</i>
Northern flicker	<i>Colaptes auratus</i>
Northern gannett	<i>Morus bassanus</i>
Northern harrier	<i>Circus cyaneus</i>
Northern mockingbird	<i>Mimus polyglottos</i>
Northern parula	<i>Parula americana</i>
Northern pintail	<i>Anas acuta</i>
Northern waterthrush	<i>Seiurus noveboracensis</i>
Orange-crowned warbler	<i>Vermivora celata</i>
Orchard oriole	<i>Icterus spurius</i>
Osprey	<i>Pandion haliaetus</i>
Ovenbird	<i>Seiurus aurocapillus</i>
Painted bunting	<i>Passerina ciris</i>
Palm warbler	<i>Dendroica palmarum</i>
Peregrine falcon	<i>Falco peregrinus</i>
Pied-billed grebe	<i>Podilymbus podiceps</i>
Pileated woodpecker	<i>Dryocopus pileatus</i>
Pine warbler	<i>Dendroica pinus</i>
Piping plover	<i>Charadrius melodus</i>
Prairie warbler	<i>Dendroica discolor</i>
Pronthonotary warbler	<i>Protonotaria citrea</i>
Red knot	<i>Calidris canutus</i>
Red-bellied woodpecker	<i>Melanerpes carolinus</i>
Red-breasted merganser	<i>Mergus serrator</i>
Reddish egret	<i>Egretta rufescens</i>
Red-eyed vireo	<i>Vireo olivaceus</i>
Red-shouldered hawk	<i>Buteo lineatus</i>
Red-tailed hawk	<i>Buteo jamaicensis</i>
Red-winged blackbird	<i>Agelaius phoeniceus</i>
Ring-billed gull	<i>Larus delawarensis</i>
Rock dove	<i>Columba livia</i>
Roseate spoonbill	<i>Ajaia ajaja</i>
Rose-breasted grosbeak	<i>Pheucticus ludovicianus</i>
Royal tern	<i>Sterna maxima</i>
Ruby-crowned kinglet	<i>Regulus calendula</i>
Ruddy turnstone	<i>Arenaria interpres</i>
Sanderling	<i>Calidris alba</i>

Table F-3: Birds Present on CCAFS (page 4 of 4)

Common Name	Scientific Name
Savannah sparrow	<i>Passerculus sandwichensis</i>
Sedge wren	<i>Cistothorus platensis</i>
Semipalmated plover	<i>Charadrius semipalmatus</i>
Sharp-shinned hawk	<i>Accipiter striatus</i>
Short-billed dowitcher	<i>Limnodromus griseus</i>
Shoveler	<i>Anas clypeata</i>
Snipe	<i>Gallinago gallinago</i>
Snow goose	<i>Chen caerulescens</i>
Snowy egret	<i>Egretta thula</i>
Solitary sandpiper	<i>Tringa solitaria</i>
Solitary vireo	<i>Vireo solitarius</i>
Sooty tern	<i>Sterna fuscata</i>
Sora	<i>Porzana carolina</i>
Southeastern American kestrel	<i>Falco sparverius</i>
Spotted sandpiper	<i>Actitis macularia</i>
Summer tanager	<i>Piranga rubra</i>
Tree swallow	<i>Tachycineta bicolor</i>
Tricolored heron	<i>Egretta tricolor</i>
Turkey vulture	<i>Cathartes aura</i>
Veery	<i>Catharus fuscescens</i>
Virginia rail	<i>Rallus limicola</i>
Western kingbird	<i>Tyrannus verticalis</i>
Western sandpiper	<i>Calidris mauri</i>
Whip-poor-will	<i>Caprimulgus vociferus</i>
White ibis	<i>Eudocimus albus</i>
White pelican	<i>Pelecanus erythrorhynchos</i>
White-eyed vireo	<i>Vireo griseus</i>
Willet	<i>Catoptrophorus semipalmatus</i>
Wilson's plover	<i>Charadrius wilsonia</i>
Wood stork	<i>Mycteria americana</i>
Worm-eating warbler	<i>Helmitheros vermivorus</i>
Yellow-billed cuckoo	<i>Coccyzus americanus</i>
Yellow-breasted chat	<i>Icteria virens</i>
Yellow-rumped warbler	<i>Dendroica coronata</i>
Yellow-throated vireo	<i>Vireo flavifrons</i>

Table F-4: Mammals Present on PAFB

Common Name	Scientific Name
Armadillo	<i>Dasyus novemcinctus</i>
Gray squirrel	<i>Sciurus carolinensis</i>
House mouse	<i>Mus musculus</i>
Opossum	<i>Didelphis virginiana</i>
Rabbits	<i>Sylvilagus spp.</i>
Raccoon	<i>Procyon lotor</i>

Table F-5: Amphibians and Reptiles Present on PAFB

Common Name	Scientific Name
American alligator	<i>Alligator mississippiensis</i>
Brown anole	<i>Anolis sagrei</i>
Corn snake	<i>Elaphe guttata guttata</i>
Florida cooter	<i>Chrysemys floridana</i>
Florida softshell	<i>Trionyx ferox</i>
Green tree frog	<i>Hyla cinerea</i>
Northern black racer	<i>Coluber constrictor</i>
Snapping turtle	<i>Chelydra serpentina</i>

Table F-6: Birds Present on PAFB (page 1 of 2)

Common Name	Scientific Name
American coot	<i>Fulica americana</i>
American redstart	<i>Setophaga ruticilla</i>
American white pelican	<i>Pelecanus erythrorhynchos</i>
American widgeon	<i>Anas americana</i>
Anhinga	<i>Anhinga anhinga</i>
Black tern	<i>Chilidonias niger</i>
Black-bellied plover	<i>Pluvialis squatarola</i>
Black-crowned night heron	<i>Nycticorax nycticorax</i>
Black-throated blue warbler	<i>Dendroica caerulescens</i>
Black-throated green warbler	<i>Dendroica virens</i>
Blue-winged teal	<i>Anas discors</i>
Bonaparte's gull	<i>Larus philadelphia</i>
Caspian tern	<i>Sterna caspia</i>
Cattle egret	<i>Bubulcus ibis</i>
Common moorhen	<i>Gallinula chloropus</i>
Common snipe	<i>Gallinago gallinago</i>
Double-crested cormorant	<i>Phalacrocorax auritus</i>
Dunlin	<i>Calidris alpina</i>
Glossy ibis	<i>Plegadis falcinellus</i>
Great black-backed gull	<i>Larus marinus</i>
Great blue heron	<i>Ardea herodias</i>
Great egret	<i>Ardea alba</i>
Green heron	<i>Butorides virescens</i>
Herring gull	<i>Larus argentatus</i>
Killdeer	<i>Charadrius vociferus</i>
Laughing gull	<i>Larus atricilla</i>
Lesser scaup	<i>Aythya affinis</i>
Magnolia warbler	<i>Dendroica magnolia</i>
Mallard	<i>Anas platyrhynchos</i>
Mottled duck	<i>Anas fulvigula</i>
Northern shoveler	<i>Anas clypeata</i>
Osprey	<i>Pandion haliaetus</i>
Pied-billed grebe	<i>Podilymbus podiceps</i>
Prairie warbler	<i>Dendroica discolor</i>
Ring-billed gull	<i>Larus delawarensis</i>
Ring-necked duck	<i>Aythya collaris</i>
Royal tern	<i>Sterna maxima</i>
Ruddy turnstone	<i>Arenaria interpres</i>
Sanderling	<i>Calidris alba</i>
Sandwich tern	<i>Sterna sandvicensis</i>
Savannah sparrow	<i>Passerculus sandwichensis</i>
Semipalmated plover	<i>Charadrius semipalmatus</i>
Spotted sandpiper	<i>Actitis macularia</i>
Whimbrel	<i>Numenius phaeopus</i>
Willet	<i>Catoptrophorus semipalmatus</i>
Yellow-rumped warbler	<i>Dendroica coronata</i>

Table F-7: Mammals Present on MTA

Common Name	Scientific Name
Armadillo, Nine-banded	<i>Dasyus novemcinctus</i>
Big brown bat ^(a, b)	<i>Eptesicus fuscus</i>
Bobcat	<i>Lynx rufus</i>
Brazilian free-tailed bat ^(a, b)	<i>Tadarida brasiliensis</i>
Coyote ^(a)	<i>Canis latrans</i>
Eastern red/Seminole bat ^(a, b)	<i>Lasiurus borealis</i>
Evening bat ^(a, b)	<i>Nycticeius humeralis</i>
Feral hog ^(a)	<i>Sus scrofa</i>
Gray squirrel	<i>Sciurus carolinensis</i>
Northern yellow bat ^(a, b)	<i>Lasiurus intermedius</i>
Opossum	<i>Didelphis virginiana</i>
Rabbits	<i>Sylvilagus spp.</i>
Raccoon	<i>Procyon lotor</i>
River otter	<i>Lutra canadensis</i>
Southeastern myotis ^(a, b)	<i>Myotis austroriparius</i>
Spotted skunk	<i>Spilogale putorius</i>
Tri-colored bat (Eastern pipistrelle) ^(a, b)	<i>Perimyotis subflavus</i>
White-tailed deer	<i>Odocoileus virginianus</i>

Source: USAF 2008; VZ Technologies et al. 2014)

(a) Added to table in 2014 (VZ Technologies et al. 2014)

(b) Bats identified during nighttime acoustic survey (VZ Technologies et al. 2014)

Table F-8: Amphibians and Reptiles Present on MTA

Common Name	Scientific Name
Brown anole	<i>Anolis sagrei</i>
Diamondback rattlesnake	<i>Crotalus adamanteus</i>
Eastern garter snake	<i>Thamnophis sirtalis</i>
Eastern indigo snake	<i>Drymarchon corais couperi</i>
Eastern spadefoot	<i>Scaphiopus holbrookii</i>
Fence lizard	<i>Sceloporus undulatus</i>
Florida box turtle	<i>Terrapene carolina</i>
Gopher tortoise	<i>Gopherus polyphemus</i>
Green anole	<i>Anolis carolinensis</i>
Green tree frog	<i>Hyla cinerea</i>
Greenhouse frog	<i>Eleutherodactylus planirostris</i>
Ground Skink	<i>Scincella lateralis</i>
Leopard frog	<i>Rana utricularia</i>
Northern black racer	<i>Coluber constrictor</i>
Six-lined racerunner	<i>Cnemidophorus sexlineatus</i>
Southeastern five-line skink	<i>Eumeces inexpectatus</i>
Southern toad	<i>Bufo terrestris</i>
Squirrel treefrog	<i>Hyla squirrela</i>

Table F-9: Birds Present on MTA and their Seasonality (page 1 of 2)

Common Name	Scientific Name	Season
American crow	<i>Corvus brachyrhynchos</i>	YR
American redstart	<i>Setophaga ruticilla</i>	M
American robin	<i>Turdus migratorius</i>	W
American kestrel ^(a)	<i>Falco sparverius</i>	YR
Bald eagle ^(a)	<i>Haliaeetus leucocephalus</i>	B
Barred owl	<i>Strix varia</i>	YR
Black vulture	<i>Coragyps atratus</i>	YR
Black-and-white warbler	<i>Mniotilta varia</i>	M
Blackburnian warbler	<i>Dendroica fusca</i>	M
Black-throated blue warbler	<i>Dendroica caerulescens</i>	M
Blue jay	<i>Cyanocitta cristata</i>	YR
Blue-gray gnatcatcher	<i>Polioptila caerulea</i>	YR
Brown thrasher	<i>Toxostoma rufum</i>	YR
Carolina wren	<i>Thryothorus ludovicianus</i>	YR
Cattle egret	<i>Ardea herodias</i>	YR
Cedar waxwing	<i>Bombycilla cedrorum</i>	W
Chuck-will's-widow	<i>Caprimulgus carolinensis</i>	YR
Common grackle	<i>Quiscalus quiscula</i>	YR
Common ground dove	<i>Columbina passerina</i>	YR
Common nighthawk	<i>Chordeiles minor</i>	B/S
Common snipe	<i>Gallinago gallinago</i>	W
Common yellowthroat	<i>Geothlypis trichas</i>	YR
Cooper's hawk ^(a)	<i>Accipiter cooperii</i>	YR
Downy woodpecker	<i>Picoides pubescens</i>	YR
European starling	<i>Sturnus vulgaris</i>	YR
Fish crow	<i>Corvus ossifragus</i>	YR
Grasshopper sparrow	<i>Ammodramus savannarum</i>	W
Gray catbird	<i>Dumetella carolinensis</i>	W
Great blue heron	<i>Bubulcus ibis</i>	YR
Great egret	<i>Ardea alba</i>	YR
Great-crested flycatcher	<i>Myiarchus crinitus</i>	M
Great horned owl ^(a)	<i>Bubo virginianus</i>	YR
Hairy woodpecker	<i>Picoides villosus</i>	YR
House wren	<i>Troglodytes aedon</i>	W
Killdeer	<i>Charadrius vociferus</i>	YR
Mourning dove	<i>Zenaida macroura</i>	YR
Northern cardinal	<i>Cardinalis cardinalis</i>	YR
Northern flicker	<i>Colaptes auratus</i>	YR
Northern mockingbird	<i>Mimus polyglottos</i>	YR
Northern parula	<i>Parula americana</i>	M
Osprey	<i>Pandion haliaetus</i>	YR
Ovenbird	<i>Seiurus aurocapillus</i>	W/M
Palm warbler	<i>Dendroica palmarum</i>	W
Pileated woodpecker	<i>Dryocopus pileatus</i>	YR
Pine warbler	<i>Dendroica pinus</i>	YR
Prairie warbler	<i>Dendroica dominica</i>	W/M
Red-bellied woodpecker	<i>Melanerpes carolinus</i>	YR

Table F-9. Birds Present on MTA and their Seasonality (page 2 of 2)

Common Name	Scientific Name	Season
Red-shouldered hawk	<i>Buteo lineatus</i>	YR
Red-tailed hawk	<i>Buteo jamaicensis</i>	YR
Rose-breasted grosbeak	<i>Pheucticus ludovicianus</i>	M
Rufous-sided towhee	<i>Pipilo erythrophthalmus</i>	YR
Sharp-shinned hawk ^(a)	<i>Accipiter striatus</i>	W
Solitary vireo	<i>Vireo solitarius</i>	W
Turkey vulture	<i>Cathartes aura</i>	YR
White-eyed vireo	<i>Vireo griseus</i>	YR
Yellow-rumped warbler	<i>Dendroica coronata</i>	W

Source: USAF 2008; VZ Technologies et al. 2014;

(a) These species are new (2014) additions to table, based on *Malabar Transmitter Annex Baseline Biological Survey* (VZ Technologies et al. 2014). Bald eagle was observed on one occasion, perched in a mature slash pine tree within MTA (VZ Technologies et al 2014).

YR - Year-round resident

W - Winter Resident; WM -Winter Migrant

B - Breeds in Florida in summer

M - Resident in winter

Table F-10: Birds Present on JDMTA and their Seasonality (page 1 of 2)

Common Name	Scientific Name	Season
American crow	<i>Corvus brachyrhynchos</i>	YR
American redstart	<i>Setophaga ruticilla</i>	M
American robin	<i>Turdus migratorius</i>	W
Barred owl	<i>Strix varia Barton</i>	YR
Black vulture	<i>Coragyps atratus</i>	YR
Black-and-white warbler	<i>Mniotilta varia</i>	M
Blackburnian warbler	<i>Dendroica fusca</i>	M
Black-throated blue warbler	<i>Dendroica caerulescens</i>	M
Blue jay	<i>Cyanocitta cristata</i>	YR
Blue-gray gnatcatcher	<i>Poliophtila caerulea</i>	YR
Brown thrasher	<i>Toxostoma rufum</i>	YR
Carolina wren	<i>Thryothorus ludovicianus</i>	YR
Cattle egret	<i>Ardea herodias</i>	YR
Cedar waxwing	<i>Bombycilla cedrorum</i>	W
Chuck-will's-widow	<i>Caprimulgus carolinensis</i>	YR
Common grackle	<i>Quiscalus quiscula</i>	YR
Common ground dove	<i>Columbina passerina</i>	YR
Common nighthawk	<i>Chordeiles minor</i>	B/S
Common snipe	<i>Gallinago gallinago</i>	W
Common yellowthroat	<i>Geothlypis trichas</i>	YR
Downy woodpecker	<i>Picoides pubescens</i>	YR
European starling	<i>Sturnus vulgaris</i>	YR
Fish crow	<i>Corvus ossifragus</i>	YR
Grasshopper sparrow	<i>Ammodramus savannarum</i>	W
Gray catbird	<i>Dumetella carolinensis</i>	W
Great blue heron	<i>Bubulcus ibis</i>	YR
Great egret	<i>Ardea alba</i>	YR
Great-crested flycatcher	<i>Myiarchus crinitus</i>	M
Hairy woodpecker	<i>Picoides villosus</i>	YR
House wren	<i>Troglodytes aedon</i>	W
Killdeer	<i>Charadrius vociferus</i>	YR
Mourning dove	<i>Zenaida macroura</i>	YR
Northern cardinal	<i>Cardinalis cardinalis</i>	YR
Northern flicker	<i>Colaptes auratus</i>	YR
Northern mockingbird	<i>Mimus polyglottos</i>	YR
Northern parula	<i>Parula americana</i>	M
Osprey	<i>Pandion haliaetus</i>	YR
Ovenbird	<i>Seiurus aurocapillus</i>	W/M
Palm warbler	<i>Dendroica palmarum</i>	W
Pileated woodpecker	<i>Dryocopus pileatus</i>	YR
Pine warbler	<i>Dendroica pinus</i>	YR
Prairie warbler	<i>Dendroica dominica</i>	W/M
Red-bellied woodpecker	<i>Melanerpes carolinus</i>	YR
Red-shouldered hawk	<i>Buteo lineatus</i>	YR
Red-tailed hawk	<i>Buteo jamaicensis</i>	YR
Rose-breasted grosbeak	<i>Pheucticus ludovicianus</i>	M
Rufous-sided towhee	<i>Pipilo erythrophthalmus</i>	YR

Table F-10: Birds Present on JDMTA and their Seasonality (page 2 of 2)

Common Name	Scientific Name	Season
Solitary vireo	<i>Vireo solitarius</i>	W
Turkey vulture	<i>Cathartes aura</i>	YR
White-eyed vireo	<i>Vireo griseus</i>	YR
Yellow-rumped warbler	<i>Dendroica coronata</i>	W

Source: USFF, 2008;

YR - Year-round resident

W - Winter Resident; WM -Winter Migrant

B - Breeds in Florida in summer

M - Resident in winter