

Appendix F: Ecology

F-2 Terrestrial Resources Tables

**Table F-2-1
2000-2005 Breeding Bird Atlas Results for Census Blocks**

| Common name | Scientific name |
|--------------------------------------|-----------------------------------|
| Canada Goose | <i>Branta canadensis</i> |
| Mute Swan | <i>Cygnus olor</i> |
| Mallard | <i>Anas platyrhynchos</i> |
| Ring-necked Pheasant | <i>Phasianus colchicus</i> |
| Wild Turkey | <i>Meleagris gallopavo</i> |
| Double-crested Cormorant | <i>Phalacrocorax auritus</i> |
| Great Blue Heron | <i>Ardea herodias</i> |
| Green Heron | <i>Butorides virescens</i> |
| Black-crowned Night-Heron | <i>Nycticorax nycticorax</i> |
| Osprey* | <i>Pandion haliaetus</i> |
| Turkey Vulture | <i>Cathartes aura</i> |
| Red-tailed Hawk | <i>Buteo jamaicensis</i> |
| Peregrine Falcon* | <i>Falco peregrinus</i> |
| Killdeer | <i>Charadrius vociferus</i> |
| Spotted Sandpiper | <i>Actitis macularius</i> |
| American Woodcock | <i>Scolopax minor</i> |
| Rock Pigeon | <i>Columba livia</i> |
| Mourning Dove | <i>Zenaida macroura</i> |
| Eastern Screech-Owl | <i>Megascops asio</i> |
| Chimney Swift | <i>Chaetura pelagica</i> |
| Belted Kingfisher | <i>Megaceryle alcyon</i> |
| Red-bellied Woodpecker | <i>Melanerpes carolinus</i> |
| Downy Woodpecker | <i>Picoides pubescens</i> |
| Hairy Woodpecker | <i>Picoides villosus</i> |
| Northern Flicker | <i>Colaptes auratus</i> |
| Pileated Woodpecker | <i>Dryocopus pileatus</i> |
| Eastern Wood-Pewee | <i>Contopus virens</i> |
| Willow Flycatcher | <i>Empidonax traillii</i> |
| Eastern Phoebe | <i>Sayornis phoebe</i> |
| Great Crested Flycatcher | <i>Myiarchus crinitus</i> |
| Eastern Kingbird | <i>Tyrannus tyrannus</i> |
| White-eyed Vireo | <i>Vireo griseus</i> |
| Yellow-throated Vireo | <i>Vireo flavifrons</i> |
| Warbling Vireo | <i>Vireo gilvus</i> |
| Red-eyed Vireo | <i>Vireo olivaceus</i> |
| Blue Jay | <i>Cyanocitta cristata</i> |
| American Crow | <i>Corvus brachyrhynchos</i> |
| Fish Crow | <i>Corvus ossifragus</i> |
| Tree Swallow | <i>Tachycineta bicolor</i> |
| Northern Rough-winged Swallow | <i>Stelgidopteryx serripennis</i> |
| Bank Swallow | <i>Riparia riparia</i> |
| Barn Swallow | <i>Hirundo rustica</i> |
| Black-capped Chickadee | <i>Poecile atricapillus</i> |
| Tufted Titmouse | <i>Baeolophus bicolor</i> |
| White-breasted Nuthatch | <i>Sitta carolinensis</i> |
| Carolina Wren | <i>Thryothorus ludovicianus</i> |
| House Wren | <i>Troglodytes aedon</i> |

**Table F-2-1
2000-2005 Breeding Bird Atlas Results for Census Blocks**

| | |
|---|--------------------------------|
| Eastern Bluebird | <i>Sialia sialis</i> |
| Veery | <i>Catharus fuscescens</i> |
| Wood Thrush | <i>Hylocichla mustelina</i> |
| American Robin | <i>Turdus migratorius</i> |
| Gray Catbird | <i>Dumetella carolinensis</i> |
| Northern Mockingbird | <i>Mimus polyglottos</i> |
| Brown Thrasher | <i>Toxostoma rufum</i> |
| European Starling | <i>Sturnus vulgaris</i> |
| Cedar Waxwing | <i>Bombycilla cedrorum</i> |
| Blue-winged Warbler | <i>Vermivora pinus</i> |
| Yellow Warbler | <i>Dendroica petechia</i> |
| Black-throated Blue Warbler | <i>Dendroica caerulescens</i> |
| Black-throated Green Warbler | <i>Dendroica virens</i> |
| Pine Warbler | <i>Dendroica pinus</i> |
| Prairie Warbler | <i>Dendroica discolor</i> |
| Black-and-white Warbler | <i>Mniotilta varia</i> |
| American Redstart | <i>Setophaga ruticilla</i> |
| Worm-eating Warbler | <i>Helmitheros vermivorum</i> |
| Ovenbird | <i>Seiurus aurocapilla</i> |
| Northern Waterthrush | <i>Seiurus noveboracensis</i> |
| Louisiana Waterthrush | <i>Seiurus motacilla</i> |
| Kentucky Warbler | <i>Oporornis formosus</i> |
| Common Yellowthroat | <i>Geothlypis trichas</i> |
| Canada Warbler | <i>Wilsonia canadensis</i> |
| Hooded Warbler | <i>Wilsonia citrina</i> |
| Eastern Towhee | <i>Pipilo erythrophthalmus</i> |
| Chipping Sparrow | <i>Spizella passerina</i> |
| Song Sparrow | <i>Melospiza melodia</i> |
| Swamp Sparrow | <i>Melospiza georgiana</i> |
| White-throated Sparrow | <i>Zonotrichia albicollis</i> |
| Dark-eyed Junco | <i>Junco hyemalis</i> |
| Scarlet Tanager | <i>Piranga olivacea</i> |
| Northern Cardinal | <i>Cardinalis cardinalis</i> |
| Rose-breasted Grosbeak | <i>Pheucticus ludovicianus</i> |
| Indigo Bunting | <i>Passerina cyanea</i> |
| Red-winged Blackbird | <i>Agelaius phoeniceus</i> |
| Common Grackle | <i>Quiscalus quiscula</i> |
| Brown-headed Cowbird | <i>Molothrus ater</i> |
| Orchard Oriole | <i>Icterus spurius</i> |
| Baltimore Oriole | <i>Icterus galbula</i> |
| Purple Finch | <i>Carpodacus purpureus</i> |
| House Finch | <i>Carpodacus mexicanus</i> |
| American Goldfinch | <i>Spinus tristis</i> |
| House Sparrow | <i>Passer domesticus</i> |
| Source: 2000-2005 NYS Breeding Bird Atlas results for Blocks 5854B and 5954A. | |
| Notes: Boldface indicates the subset of species with potential to nest in the study area based on the habitat present. *NYSDEC-listed species. | |

Table F-2-2
Mammals with Potential to Occur in the Study Area

| Common name | Scientific name |
|--------------------|----------------------------------|
| Virginia opossum | <i>Didelphis virginiana</i> |
| Moles | <i>Scalopus spp.</i> |
| Little brown bat | <i>Myotis lucifugus</i> |
| Big brown bat | <i>Eptesicus fuscus</i> |
| Hoary bat | <i>Lasiurus cenerius</i> |
| Silver-haired bat | <i>Lasionycteris noctivagans</i> |
| Eastern red bat | <i>Lasiurus borealis</i> |
| Eastern cottontail | <i>Sylvilagus floridanus</i> |
| Groundhog | <i>Marmota monax</i> |
| Eastern chipmunk | <i>Tamias striatus</i> |
| Gray squirrel | <i>Sciurus carolinensis</i> |
| White-footed mouse | <i>Peromyscus leucopus</i> |
| House mouse | <i>Mus musculus</i> |
| Eastern coyote | <i>Canis latrans</i> |
| Red fox | <i>Vulpes vulpes</i> |
| Raccoon | <i>Procyon lotor</i> |
| Striped skunk | <i>Mephitis mephitis</i> |
| White-tailed deer | <i>Odocoileus virginianus</i> |

Table F-2-3
Reptile and Amphibian Species Recorded by the
NYSDEC Herp Atlas Project near the Study Area

| Common name | Scientific name |
|--|----------------------------------|
| Marbled salamander ¹ | <i>Ambystoma opacum</i> |
| Spotted salamander | <i>Ambystoma maculatum</i> |
| Eastern newt | <i>Notophthalmus viridescens</i> |
| Northern redback salamander | <i>Plethodon cinereus</i> |
| Northern slimy salamander | <i>Plethodon glutinosus</i> |
| Northern two-lined salamander | <i>Eurycea bislineata</i> |
| American toad | <i>Bufo americanus</i> |
| Fowler's toad | <i>Bufo fowleri</i> |
| Gray treefrog | <i>Hyla versicolor</i> |
| Spring peeper | <i>Pseudacris crucifer</i> |
| Bullfrog | <i>Rana catesbeiana</i> |
| Green frog | <i>Rana clamitans</i> |
| Wood frog | <i>Rana sylvatica</i> |
| Southern leopard frog ¹ | <i>Rana sphenoccephala</i> |
| Northern watersnake | <i>Nerodia sipedon</i> |
| Northern brown snake | <i>Storeria dekayi</i> |
| Common garter snake | <i>Thamnophis sirtalis</i> |
| Ring-neck snake | <i>Diadophis punctatus</i> |
| Black racer | <i>Coluber constrictor</i> |
| Common snapping turtle | <i>Chelydra serpentina</i> |
| Spotted turtle ¹ | <i>Clemmys guttata</i> |
| Musk turtle | <i>Sternotherus odoratum</i> |
| Eastern box turtle ¹ | <i>Terrapene carolina</i> |
| Northern diamondback terrapin | <i>Malaclemys terrapin</i> |
| Painted turtle | <i>Chrysemys picta</i> |
| ¹ NYS Species of Special Concern Notes: List represents species documented in “White Plains” and “Nyack” USGS quadrants. Boldface indicates the subset of species with the potential to occur in the study area based on the habitat present (Mitchell et al. 2006, Gibbs et al. 2007). | |

Table F-2-4
Threatened, Endangered, Candidate, and Special Concern Species
Known to Occur in Westchester and/or Rockland County, NY

| | Scientific name | Status |
|--|---|--------|
| Plants | | |
| Late flowering boneset | <i>Eupatorium serotinum</i> | NY-E |
| Birds | | |
| Golden eagle ¹ | <i>Aquila chrysaetos</i> | NY-E |
| Bald eagle | <i>Haliaeetus leucocephalus</i> | NY-T |
| Peregrine falcon | <i>Falco peregrinus</i> | NY-E |
| Osprey | <i>Pandion haliaetus</i> | NY-SC |
| Sharp-shinned hawk | <i>Accipiter striatus</i> | NY-SC |
| Cooper's hawk | <i>Accipiter cooperii</i> | NY-SC |
| Red-shouldered hawk ¹ | <i>Buteo lineatus</i> | NY-SC |
| Northern goshawk ¹ | <i>Accipiter gentilis</i> | NY-SC |
| Northern harrier ¹ | <i>Circus cyaneus</i> | NY-SC |
| Pied-billed grebe | <i>Podilymbus podiceps</i> | NY-SC |
| Common loon | <i>Gavia immer</i> | NY-SC |
| Mammals | | |
| Indiana bat | <i>Myotis sodalis</i> | US-E |
| New England cottontail | <i>Sylvilagus transitionalis</i> | US-C |
| Reptiles and amphibians | | |
| Bog turtle | <i>Clemmys [Glyptemys] muhlenbergii</i> | US-E |
| Eastern box turtle | <i>Terrapene carolina</i> | NY-SC |
| Spotted turtle | <i>Clemmys guttata</i> | NY-SC |
| Marbled salamander | <i>Ambystoma opacum</i> | NY-SC |
| Southern leopard frog | <i>Rana sphenoccephala</i> | NY-SC |
| <p>Sources: USFWS County Lists; NYNHP Environmental Resource Mapper; NYNHP request letters; Hook Mountain Hawk Watch data; 2000-2005 NYS Breeding Bird Atlas; 2010 Audubon Christmas Bird Count.</p> <p>Notes: ¹Occurance in study area primarily limited to passage overhead during migration.</p> <p>E=Endangered; T=Threatened; C=Candidate; SC=Special Concern.</p> | | |

Table F-2-5

Relative Commonness of Bird Species Occurring in the Lower Hudson Valley

| Common name | Scientific name | Spring | Summer | Fall | Winter |
|----------------------------|--------------------------------|--------|--------|------|--------|
| Snow Goose | <i>Chen caerulescens</i> | U | | U | O |
| Brant | <i>Branta bernicla</i> | U | R | U | O |
| Canada Goose | <i>Branta canadensis</i> | C | C | C | C |
| Mute Swan | <i>Cygnus olor</i> | C | C | C | C |
| Wood Duck | <i>Aix sponsa</i> | C | C | C | U |
| Gadwall | <i>Anas strepera</i> | U | R | U | U |
| American Wigeon | <i>Anas americana</i> | C | R | C | C |
| American Black Duck | <i>Anas rubripes</i> | C | C | C | C |
| Mallard | <i>Anas platyrhynchos</i> | C | C | C | C |
| Blue-winged Teal | <i>Anas discors</i> | C | U | C | R |
| Northern Shoveler | <i>Anas clypeata</i> | U | R | U | O |
| Northern Pintail | <i>Anas acuta</i> | U | | U | O |
| Green-winged Teal | <i>Anas crecca</i> | C | O | C | O |
| Canvasback | <i>Aythya valisineria</i> | C | R | U | C |
| Redhead | <i>Aythya americana</i> | O | | U | O |
| Ring-necked Duck | <i>Aythya collaris</i> | U | | O | U |
| Greater Scaup | <i>Aythya marila</i> | C | R | C | C |
| Lesser Scaup | <i>Aythya affinis</i> | C | R | C | U |
| Surf Scoter | <i>Melanitta perspicillata</i> | O | | O | O |
| White-winged Scoter | <i>Melanitta fusca</i> | U | R | U | O |
| Black Scoter | <i>Melanitta americana</i> | O | | O | O |
| Long-tailed Duck | <i>Clangula hyemalis</i> | C | R | U | C |
| Bufflehead | <i>Bucephala albeola</i> | C | R | C | C |
| Common Goldeneye | <i>Bucephala clangula</i> | C | R | U | C |
| Hooded Merganser | <i>Lophodytes cucullatus</i> | C | | C | C |
| Common Merganser | <i>Mergus merganser</i> | C | R | C | C |
| Red-breasted Merganser | <i>Mergus serrator</i> | C | R | C | C |
| Ruddy Duck | <i>Oxyura jamaicensis</i> | C | R | C | C |
| Northern Bobwhite | <i>Colinus virginianus</i> | R | R | R | R |
| Ring-necked Pheasant | <i>Phasianus colchicus</i> | R | R | R | R |
| Ruffed Grouse | <i>Bonasa umbellus</i> | U | U | U | U |
| Wild Turkey | <i>Meleagris gallopavo</i> | C | C | C | C |
| Red-throated Loon | <i>Gavia stellata</i> | O | | C | U |
| Common Loon | <i>Gavia immer</i> | U | R | C | U |
| Pied-billed Grebe | <i>Podilymbus podiceps</i> | U | R | C | U |
| Horned Grebe | <i>Podiceps auritus</i> | U | | U | C |
| Red-necked Grebe | <i>Podiceps grisegena</i> | O | | R | O |
| Double-crested Cormorant | <i>Phalacrocorax auritus</i> | C | C | C | O |
| Great Cormorant | <i>Phalacrocorax carbo</i> | C | R | C | C |
| American Bittern | <i>Botaurus lentiginosus</i> | O | | O | R |
| Least Bittern | <i>Ixobrychus exilis</i> | O | O | R | |
| Great Blue Heron | <i>Ardea herodias</i> | C | U | C | C |
| Great Egret | <i>Ardea alba</i> | C | C | C | R |
| Snowy Egret | <i>Egretta thula</i> | U | R | U | |
| Little Blue Heron | <i>Egretta caerulea</i> | O | U | O | |
| Green Heron | <i>Butorides virescens</i> | C | C | C | |
| Black-crowned Night-Heron | <i>Nycticorax nycticorax</i> | C | C | C | U |
| Yellow-crowned Night-Heron | <i>Nyctanassa violacea</i> | O | O | O | |
| Glossy Ibis | <i>Plegadis falcinellus</i> | U | U | O | |
| Black Vulture | <i>Coragyps atratus</i> | U | U | U | U |
| Turkey Vulture | <i>Cathartes aura</i> | C | C | C | U |

Table F-2-5
Relative Commonness of Bird Species Occurring in the Lower Hudson Valley

| Common name | Scientific name | Spring | Summer | Fall | Winter |
|---------------------------|-------------------------------------|--------|--------|------|--------|
| Osprey | <i>Pandion haliaetus</i> | U | U | C | |
| Bald Eagle | <i>Haliaeetus leucocephalus</i> | O | R | U | C |
| Northern Harrier | <i>Circus cyaneus</i> | C | O | C | O |
| Sharp-shinned Hawk | <i>Accipiter striatus</i> | C | O | C | U |
| Cooper's Hawk | <i>Accipiter cooperii</i> | U | O | C | U |
| Northern Goshawk | <i>Accipiter gentilis</i> | O | R | O | O |
| Red-shouldered Hawk | <i>Buteo lineatus</i> | U | R | U | O |
| Broad-winged Hawk | <i>Buteo platypterus</i> | C | O | C | |
| Red-tailed Hawk | <i>Buteo jamaicensis</i> | C | C | C | C |
| Rough-legged Hawk | <i>Buteo lagopus</i> | R | | O | O |
| Golden Eagle | <i>Aquila chrysaetos</i> | R | | O | R |
| American Kestrel | <i>Falco sparverius</i> | C | U | C | O |
| Merlin | <i>Falco columbarius</i> | O | R | U | R |
| Peregrine Falcon | <i>Falco peregrinus</i> | O | O | U | O |
| Clapper Rail | <i>Rallus longirostris</i> | C | C | C | U |
| Virginia Rail | <i>Rallus limicola</i> | C | U | C | U |
| Sora | <i>Porzana carolina</i> | U | R | U | R |
| Common Moorhen | <i>Gallinula chloropus</i> | O | | O | |
| American Coot | <i>Fulica americana</i> | U | | C | C |
| Killdeer | <i>Charadrius vociferus</i> | C | U | C | U |
| Greater Yellowlegs | <i>Tringa melanoleuca</i> | R | | R | |
| Lesser Yellowlegs | <i>Tringa flavipes</i> | U | C | C | |
| Solitary Sandpiper | <i>Tringa solitaria</i> | R | | R | |
| Spotted Sandpiper | <i>Actitis macularius</i> | C | C | C | |
| Semipalmated Sandpiper | <i>Calidris pusilla</i> | R | | R | |
| Least Sandpiper | <i>Calidris minutilla</i> | C | R | U | |
| Purple Sandpiper | <i>Calidris maritima</i> | C | | U | C |
| Dunlin | <i>Calidris alpina</i> | R | | | |
| Wilson's Snipe | <i>Gallinago delicata</i> | U | R | U | R |
| American Woodcock | <i>Scolopax minor</i> | C | U | U | O |
| Bonaparte's Gull | <i>Chroicocephalus philadelphia</i> | R | R | R | R |
| Ring-billed Gull | <i>Larus delawarensis</i> | C | C | C | C |
| Herring Gull | <i>Larus argentatus</i> | C | C | C | C |
| Great Black-backed Gull | <i>Larus marinus</i> | C | C | C | C |
| Rock Pigeon | <i>Columbia livia</i> | C | C | C | C |
| Mourning Dove | <i>Zenaida macroura</i> | C | C | C | C |
| Yellow-billed Cuckoo | <i>Coccyzus americanus</i> | U | U | U | |
| Black-billed Cuckoo | <i>Coccyzus erythrophthalmus</i> | U | U | U | |
| Barn Owl | <i>Tyto alba</i> | R | R | R | R |
| Eastern Screech-Owl | <i>Megascops asio</i> | C | C | C | C |
| Great Horned Owl | <i>Bubo virginianus</i> | C | C | C | C |
| Snowy Owl | <i>Bubo scandiacus</i> | | | R | R |
| Barred Owl | <i>Strix varia</i> | U | U | U | U |
| Long-eared Owl | <i>Asio otus</i> | R | | R | U |
| Short-eared Owl | <i>Asio flammeus</i> | | | | R |
| Northern Saw-whet Owl | <i>Aegolius acadicus</i> | O | | U | U |
| Common Nighthawk | <i>Chordeiles minor</i> | U | U | U | |
| Eastern Whip-poor-will | <i>Caprimulgus vociferus</i> | O | O | O | |
| Chimney Swift | <i>Chaetura pelagica</i> | C | C | U | |
| Ruby-throated Hummingbird | <i>Archilochus colubris</i> | C | C | C | |
| Belted Kingfisher | <i>Megaceryle alcyon</i> | C | C | C | C |
| Red-headed Woodpecker | <i>Melanerpes erythrocephalus</i> | R | R | R | R |

**Table F-2-5
Relative Commonness of Bird Species Occurring in the Lower Hudson Valley**

| Common name | Scientific name | Spring | Summer | Fall | Winter |
|---------------------------|-----------------------------------|--------|--------|------|--------|
| Red-bellied Woodpecker | <i>Melanerpes carolinus</i> | C | C | C | C |
| Yellow-bellied Sapsucker | <i>Sphyrapicus varius</i> | U | U | U | U |
| Downy Woodpecker | <i>Picoides pubescens</i> | C | C | C | C |
| Hairy Woodpecker | <i>Picoides villosus</i> | C | C | C | C |
| Northern Flicker | <i>Colaptes auratus</i> | C | C | C | U |
| Pileated Woodpecker | <i>Dryocopus pileatus</i> | U | U | U | U |
| Olive-sided Flycatcher | <i>Contopus cooperi</i> | U | | U | |
| Eastern Wood-Pewee | <i>Contopus virens</i> | C | C | C | |
| Yellow-bellied Flycatcher | <i>Empidonax flaviventris</i> | U | | U | |
| Acadian Flycatcher | <i>Empidonax virescens</i> | U | U | U | |
| Alder Flycatcher | <i>Empidonax alnorum</i> | U | U | | |
| Willow Flycatcher | <i>Empidonax traillii</i> | U | C | U | |
| Least Flycatcher | <i>Empidonax minimus</i> | C | U | R | |
| Eastern Phoebe | <i>Sayornis phoebe</i> | C | C | C | R |
| Great Crested Flycatcher | <i>Myiarchus crinitus</i> | C | C | U | |
| Eastern Kingbird | <i>Tyrannus tyrannus</i> | C | C | C | |
| Northern Shrike | <i>Lanius excubitor</i> | | | R | R |
| White-eyed Vireo | <i>Vireo griseus</i> | C | C | U | |
| Yellow-throated Vireo | <i>Vireo flavifrons</i> | C | C | U | |
| Blue-headed Vireo | <i>Vireo solitarius</i> | C | C | C | |
| Warbling Vireo | <i>Vireo gilvus</i> | C | C | C | |
| Philadelphia Vireo | <i>Vireo philadelphicus</i> | R | | R | |
| Red-eyed Vireo | <i>Vireo olivaceus</i> | C | C | C | |
| Blue Jay | <i>Cyanocitta cristata</i> | C | C | C | C |
| American Crow | <i>Corvus brachyrhynchos</i> | C | C | C | C |
| Fish Crow | <i>Corvus ossifragus</i> | U | U | U | U |
| Common Raven | <i>Corvus corax</i> | U | U | U | U |
| Horned Lark | <i>Eremophila alpestris</i> | O | R | U | C |
| Purple Martin | <i>Progne subis</i> | U | U | U | |
| Tree Swallow | <i>Tachycineta bicolor</i> | C | C | C | |
| N. Rough-winged Swallow | <i>Stelgidopteryx serripennis</i> | U | U | U | |
| Bank Swallow | <i>Riparia riparia</i> | U | U | U | |
| Cliff Swallow | <i>Petrochelidon pyrrhonota</i> | U | U | U | |
| Barn Swallow | <i>Hirundo rustica</i> | C | C | C | |
| Black-capped Chickadee | <i>Poecile atricapillus</i> | C | C | C | C |
| Tufted Titmouse | <i>Baeolophus bicolor</i> | C | C | C | C |
| Red-breasted Nuthatch | <i>Sitta canadensis</i> | U | O | U | U |
| White-breasted Nuthatch | <i>Sitta carolinensis</i> | C | C | C | C |
| Brown Creeper | <i>Certhia americana</i> | C | C | C | C |
| Carolina Wren | <i>Thryothorus ludovicianus</i> | C | C | C | C |
| House Wren | <i>Troglodytes aedon</i> | C | C | C | |
| Winter Wren | <i>Troglodytes hiemalis</i> | U | U | U | R |
| Marsh Wren | <i>Cistothorus palustris</i> | U | O | O | |
| Blue-gray Gnatcatcher | <i>Poliophtila caerulea</i> | C | U | U | |
| Golden-crowned Kinglet | <i>Regulus satrapa</i> | C | O | C | U |
| Ruby-crowned Kinglet | <i>Regulus calendula</i> | C | | C | O |
| Eastern Bluebird | <i>Sialia sialis</i> | C | C | C | C |
| Veery | <i>Catharus fuscescens</i> | C | C | C | |
| Gray-cheeked Thrush | <i>Catharus minimus</i> | U | | U | |
| Bicknell's Thrush | <i>Catharus bicknelli</i> | R | | R | |
| Swainson's Thrush | <i>Catharus ustulatus</i> | C | | C | |
| Hermit Thrush | <i>Catharus guttatus</i> | C | U | C | U |

Table F-2-5

Relative Commonness of Bird Species Occurring in the Lower Hudson Valley

| Common name | Scientific name | Spring | Summer | Fall | Winter |
|------------------------------|----------------------------------|--------|--------|------|--------|
| Wood Thrush | <i>Hylocichla mustelina</i> | C | C | C | |
| American Robin | <i>Turdus migratorius</i> | C | C | C | U |
| Gray Catbird | <i>Dumetella carolinensis</i> | C | C | C | O |
| Northern Mockingbird | <i>Mimus polyglottos</i> | C | C | C | C |
| Brown Thrasher | <i>Toxostoma rufum</i> | C | C | C | O |
| European Starling | <i>Sturnus vulgaris</i> | C | C | C | C |
| American Pipit | <i>Anthus rubescens</i> | R | | C | R |
| Cedar Waxwing | <i>Bombycilla cedrorum</i> | C | C | C | C |
| Snow Bunting | <i>Plectrophenax nivalis</i> | R | | C | O |
| Blue-winged Warbler | <i>Vermivora pinus</i> | C | C | C | |
| Golden-winged Warbler | <i>Vermivora chrysoptera</i> | O | | O | |
| Tennessee Warbler | <i>Oreothlypis peregrina</i> | C | | C | |
| Orange-crowned Warbler | <i>Oreothlypis celata</i> | R | | R | |
| Nashville Warbler | <i>Oreothlypis ruficapilla</i> | U | | U | |
| Northern Parula | <i>Parula americana</i> | C | | C | |
| Yellow Warbler | <i>Dendroica petechia</i> | C | C | U | |
| Chestnut-sided Warbler | <i>Dendroica pensylvanica</i> | C | C | C | |
| Magnolia Warbler | <i>Dendroica magnolia</i> | C | | C | |
| Cape May Warbler | <i>Dendroica tigrina</i> | U | | U | |
| Black-throated Blue Warbler | <i>Dendroica caerulescens</i> | C | O | C | |
| Yellow-rumped Warbler | <i>Dendroica coronata</i> | C | O | C | U |
| Black-throated Green Warbler | <i>Dendroica virens</i> | C | U | C | |
| Blackburnian Warbler | <i>Dendroica fusca</i> | U | U | U | |
| Pine Warbler | <i>Dendroica pinus</i> | U | U | U | |
| Prairie Warbler | <i>Dendroica discolor</i> | C | C | U | |
| Palm Warbler | <i>Dendroica palmarum</i> | U | | U | |
| Bay-breasted Warbler | <i>Dendroica castanea</i> | U | | R | |
| Blackpoll Warbler | <i>Dendroica striata</i> | C | | C | |
| Cerulean Warbler | <i>Dendroica cerulea</i> | O | O | | |
| Black-and-white Warbler | <i>Mniotilta varia</i> | C | C | C | |
| American Redstart | <i>Setophaga ruticilla</i> | C | C | C | |
| Prothonotary Warbler | <i>Protonotaria citrea</i> | R | | | |
| Worm-eating Warbler | <i>Helmitheros vermivorum</i> | U | U | U | |
| Ovenbird | <i>Seiurus aurocapilla</i> | C | C | C | |
| Northern Waterthrush | <i>Parkesia noveboracensis</i> | C | O | U | |
| Louisiana Waterthrush | <i>Parkesia motacilla</i> | C | U | U | |
| Mourning Warbler | <i>Oporornis philadelphia</i> | U | | O | |
| Common Yellowthroat | <i>Geothlypis trichas</i> | C | C | C | |
| Hooded Warbler | <i>Wilsonia citrina</i> | U | U | O | |
| Wilson's Warbler | <i>Wilsonia pusilla</i> | R | | R | |
| Canada Warbler | <i>Wilsonia canadensis</i> | C | O | O | |
| Eastern Towhee | <i>Pipilo erythrophthalmus</i> | C | C | C | O |
| American Tree Sparrow | <i>Spizella arborea</i> | | | U | C |
| Chipping Sparrow | <i>Spizella passerina</i> | C | C | C | |
| Field Sparrow | <i>Spizella pusilla</i> | C | C | C | U |
| Vesper Sparrow | <i>Pooecetes gramineus</i> | O | O | U | R |
| Savannah Sparrow | <i>Passerculus sandwichensis</i> | C | U | C | O |
| Grasshopper Sparrow | <i>Ammodramus savannarum</i> | O | O | | |
| Fox Sparrow | <i>Passerella iliaca</i> | U | | U | O |
| Song Sparrow | <i>Melospiza melodia</i> | C | C | C | C |
| Lincoln's Sparrow | <i>Melospiza lincolni</i> | O | | U | |
| Swamp Sparrow | <i>Melospiza georgiana</i> | C | C | C | U |

Table F-2-5

Relative Commonness of Bird Species Occurring in the Lower Hudson Valley

| Common name | Scientific name | Spring | Summer | Fall | Winter |
|------------------------|-----------------------------------|--------|--------|------|--------|
| White-throated Sparrow | <i>Zonotrichia albicollis</i> | C | | C | C |
| White-crowned Sparrow | <i>Zonotrichia leucophrys</i> | O | | U | O |
| Dark-eyed Junco | <i>Junco hyemalis</i> | C | U | C | C |
| Scarlet Tanager | <i>Piranga olivacea</i> | C | C | C | |
| Northern Cardinal | <i>Cardinalis cardinalis</i> | C | C | C | C |
| Rose-breasted Grosbeak | <i>Pheucticus ludovicianus</i> | C | C | C | |
| Indigo Bunting | <i>Passerina cyanea</i> | C | C | U | |
| Bobolink | <i>Dolichonyx oryzivorus</i> | C | C | C | |
| Red-winged Blackbird | <i>Agelaius phoeniceus</i> | C | C | C | U |
| Eastern Meadowlark | <i>Sturnella magna</i> | U | U | U | O |
| Rusty Blackbird | <i>Euphagus carolinus</i> | U | | U | O |
| Common Grackle | <i>Quiscalus quiscula</i> | C | C | C | U |
| Brown-headed Cowbird | <i>Molothrus ater</i> | C | C | C | U |
| Orchard Oriole | <i>Icterus spurius</i> | U | U | | |
| Baltimore Oriole | <i>Icterus galbula</i> | C | C | C | R |
| Pine Grosbeak | <i>Pinicola enucleator</i> | | | R | R |
| Purple Finch | <i>Carpodacus purpureus</i> | U | U | U | U |
| House Finch | <i>Carpodacus mexicanus</i> | C | C | C | C |
| White-winged Crossbill | <i>Loxia leucoptera</i> | R | | R | R |
| Common Redpoll | <i>Acanthis flammea</i> | R | | R | R |
| Pine Siskin | <i>Spinus pinus</i> | O | | U | U |
| American Goldfinch | <i>Spinus tristis</i> | C | C | C | C |
| Evening Grosbeak | <i>Coccothraustes vespertinus</i> | U | | U | R |
| House Sparrow | <i>Passer domesticus</i> | C | C | C | C |

Notes:
C=common, U=uncommon, O=occasional, R=rare
(sources: DeOrsey and Butler 2006, Bochnick 2011)

**Table F-2-6
Plant Species of the Study Area**

| Botanical Species | Common Name |
|--------------------------------|----------------------|
| Trees and Shrubs | |
| <i>Acer platanoides</i> | Norway Maple |
| <i>Acer pseudo-platanus</i> | Sycamore Maple |
| <i>Acer rubrum</i> | Red Maple |
| <i>Acer saccharinum</i> | Silver Maple |
| <i>Aesculus hippocastanum</i> | Horsechestnut |
| <i>Ailanthus altissima</i> | Tree-of-Heaven |
| <i>Berberis thunbergii</i> | Japanese Barberry |
| <i>Celtis occidentalis</i> | Hackberry |
| <i>Cornus</i> sp. | Dogwood |
| <i>Crataegus</i> sp. | Hawthorne |
| <i>Forsythia</i> | Forsythia sp. |
| <i>Ginkgo biloba</i> | Ginko tree |
| <i>Hybiscus syriacus</i> | Rose of Sharon |
| <i>Juniperus virginiana</i> | Eastern Red Cedar |
| <i>Liquidambar styraciflua</i> | Sweetgum |
| <i>Liriodendron tulipifera</i> | Tuliptree |
| <i>Lonicera japonica</i> | Japanese Honeysuckle |
| <i>Morus alba</i> | White Mulberry |
| <i>Picea abies</i> | Norway Spruce |
| <i>Pinus strobus</i> | Eastern White Pine |
| <i>Platanus x acerifolia</i> | Londonplane Tree |
| <i>Populus deltoides</i> | Common Cottonwood |
| <i>Populus</i> sp. | Poplar |
| <i>Prunus avium</i> | Sweet Cherry |
| <i>Prunus serotina</i> | Black Cherry |
| <i>Pyrus calleryana</i> | Callery Pear |
| <i>Quercus palustris</i> | Pin Oak |
| <i>Quercus rubra</i> | Red Oak |
| <i>Quercus veluntina</i> | Black Oak |
| <i>Rhus copallina</i> | Winged Sumac |
| <i>Rhus typhina</i> | Staghorn Sumac |
| <i>Robinia pseudoacacia</i> | Black Locust |
| <i>Rosa multiflora</i> | Multiflora Rose |
| <i>Salix</i> sp. | Willow |
| <i>Ulmus rubra</i> | Slippery Elm |

**Table F-2-6
Plant Species of the Study Area**

| Woody Vines | |
|------------------------------------|-------------------------|
| <i>Ampelopsis brevipedunculata</i> | Porcelainberry |
| <i>Celastrus orbiculatus</i> | Asiatic Bittersweet |
| <i>Hedera helix</i> | English Ivy |
| <i>Parthenocissus quinquefolia</i> | Virginia Creeper |
| <i>Toxicodendron radicans</i> | Poison Ivy |
| <i>Vitis</i> sp. | Grape |
| Forbs | |
| <i>Ageratina altissima</i> | White Snakeroot |
| <i>Alliaria petiolata</i> | Garlic Mustard |
| <i>Apocynum cannabinum</i> | Indian Hemp |
| <i>Arctium minus</i> | Common Burdock |
| <i>Artemisia biennis</i> | Biennial Wormwood |
| <i>Artemisia vulgaris</i> | Mugwort |
| <i>Asclepias syriaca</i> | Milkweed |
| <i>Calystegia sepium</i> | Hedge Bindweed |
| <i>Chelidonium majus</i> | Celandine |
| <i>Cichorium intybus</i> | Chickory |
| <i>Conyza canadensis</i> | Horseweed |
| <i>Daucus carota</i> | Queen Anne's Lace |
| <i>Erigeron annuus</i> | Daisy Fleabane |
| <i>Eupatorium serotinum</i> * | Late Boneset |
| <i>Eurybia divaricata</i> | White-wood Aster |
| <i>Euthamia</i> sp. | Goldenrod |
| <i>Galium</i> sp. | Bedstraw |
| <i>Hieracium vulgatum</i> | Hawkweed |
| <i>Humulus japonicus</i> | Japanese Hops |
| <i>Impatiens</i> sp. | Jewelweed |
| <i>Lepidium campestre</i> | Field Peppergrass |
| <i>Lotus corniculatus</i> | Birds Foot Trefoil |
| <i>Lychnis alba</i> | White Champion |
| <i>Melilotus alba</i> | White Sweet Clover |
| <i>Oenothera biennis</i> | Common Evening Primrose |
| <i>Oxalis</i> sp. | Sorrel |
| <i>Phytolacca americana</i> | Pokeweed |
| <i>Polygonum cespitosum</i> | Oriental Lady's Thumb |
| <i>Polygonum lapathifolium</i> | Dock-leaved smartweed |

Table F-2-6
Plant Species of the Study Area

| | |
|--|-----------------------|
| <i>Polygonum cuspidatum</i> | Japanese Knotweed |
| <i>Rubus phoenicolasius</i> | Wine Raspberry |
| <i>Solanum carolinense</i> | Horse Nettle |
| <i>Solanum dulcamara</i> | Climbing Nightshade |
| <i>Solidago rugosa</i> | Wrinkleleaf Goldenrod |
| <i>Solidago sempervirens</i> | Seaside Goldenrod |
| <i>Solidago</i> sp. | Goldenrod sp. |
| <i>Thlaspi arvense</i> | Field pennycress |
| <i>Trifolium</i> spp. | Clovers |
| <i>Verbascum thapsus</i> | Common Mullein |
| <i>Xanthium chinense</i> | Clotbur |
| Grasses | |
| <i>Bromus</i> sp. | Field Brome |
| <i>Dactylis glomerata</i> | Orchard Grass |
| <i>Festuca</i> sp. | Fescue |
| <i>Juncus canadensis</i> | Canadian Rush |
| <i>Panicum clandestinum</i> | Deer-Tongue Grass |
| <i>Phragmites australis</i> | Common Reed |
| <i>Setaria faberi</i> | Giant Foxtail |
| <i>Setaria</i> sp. | Foxtail sp. |
| Notes: (*) denotes a state-listed endangered plant species. | |
| Sources: AKRF October 2011 field reconnaissance | |