

**Dutch Hill Wind Farm
Draft Environmental Impact Statement**

WILDLIFE SPECIES INVENTORY

The following species could occur in the project area at some time during the year based on existing documentation, suitable habitat conditions, and/or species range.

Common Name	Scientific Name
Bird Species	
<u>Herons, Bitterns</u>	
2, 6, 7 great blue heron	<i>Ardeidae</i> <i>Ardea herodias</i>
2 green heron (green-backed)	<i>Butorides striatus</i>
2 American bittern	<i>Botaurus lentiginosus</i>
<u>Waterfowl</u>	
1, 2, 7 Canada goose	<i>Anatidae</i> <i>Branta canadensis</i>
1, 2 mallard	<i>Anas platyrhynchos</i>
2 American black duck	<i>Anas rubripes</i>
2 blue-winged teal	<i>Anas discors</i>
1, 2 wood duck	<i>Aix sponsa</i>
green winged teal	<i>Anas crecca</i>
<u>American Vultures</u>	
2, 5 turkey vulture	<i>Cathartidae</i> <i>Cathartes aura</i>
black vulture	<i>Coragyps atratus</i>
<u>Hawks</u>	
6 Bald eagle	<i>Accipitridae</i> <i>Haliaeetus leucocephalus</i>
osprey	<i>Pandion haliaetus</i>
2, 5 sharp-shinned hawk	<i>Accipiter striatus</i>
2, 5 Cooper's hawk	<i>Accipiter cooperii</i>
5 northern goshawk	<i>Accipiter gentilis</i>
2, 5 red-tailed hawk	<i>Buteo jamaicensis</i>
5 rough-legged hawk	<i>Buteo lagopus</i>
5 merlin	<i>Falco columbarius</i>
1, 2, 5 American kestrel	<i>Falco sparverius</i>
2, 5 northern harrier	<i>Circus cyaneus</i>
2, 5 red-shouldered hawk	<i>Buteo lineatus</i>
2, 5 broad-winged hawk	<i>Buteo platypterus</i>
2, 5 peregrine falcon	<i>Falco peregrinus</i>
<u>Grouse</u>	
2 ruffed grouse	<i>Tetraonidae</i> <i>Bonasa umbellus</i>
<u>Quail</u>	
2 ring-necked pheasant	<i>Phasianidae</i> <i>Phasianus colchicus</i>
2 northern bobwhite	<i>Colinus virginianus</i>

**Dutch Hill Wind Farm
Draft Environmental Impact Statement**

<u>Turkeys</u> 1, 2, 7 wild turkey	<u>Meleagrididae</u> Meleagris gallopavo
<u>Rails</u> 2 Virginia rail sora rail 2 common moorhen	<u>Rallidae</u> <i>Rallus limicola</i> <i>Porzana carolina</i> <i>Gallinula chloropus</i>
<u>Plovers</u> 1, 2, 8 killdeer	<u>Charadriidae</u> Charadrius vociferus
<u>Sandpipers</u> 1, 2 spotted sandpiper 2 American woodcock 2 common snipe 2 upland sandpiper	<u>Scolopacidae</u> <i>Actitis macularia</i> <i>Philohela minor</i> <i>Gallinago gallinago</i> <i>Bartramia longicauda</i>
<u>Gulls, Terns</u> 2 ring-billed gull	<u>Laridae</u> <i>Larus delawarensis</i>
<u>Pigeons, Doves</u> 1, 2 rock dove 1, 2 mourning dove	<u>Columbidae</u> <i>Columba livia</i> <i>Zenaida macroura</i>
<u>Cuckoos</u> 2 yellow-billed cuckoo 2 black-billed cuckoo	<u>Cuculidae</u> <i>Coccyzus americanus</i> <i>Coccyzus erythrophthalmus</i>
<u>Typical Owls</u> 2 eastern screech owl 2 great horned owl barred owl	<u>Strigidae</u> <i>Otus asio</i> <i>Bubo virginianus</i> <i>Strix varia</i>
<u>Goat Suckers</u> 2 common nighthawk	<u>Caprimulgidae</u> <i>Chordeiles minor</i>
<u>Swifts</u> 1, 2 chimney swift	<u>Apodidae</u> <i>Chaetura pelagica</i>
<u>Hummingbirds</u> 2 ruby-throated hummingbird	<u>Trochilidae</u> <i>Archilochus colubris</i>
<u>Kingfishers</u> 1, 2 belted kingfisher	<u>Alcedinidae</u> <i>Ceryle alcyon</i>

**Dutch Hill Wind Farm
Draft Environmental Impact Statement**

Woodpeckers

- 1,2 northern flicker
- 2 pileated woodpecker
- 2 red-bellied woodpecker
- 2 red-headed woodpecker
- 2 hairy woodpecker
- 1,2 downy woodpecker
- 2 yellow-bellied sapsucker

Flycatchers

- 1,2 eastern kingbird
- 1,2 great crested flycatcher
- 1,2 eastern phoebe
- 2 willow flycatcher
- 2 least flycatcher
- 1,2 Acadian flycatcher
- 2 alder flycatcher
- 2 eastern wood-pewee

Larks

- 1, 2, 8 **horned lark**

Swallows

- 2 purple martin
- 2 bank swallow
- 1, 2, 8 **tree swallow**
- 1,2 barn swallow
- 2 northern rough-winged swallow
- 2 cliff swallow

Jays, Crows

- 1, 2, 7, 8 **blue jay**
- 1, 2, 7, 8 **American crow**
- 8 **common raven**

Titmice

- 1, 2, 7, 8 **black-capped chickadee**
- 2 tufted titmouse

Nuthatches

- 2 white-breasted nuthatch
- 2 red-breasted nuthatch

Creepers

- 2 brown creeper

Picidae

- Colaptes auratus*
- Dryocopus pileatus*
- Melanerpes carolinus*
- Melanerpes erythrocephalus*
- Picoides villosus*
- Picoides pubescens*
- Sphyrapicus varius*

Tyrannidae

- Tyrannus tyrannus*
- Myiarchus crinitus*
- Sayornis phoebe*
- Epidonax traillii*
- Epidonax minimus*
- Epidonax virescens*
- Epidonax alnorum*
- Contopus virens*

Alaudidae

- Eremophila alpestris***

Hirundinidae

- Progne subis*
- Riparia riparia*
- Tachycineta bicolor***
- Hirundo rustica*
- Stelgidopteryx serripennis*
- Hirundo pyrrhonotta*

Corvidae

- Cyanocitta cristata***
- Corvus brachyrhynchos***
- Corvus corax***

Paridae

- Parus atricapillus***
- Parus bicolor*

Sittidae

- Sitta carolinensis*
- Sitta canadensis*

Certhiidae

- Certhia americana*

**Dutch Hill Wind Farm
Draft Environmental Impact Statement**

Wrens

- ² Carolina wren
- ² marsh wren
- ^{1,2} house wren
- winter wren

Mimic Thrushes

- ² northern mockingbird
- ^{1, 2, 7, 8} **gray catbird**
- ² brown thrasher

Thrushes

- ^{1, 2, 7, 8} **American robin**
- ^{1, 2, 7} **wood thrush**
- ² veery
- ^{2, 8} **hermit thrush**
- ^{1, 2} eastern bluebird

Kinglets

- ² blue-gray gnatcatcher
- ² golden-crowned kinglet
- ruby-crowned kinglet

Waxwings

- ^{1, 2, 8} **cedar waxwing**

Starlings

- ^{1, 2} European starling

Vireos

- ^{2, 8} **solitary vireo**
- ^{1, 2, 8} **red-eyed vireo**
- ² yellow-throated vireo
- ^{1, 2} warbling vireo

Wood Warblers

- ² black and white warbler
- ² blue-winged warbler
- ² golden-winged warbler
- ² Nashville warbler
- ^{1, 2, 8} **yellow warbler**
- ² magnolia warbler
- ² black-throated blue warbler
- ^{2, 8} **chestnut-sided warbler**
- ² yellow-rumped warbler

Troglodytidae

- Thryothorus ludovicianus*
- Cistothorus palustris*
- Troglodytes aedon*
- Troglodytes troglodytes*

Mimidae

- Mimus polyglottos*
- Dumetella carolinensis***
- Toxostoma rufum*

Turdidae

- Turdus migratorius***
- Hylocichla mustelina***
- Catharus fuscescens*
- Catharus guttatus***
- Sialia sialis*

Sylviidae

- Poliophtila caerulea*
- Regulus satrapa*
- Regulus calendula*

Bombycillidae

- Bombycilla cedrorum***

Sturnidae

- Sturnus vulgaris*

Vireonidae

- Vireo solitarius***
- Vireo olivaceus***
- Vireo flavifrons*
- Vireo gilvus*

Parulidae

- Mniotilta varia*
- Vermivora pinus*
- Vermivora chrysoptera*
- Vermivora ruficapilla*
- Dendroica petechia***
- Dendroica magnolia*
- Dendroica caerulescens*
- Dendroica pensylvanica***
- Dendroica coronata*

**Dutch Hill Wind Farm
Draft Environmental Impact Statement**

1, 2, 8 black-throated green warbler	<i>Dendroica virens</i>
2 blackburnian warbler	<i>Dendroica fusca</i>
2 pine warbler	<i>Dendroica pinus</i>
1, 2, 7 ovenbird	<i>Seiurus aurocapillus</i>
2 northern waterthrush	<i>Seiurus noveboracensis</i>
2 Louisiana waterthrush	<i>Seiurus motacilla</i>
1, 2, 8 common yellowthroat	<i>Geothlypis trichas</i>
2 Canada warbler	<i>Wilsonia canadensis</i>
1, 2 American redstart	<i>Setophaga ruticila</i>
2 prairie warbler	<i>Dendroica discolor</i>
2 hooded warbler	<i>Wilsonia citrina</i>
2 cerulean warbler	<i>Dendroica cerulea</i>
<u>Weaver Finches</u>	<u><i>Ploceidae</i></u>
1, 2 house sparrow	<i>Passer domesticus</i>
<u>Blackbirds</u>	<u><i>Icteridae</i></u>
1, 2, 8 bobolink	<i>Dolichonyx oryzivorus</i>
2 eastern meadowlark	<i>Sturnella magna</i>
1, 2, 8 red-winged blackbird	<i>Agelaius phoeniceus</i>
2, 8 Baltimore oriole	<i>Icterus galbula</i>
1, 2, 7, 8 common grackle	<i>Quiscalus quiscula</i>
2 brown-headed cowbird	<i>Molothrus ater</i>
<u>Tanagers</u>	<u><i>Thraupidae</i></u>
2 scarlet tanager	<i>Piranga olivacea</i>
<u>Finches</u>	<u><i>Fringillidae</i></u>
1, 2 northern cardinal	<i>Cardinalis cardinalis</i>
1, 2 rose-breasted grosbeak	<i>Pheucticus ludovicianus</i>
2, 8 indigo bunting	<i>Passerina cyanea</i>
1, 2 house finch	<i>Carpodacus mexicanus</i>
2 purple finch	<i>Carpodacus purpureus</i>
2, 8 American goldfinch	<i>Carduelis tristis</i>
2 rufous-sided towhee	<i>Pipilo erythrophthalmus</i>
2, 8 savannah sparrow	<i>Passerculus sandwichensis</i>
2 grasshopper sparrow	<i>Ammodramus henslowii</i>
2 Henslow's sparrow	<i>Ammodramus savannarum</i>
2 vesper sparrow	<i>Poocetes gramineus</i>
1, 2 dark-eyed junco	<i>Junco hyemalis</i>
2 snow bunting	<i>Plectrophenax nivalis</i>
2, 6 clay-colored sparrow	<i>Spizella pallida</i>
1, 2, 8 chipping sparrow	<i>Spizella passerina</i>
1, 2 field sparrow	<i>Spizella pusilla</i>
2 swamp sparrow	<i>Melospiza georgiana</i>
1, 2, 8 song sparrow	<i>Melospiza melodia</i>
8 white-throated sparrow	<i>Zonotrichia albicollis</i>

**Dutch Hill Wind Farm
Draft Environmental Impact Statement**

Mammal Species

Opossums

⁷ **opossum**

Shrews

smoky shrew
masked shrew
shorttail shrew
least shrew

Moles

eastern mole
starnose mole

Plainnose Bats

⁶ small-footed bat
eastern pipistrel
² big brown bat
² hoary bat
² red bat
² little brown myotis
² silver-haired bat

Racoons

⁷ **raccoon**

Weasels

shorttail weasel
longtail weasel
mink
striped skunk

Dogs, Wolves, Foxes

coyote
⁷ **red fox**
gray fox

Squirrels

⁷ **woodchuck**
⁷ **eastern chipmunk**
⁷ **eastern gray squirrel**
⁷ **red squirrel**
southern flying squirrel

Didelphiidae

Didelphis virginiana

Soricidae

Sorex fumeus
Sorex cinereus
Blarina brevicauda
Cryptotis parva

Talpidae

Scalopus aquaticus
Condylura cristata

Vespertilionidae

Myotis leibii
Pipistrellus subflavus
Eptesicus fuscus
Lasiurus cinereus
Lasiurus borealis
Myotis lucifugus
Lasionycteris noctivagans

Procyonidae

Procyon lotor

Mustelidae

Mustela erminea
Mustela frenata
Mustela vison
Mephitis mephitis

Canidae

Canis latrans
Vulpes vulpes
Urocyon cinereoargenteus

Sciuridae

Marmota monax
Tamias striatus
Sciurus carolinensis
Tamiasciurus hudsonicus
Glaucomys volans

**Dutch Hill Wind Farm
Draft Environmental Impact Statement**

<u>Beaver</u>	<u>Castoridae</u>
⁷ beaver	<i>Castor canadensis</i>
<u>Mice, Rats, Lemmings, Voles</u>	<u>Cricetidae</u>
deer mouse	<i>Peromyscus maniculatus</i>
white-footed mouse	<i>Peromyscus leucopus</i>
meadow vole	<i>Microtus pennsylvanicus</i>
⁷ muskrat	<i>Ondatra zibethicus</i>
<u>Old World Rats & Mice</u>	<u>Muridae</u>
Norway rat	<i>Rattus norvegicus</i>
house mouse	<i>Mus musculus</i>
<u>Jumping Mice</u>	<u>Zapeoidea</u>
meadow jumping mouse	<i>Zapus hudsonicus</i>
woodland jumping mouse	<i>Napaeozapus insignis</i>
<u>Hares, Rabbits</u>	<u>Leporidae</u>
⁷ eastern cottontail	<i>Sylvilagus floridanus</i>
<u>Deer</u>	<u>Cervidae</u>
⁷ whitetail deer	<i>Odocoileus virginianus</i>
<u>Bears</u>	<u>Ursidae</u>
black bear	<i>Ursus americanus</i>
Reptile and Amphibian Species	
<u>Box and Water Turtles</u>	<u>Emydidae</u>
^{4,7} painted turtle	<i>Chrysemys picta</i>
⁴ wood turtle	<i>Clemmys insculpta</i>
⁴ Eastern spiny softshell	<i>Apalone s. spinifera</i>
<u>Snapping Turtles</u>	<u>Chelydridae</u>
^{4,7} common snapping turtle	<i>Chelydra serpentina</i>
<u>Musk and Mud Turtles</u>	<u>Kinosternidae</u>
stinkpot	<i>Sternotherus odoratus</i>
<u>Colubrids</u>	<u>Colubridae</u>
northern water snake	<i>Natrix sipedon</i>
⁴ northern brown snake	<i>Storeria dekayi</i>

**Dutch Hill Wind Farm
Draft Environmental Impact Statement**

4,7 eastern garter snake	<i>Thamnophis sirtalis</i>
4 northern redbelly snake	<i>Storeria o. occipitomaculata</i>
4 eastern milk snake	<i>Lampropeltis triangulum</i>
4 smooth green snake	<i>Liochlorophis vernalis</i>
4 northern ringneck snake	<i>Diadophis punctatus edwardsi</i>
northern black racer	<i>Coluber constrictor</i>
black rat snake	<i>Elaphe obsoleta</i>
<u>Mole Salamanders</u>	<u><i>Ambystomatidae</i></u>
blue-spotted salamander	<i>Ambystoma laterale</i>
4 Jefferson's salamander	<i>Ambystoma jeffersonianum</i>
4 spotted salamander	<i>Ambystoma maculatum</i>
<u>Newts</u>	<u><i>Salamandridae</i></u>
4,7 red-spotted newt	<i>Notophthalmus viridescens</i>
<u>Lungless Salamanders</u>	<u><i>Plethodontidae</i></u>
4,7 red-backed salamander	<i>Plethodon cinereus</i>
4,7 northern two-lined salamander	<i>Eurycea bislineata bislineata</i>
longtail salamander	<i>Eurycea longicauda longicauda</i>
4 slimy salamander	<i>Plethodon glutinosus</i>
4 northern dusky salamander	<i>Desmognathus fuscus</i>
4 Allegheny dusky salamander	<i>Desmognathus ochrophaeus</i>
4 northern spring salamander	<i>Gyrinophilus p. porphyriticus</i>
4 Wehrle's salamander	<i>Plethodon wehrlei</i>
<u>Toads</u>	<u><i>Bufo</i></u>
4,7 American toad	<i>Bufo americanus</i>
<u>Tree Frogs</u>	<u><i>Hylidae</i></u>
4 spring peeper	<i>Pseudacris c. crucifer</i>
4 gray treefrog	<i>Hyla versicolor</i>
<u>True Frogs</u>	<u><i>Ranidae</i></u>
4 wood frog	<i>Rana sylvatica</i>
4 pickerel frog	<i>Rana palustris</i>
4 northern leopard frog	<i>Rana pipiens</i>
4,7 green frog	<i>Rana clamitans melanota</i>
4,7 bullfrog	<i>Rana catesbeiana</i>

**Dutch Hill Wind Farm
Draft Environmental Impact Statement**

Fish Species

Bullhead/Catfishes

- ³ brown bullhead
- ³ margined madtom

Carps and Minnows

- ³ central stoneroller
- ³ carp
- ³ creek chub
- ³ fallfish
- ³ longnose dace
- ³ eastern blacknose dace
- ³ northern redbelly dace
- ³ pearl dace
- ³ bluntnose minnow
- ³ cutlip minnow
- ³ fathead minnow
- ³ common shiner
- golden shiner
- ³ spottail shiner

Killifish

- ³ banded killifish

Perches

- ³ greenside darter
- ³ fantail darter
- ³ Johnny darter
- ³ tessellated darter
- ³ yellow perch
- ³ blackside darter

Pikes

- ³ chain pickerel
- ³ grass pickerel

Sculpins

- ³ sculpins
- slimy sculpin

Suckers

- ³ white sucker
- ³ northern hog sucker

Ictaluridae

- Ameiurus nebulosus*
- Noturus insignis*

Cyprinidae

- Campstoma anomalum*
- Cyprinus carpio*
- Semotilus atromaculatus*
- Semotilus corporalis*
- Rhinichthys cataractae*
- Rhinichthys atratulus*
- Phoxinus eos*
- Semotilus margarita*
- Pimephales notatus*
- Exoglossum maxillingua*
- Pimephales promelas*
- Luxilus cornutus*
- Notemigonus crysoleucas*
- Notropis hudsonius*

- Fundulus diaphanus*

Percidae

- Etheostoma blennioides*
- Etheostoma flabellare*
- Etheostoma nigrum*
- Etheostoma olmstedi*
- Perca flavescens*
- Percina maculata*

- Esox niger*

- Esox americanus*

Cothidae

- Cottus sp.*
- Cottus cognatus*

Catostomidae

- Catostomus commersoni*
- Hypentelium nigricans*

**Dutch Hill Wind Farm
Draft Environmental Impact Statement**

Sunfishes

- ³ green sunfish
- ³ pumpkinseed
- ³ bluegill
- ³ smallmouth bass
- ³ largemouth bass
- ³ rock bass

Trout

- ^{3,7} **brown trout**
- ³ brook trout
- rainbow trout

Centrarchidae

- Lepomis cyanellus*
- Lepomis gibbosus*
- Lepomis macrochirus*
- Micropterus dolomieu*
- Micropterus salmoides*
- Ambloplites rupestris*

Salmonidae

- Salmo trutta***
- Salvelinus fontinalis*
- Oncorhynchus mykiss*

Note:

Bold denotes those species actually observed on site

- ¹ Species identified from NYS Breeding Bird Atlas, 2000-2005
- ² Species identified from the USGS Breeding Bird Survey
- ³ Species identified from NYS DEC Fish Survey Data, 2000 and 2001
- ⁴ Species identified from the NYS Reptile and Amphibian Atlas
- ⁵ Species identified in Cohocton Raptor Surveys conducted by Woodlot Alternatives (2004, 2005 and 2006)
- ⁶ Species identified in Natural Heritage Program letter
- ⁷ Species identified during Ecological Survey conducted by EDR (2005-2006)
- ⁸ Species identified during on-site Breeding Bird Survey conducted by Woodlot Alternatives (2006)