Appendix D: Wildlife Species List (NEWILD Computer Program)

NEWILD COMPUTER PROGRAM SEARCH RESULTS

The NEWILD computer program (Thomasma et al. 1998) was used to compile lists of vertebrate species potentially utilizing habitats in the I-93 Salem to Manchester Project corridor. The following habitats were searched:

1. Northern Hardwoods
2. Northern Red Oak
3. Eastern Hemlock/Eastern White Pine
4. Shrub/Old Field
5. Grass/Forb/Pasture
6. Orchard
7. Red Maple
8. Shrub Swamp
9. Shallow Marsh/Deep Marsh
10. Sedge Meadow
11. Pond/Lake

Seasonal Use Symbols:

B = Breeding season (amphibians and reptiles)
B = Breeding season (birds and mammals)
BF = Breeding and feeding (birds and mammals only)
N = Winter (amphibians and reptiles)
N = Winter (birds and mammals)
NF = Winter feeding (birds and mammals only)
On species list header, * = search restricted to preferred only

Utilized/Preferred symbols:

x = utilized habitat
+ = preferred habitat

Forest size class symbols:

S = Regeneration through seedlings
Sp = Saplings through poletimber
St = Sawtimber
L = Large sawtimber
U = Uneven-aged (Northern hardwoods only)
On habitat list, x =size class selections

New England Wildlife - search results

A search was done using the following habitat components:

Forested habitats (all seasons selected):	S	Sp	St	L	U
Northern hardwoods		x	x	x	

The following wildlife species were found:

	B	BF	N	NF
Jefferson Salamander			x	
Blue-spotted Salamander			x	
Tremblay's Salamander			x	
Spotted Salamander			x	
Red-spotted Newt			x	
Northern Dusky Salamander			x	
Mountain Dusky Salamander	x		x	
Redback Salamander	x		x	
Slimy Salamander	x		x	
Four-toed Salamander	x		x	
Northern Spring Salamander	x		x	
Northern Two-lined Salamander	x		x	
Eastern American Toad			x	
Northern Spring Peeper			x	
Gray Treefrog			x	
Bullfrog			x	
Wood Frog			x	
Pickerel Frog	x			
Bog Turtle			x	
Wood Turtle	x		x	
Eastern Box Turtle	x		x	
Five-lined Skink	x		x	
Northern Brown Snake	x		x	
Northern Redbelly Snake	+		x	
Eastern Garter Snake	x		x	
Eastern Ribbon Snake	x		x	
Northern Ringneck Snake	x		x	
Northern Black Racer	x		x	
Eastern Smooth Green Snake	x		x	
Eastern Milk Snake	x		x	
Common Goldeneye	+			
Hooded Merganser	+			
Common Merganser	+			
Turkey Vulture	x		x	
Bald Eagle	x			

	B	BF	N	NF
Sharp-shinned Hawk	+	+	+	+
Cooper's Hawk	x	x	x	x
Northern Goshawk	+	+	x	x
Red-shouldered Hawk	x	x	x	x
Broad-winged Hawk	+			
Red-tailed Hawk	x		x	
Golden Eagle	x		x	
Peregrine Falcon		x		
Ruffed Grouse	x	x	x	x
Wild Turkey	x	x	+	+
American Woodcock	+	x		
Mourning Dove			x	
Black-billed Cuckoo	x	x		
Yellow-billed Cuckoo	x	x		
Eastern Screech-Owl	x	x	x	x
Great Horned Owl	x	x	x	x
Barred Owl	+	+	+	+
Great Gray Owl			x	
Long-eared Owl	x	x	x	x
Northern Saw-whet Owl	+		+	x
Common Nighthawk	x			
Whip-poor-will	+	+		
Ruby-throated Hummingbird	+	+		
Yellow-bellied Sapsucker	x	x	x	x
Downy Woodpecker	+	+	+	+
Hairy Woodpecker	+	+	+	+
Northern Flicker	x			
Pileated Woodpecker	+	+	+	+
Eastern Wood-Pewee	x	x		
Least Flycatcher	+	+		
Eastern Phoebe	x	x		
Great Crested Flycatcher	x	x		
Blue Jay	+	x	x	x
American Crow	x		x	x
Common Raven	x		x	
Black-capped Chickadee	+	+	+	+
Boreal Chickadee	x	x	x	x
Tufted Titmouse	x	x	x	x
Red-breasted Nuthatch	x	x	x	x
White-breasted Nuthatch	+	+	+	+
Brown Creeper	x	x	x	x
House Wren	x	x		

	B	BF	N	NF
Winter Wren	x	x	x	x
Golden-crowned Kinglet	x	x	x	x
Blue-gray Gnatcatcher	x	x		
Veery	+	+		
Swainson's Thrush	x	x		
Hermit Thrush	x	x		
Wood Thrush	+	+		
American Robin	x	x		
Gray Catbird	x	x		
Cedar Waxwing			x	
Northern Shrike			x	
European Starling	x		x	
Solitary Vireo	x	x		
Yellow-throated Vireo	x	x		
Warbling Vireo	x	x		
Philadelphia Vireo	x	x		
Red-eyed Vireo	+	+		
Northern Parula	+	+		
Black-throated Blue Warbler	+	+		
Yellow-rumped Warbler	x	x		
Black-throated Green Warbler	+	+		
Blackburnian Warbler	x	x		
Blackpoll Warbler	x	x		
Black-and-white Warbler	+	+		
American Redstart	+	+		
Worm-eating Warbler	x	x		
Ovenbird	+	+		
Northern Waterthrush	x	x		
Common Yellowthroat	x	x		
Hooded Warbler	x	x		
Canada Warbler	x	x		
Scarlet Tanager	+	+		
Rose-breasted Grosbeak	+	+		
Indigo Bunting	x			
Rufous-sided Towhee	x	x		
Chipping Sparrow	x	x		
Song Sparrow	x	x	x	x
White-throated Sparrow	x	x	x	x
Dark-eyed Junco	x	x	x	x
Brown-headed Cowbird	x	x		
Northern Oriole	x	x		
Pine Grosbeak			x	x

	B	BF	N	NF
Purple Finch			x	x
Red Crossbill			x	x
White-winged Crossbill			x	x
Pine Siskin			x	x
American Goldfinch			x	x
Evening Grosbeak			x	x
Virginia Opossum	x	x	x	x
Masked Shrew	x	x	x	x
Water Shrew	x	x	x	x
Smoky Shrew	+	+	+	+
Long-tailed Shrew	x	x	x	x
Pygmy Shrew	x	x	x	x
Northern Short-tailed Shrew	x	x	x	x
Hairy-tailed Mole	x	x	x	x
Little Brown Myotis	x	x	x	
Keen's Myotis	x		x	
Indiana Myotis	x		x	
Silver-haired Bat	x			
Eastern Pipistrelle	x	x	x	
Big Brown Bat	x		x	
Red Bat	x			
Hoary Bat	x			
New England Cottontail	x	x		
Snowshoe Hare	x	x		x
Eastern Chipmunk	x	x	x	
Woodchuck	x		x	
Gray Squirrel	x	x	x	x
Red Squirrel	x	x	x	x
Southern Flying Squirrel	+	+	+	+
Northern Flying Squirrel	+	+	+	+
Beaver	x	x	x	x
Deer Mouse	x	x	x	x
White-footed Mouse	+	+	+	+
Southern Red-backed Vole	+	+	+	+
Rock Vole	x	x	x	x
Woodland Vole	x	x	x	x
Southern Bog Lemming	x	x	x	x
Meadow Jumping Mouse			x	
Woodland Jumping Mouse	+	+	+	
Porcupine	+	+	+	+
Coyote	x	x	x	x
Red Fox	x	x	x	x

	B	BF	N	NF
Gray Fox	+	+	+	+
Black Bear	+	+	x	
Raccoon	x	x	x	
Marten	x	x	x	x
Fisher	+	+	+	+
Ermine	x	x	x	x
Long-tailed Weasel	x	x	x	x
Mink	x	x	x	x
Striped Skunk	x	x	x	x
River Otter	x	x	x	x
Mountain Lion	x	x	x	x
Lynx	x	x	x	x
Bobcat	x	x	x	x
White-tailed Deer	x	x	x	x
Moose	x	x	x	x

New England Wildlife - search results

Search Summary

The search was done using 3 forested habitats

Number of amphibians:	18
Number of reptiles:	12
Number of birds:	95
Number of mammals:	51
TOTAL:	176

Number of species included in search: 338
Total number of species in NEWILD: 338

All seasons selected

Seasonal use symbols:

B = Breeding season (amphibians and reptiles)
B = Breeding season (birds and mammals)
BF = Breeding and feeding (birds and mammals only)
N = Winter (amphibians and reptiles)
N = Winter (birds and mammals)
NF = Winter feeding (birds and mammals only)
on species list header, * = search restricted to preferred only

Utilized/Preferred symbols:

x = utilized habitat
+ = preferred habitat

Forest size class symbols:

S = Regeneration through seedlings
Sp = Saplings through poletimber
St = Sawtimber
L = Large sawtimber
U = Uneven-aged (Northern hardwoods only)
on habitat list, x = size class selections

New England Wildlife - search results

A search was done using the following habitat components:

Forested habitats (all seasons selected):	S	Sp	St	L	U
Northern red oak		x	x	x	

The following wildlife species were found:

	B	BF	N	NF
Spotted Salamander			x	
Red-spotted Newt			x	
Northern Dusky Salamander			x	
Redback Salamander	x		x	
Four-toed Salamander	x		x	
Northern Spring Salamander	x		x	
Northern Two-lined Salamander	x		x	
Eastern American Toad			x	
Northern Spring Peeper			x	
Gray Treefrog			x	
Bullfrog			x	
Wood Frog			x	
Pickerel Frog	x			
Wood Turtle	x		x	
Eastern Box Turtle	+		x	
Northern Brown Snake	x		x	
Northern Redbelly Snake	x		x	
Eastern Garter Snake	x		x	
Eastern Hognose Snake	x		x	
Northern Ringneck Snake	x		x	
Eastern Worm Snake	x		x	
Northern Black Racer	x		x	
Eastern Smooth Green Snake	x		x	
Black Rat Snake	x		x	
Eastern Milk Snake	x		x	
Northern Copperhead	x		x	
Timber Rattlesnake	x		x	
Common Goldeneye	+			
Hooded Merganser	x			
Turkey Vulture	x		x	
Bald Eagle	x			
Sharp-shinned Hawk	x	x	x	x
Cooper's Hawk	+	+	+	+
Northern Goshawk	x	x	x	x
Red-shouldered Hawk	x	x	x	x

	B	BF	N	NF
Broad-winged Hawk	x			
Red-tailed Hawk	x		x	
Golden Eagle	x			
Peregrine Falcon		x		
Ruffed Grouse	x	x	x	x
Wild Turkey	x	x	+	+
Mourning Dove			x	
Black-billed Cuckoo	+	+		
Yellow-billed Cuckoo	x	x		
Eastern Screech-Owl	x	x	x	x
Great Horned Owl	x	x	x	x
Barred Owl	x	x	x	x
Long-eared Owl	x	x	x	x
Northern Saw-whet Owl	x	x	x	x
Common Nighthawk	x			
Whip-poor-will	+	+		
Ruby-throated Hummingbird	+	+		
Red-headed Woodpecker	x	x	x	x
Red-bellied Woodpecker	x	x	x	x
Yellow-bellied Sapsucker	x	x	x	x
Downy Woodpecker	x	x	x	x
Hairy Woodpecker	x	x	x	x
Northern Flicker	x			
Pileated Woodpecker	+	+	+	+
Eastern Wood-Pewee	x	x		
Yellow-bellied Flycatcher	x	x		
Least Flycatcher	x	x		
Eastern Phoebe	x	x		
Great Crested Flycatcher	x	x		
Blue Jay	+	x	x	x
American Crow	x		x	x
Common Raven	x		x	
Black-capped Chickadee	x	x	x	x
Tufted Titmouse	x	x	x	x
White-breasted Nuthatch	x	x	x	x
Brown Creeper	x	x	x	x
Carolina Wren	x	x	x	x
House Wren	x	x		
Winter Wren			x	x
Blue-gray Gnatcatcher	x	x		
Veery	x	x		
Hermit Thrush	x	x		

	B	BF	N	NF
Wood Thrush	x	x		
American Robin	x	x		
Gray Catbird	x	x		
Cedar Waxwing			x	
Northern Shrike			x	
European Starling	x		x	
Solitary Vireo	x	x		
Yellow-throated Vireo	x	x		
Warbling Vireo	x	x		
Philadelphia Vireo	x	x		
Red-eyed Vireo	x	x		
Nashville Warbler	x	x		
Northern Parula	x	x		
Black-throated Blue Warbler	x	x		
Yellow-rumped Warbler	x	x		
Black-throated Green Warbler	x	x		
Blackburnian Warbler	+	+		
Black-and-white Warbler	x	x		
American Redstart	x	x		
Worm-eating Warbler	x	x		
Ovenbird	+	+		
Northern Waterthrush	x	x		
Common Yellowthroat	x	x		
Hooded Warbler	x	x		
Canada Warbler	+	+		
Scarlet Tanager	x	x		
Rose-breasted Grosbeak	+	+		
Indigo Bunting	x			
Rufous-sided Towhee	+	+		
Chipping Sparrow	x	x		
Song Sparrow	x	x	x	x
White-throated Sparrow			x	x
Dark-eyed Junco	x	x	x	x
Brown-headed Cowbird	x	x		
Northern Oriole	x	x		
Purple Finch				x
Virginia Opossum	x	x	x	x
Masked Shrew	x	x	x	x
Long-tailed Shrew	x	x	x	x
Northern Short-tailed Shrew	x	x	x	x
Hairy-tailed Mole	x	x	x	x
Eastern Mole	x	x	x	x

	B	BF	N	NF
Little Brown Myotis	x	x	x	
Keen's Myotis	x		x	
Indiana Myotis	x		x	
Silver-haired Bat	x			
Eastern Pipistrelle	x	x	x	
Big Brown Bat	x		x	
Red Bat	x			
New England Cottontail	x	x		
Snowshoe Hare	x	x		
Eastern Chipmunk	x	x	x	
Woodchuck	x		x	
Gray Squirrel	+	+	+	+
Red Squirrel	x	x	x	x
Southern Flying Squirrel	+	+	+	+
Northern Flying Squirrel	x	x	x	x
Beaver	x	x	x	x
Deer Mouse	x	x	x	x
White-footed Mouse	+	+	+	+
Southern Red-backed Vole	x	x	x	x
Woodland Vole	x	x	x	x
Southern Bog Lemming	x	x	x	x
Meadow Jumping Mouse			x	
Woodland Jumping Mouse	x	x	x	
Porcupine	x	x	x	x
Coyote	x	x	x	x
Red Fox	x	x	x	x
Gray Fox	+	+	+	+
Black Bear	+	+	x	
Raccoon	x	x	x	
Fisher		x		x
Ermine	x	x	x	x
Long-tailed Weasel	x	x	x	x
Mink	x	x	x	x
Striped Skunk	x	x	x	x
River Otter	x	x	x	x
Bobcat	x	x	x	x
White-tailed Deer	x	x		x
Moose		x		

New England Wildlife - search results

Search Summary

The search was done using 3 forested habitats

Number of amphibians:	13
Number of reptiles:	14
Number of birds:	86
Number of mammals:	44
TOTAL:	157

Number of species included in search: 338
Total number of species in NEWILD: 338

All seasons selected

Seasonal use symbols:
- B = Breeding season (amphibians and reptiles)
- B = Breeding season (birds and mammals)
- BF = Breeding and feeding (birds and mammals only)
- N = Winter (amphibians and reptiles)
- N = Winter (birds and mammals)
- NF = Winter feeding (birds and mammals only)
- on species list header, * = search restricted to preferred only

Utilized/Preferred symbols:
- x = utilized habitat
- + = preferred habitat

Forest size class symbols:
- S = Regeneration through seedlings
- Sp = Saplings through poletimber
- St = Sawtimber
- L = Large sawtimber
- U = Uneven-aged (Northern hardwoods only)
- on habitat list, x = size class selections

New England Wildlife - search results

A search was done using the following habitat components:

Forested habitats (all seasons selected):	S	Sp	St	L	U
Eastern hemlock		x	x	x	
Eastern white pine		x	x	x	

The following wildlife species were found:

	B	BF	N	NF
Spotted Salamander			x	
Red-spotted Newt			x	
Northern Dusky Salamander			x	
Mountain Dusky Salamander	x		x	
Redback Salamander	x		x	
Slimy Salamander			x	
Four-toed Salamander	x		x	
Northern Spring Salamander	x		x	
Northern Two-lined Salamander	x		x	
Eastern Spadefoot			x	
Eastern American Toad			x	
Fowler's Toad			x	
Northern Spring Peeper			x	
Wood Frog			x	
Pickerel Frog	x			
Common Snapping Turtle	x			
Wood Turtle	x		x	
Eastern Box Turtle			x	
Northern Brown Snake	x		x	
Northern Redbelly Snake	+		x	
Eastern Garter Snake	x		x	
Eastern Ribbon Snake	x		x	
Eastern Hognose Snake	x		x	
Northern Ringneck Snake	x		x	
Eastern Worm Snake	x		x	
Northern Black Racer	+		x	
Eastern Milk Snake	x		x	
Northern Copperhead	x		x	
Common Goldeneye	x			
Hooded Merganser	x			
Common Merganser	x			
Turkey Vulture	x		x	
Bald Eagle	x			
Sharp-shinned Hawk	x	x	x	x

	B	BF	N	NF
Cooper's Hawk	x	x	x	x
Northern Goshawk	x	x	x	x
Red-shouldered Hawk	x	x	x	x
Broad-winged Hawk	x			
Red-tailed Hawk	x	x	x	
Golden Eagle	x		x	
Peregrine Falcon		x		
Ruffed Grouse	x	x	x	x
Wild Turkey			x	x
Northern Bobwhite			x	x
Mourning Dove	x		x	
Black-billed Cuckoo	x	x		
Eastern Screech-Owl	x	x	x	x
Great Horned Owl	+	x	x	x
Northern Hawk-Owl			x	x
Barred Owl	x	x	x	x
Long-eared Owl	+	x	+	x
Boreal Owl			x	x
Northern Saw-whet Owl	+	+	+	+
Common Nighthawk	x			
Whip-poor-will	+	+		
Ruby-throated Hummingbird	x			
Red-bellied Woodpecker	x	x	x	x
Yellow-bellied Sapsucker	x	x		
Downy Woodpecker	x	x	x	x
Hairy Woodpecker	x	x	x	x
Northern Flicker	x			
Pileated Woodpecker	+	+	+	+
Olive-sided Flycatcher	x	x		
Eastern Wood-Pewee	x	x		
Yellow-bellied Flycatcher	x	x		
Alder Flycatcher	x	x		
Eastern Phoebe	x	x		
Great Crested Flycatcher	x	x		
Gray Jay	x	x	x	x
Blue Jay	+	x	x	x
American Crow	+		x	x
Common Raven	x		x	
Black-capped Chickadee	x	x	x	x
Boreal Chickadee	x	x	x	x
Tufted Titmouse	x	x	x	x
Red-breasted Nuthatch	+	+	+	+

	B	BF	N	NF
White-breasted Nuthatch	x	x	x	x
Brown Creeper	x	x	x	x
Winter Wren	x	x	x	x
Golden-crowned Kinglet	x	x	x	x
Ruby-crowned Kinglet	x	x	x	x
Eastern Bluebird	x	x	x	x
Veery	x	x		
Swainson's Thrush	x	x		
Hermit Thrush	+	+	x	x
Wood Thrush	x	x		
American Robin	x	x	x	x
Gray Catbird	x	x		
Cedar Waxwing	x	x	x	
Northern Shrike			x	
European Starling	x		x	
Solitary Vireo	+	+		
Red-eyed Vireo	x	x		
Nashville Warbler	x	x		
Northern Parula	x	x		
Magnolia Warbler	x	x		
Cape May Warbler	x	x		
Black-throated Blue Warbler	x	x		
Yellow-rumped Warbler	x	x		
Black-throated Green Warbler	+	+		
Blackburnian Warbler	x	x		
Pine Warbler	+	+		
Bay-breasted Warbler	x	x		
Blackpoll Warbler	x	x		
Black-and-white Warbler	x	x		
American Redstart	x	x		
Ovenbird	x	x		
Northern Waterthrush	x	x		
Common Yellowthroat	x	x		
Canada Warbler	x	x		
Scarlet Tanager	x	x		
Northern Cardinal	x	x	x	x
Rose-breasted Grosbeak	x	x		
Indigo Bunting	x			
Rufous-sided Towhee	x	x		
Chipping Sparrow	x	x		
Song Sparrow	x	x	x	x
White-throated Sparrow	x	x	x	x

	B	BF	N	NF
Dark-eyed Junco	x	x	x	x
Common Grackle	x			
Brown-headed Cowbird	x	x		
Pine Grosbeak			x	x
Purple Finch			x	x
Red Crossbill	x	x	x	x
White-winged Crossbill	x	x	x	x
Pine Siskin	x	x	x	x
American Goldfinch		x	x	
Evening Grosbeak	x	x	x	x
Masked Shrew	x	x	x	x
Water Shrew	x	x	x	x
Smoky Shrew	x	x	x	x
Long-tailed Shrew	x	x	x	x
Pygmy Shrew	x	x	x	x
Northern Short-tailed Shrew	x	x	x	x
Hairy-tailed Mole	x	x	x	x
Little Brown Myotis	x	x	x	
Keen's Myotis	x		x	
Indiana Myotis	x		x	
Small-footed Myotis	x		x	
Silver-haired Bat	x			
Eastern Pipistrelle	x	x	x	
Big Brown Bat	x		x	
Red Bat	x			
Hoary Bat	x			
Snowshoe Hare	x	x	x	x
Eastern Chipmunk	x	x	x	
Gray Squirrel	x	x	x	x
Red Squirrel	+	+	+	+
Northern Flying Squirrel	x	x	x	x
Deer Mouse	+	+	+	+
White-footed Mouse	x	x	x	x
Southern Red-backed Vole	+	+	+	+
Rock Vole	x	x	x	x
Northern Bog Lemming	x	x	x	x
Meadow Jumping Mouse			x	
Woodland Jumping Mouse	x	x	x	
Porcupine	+	+	+	+
Coyote	x	x	x	x
Red Fox	x	x	x	x
Black Bear	x	x	x	

	B	BF	N	NF
Raccoon	x	x		
Marten	+	+	+	+
Fisher	x	x	x	x
Ermine	x	x	x	x
Long-tailed Weasel	x	x	x	x
Mink	x	x	x	x
Striped Skunk	x	x	x	
River Otter	x	x	x	x
Mountain Lion	x	x	x	x
Lynx	x	x	x	x
Bobcat	x	x	x	x
White-tailed Deer	x	x	+	x
Moose	x	x	x	

New England Wildlife - search results

Search Summary

The search was done using 6 forested habitats

Number of amphibians:	15
Number of reptiles:	13
Number of birds:	100
Number of mammals:	45
TOTAL:	173

Number of species included in search: 338
Total number of species in NEWILD: 338

All seasons selected

Seasonal use symbols:
- B = Breeding season (amphibians and reptiles)
- B = Breeding season (birds and mammals)
- BF = Breeding and feeding (birds and mammals only)
- N = Winter (amphibians and reptiles)
- N = Winter (birds and mammals)
- NF = Winter feeding (birds and mammals only)
- on species list header, * = search restricted to preferred only

Utilized/Preferred symbols:
- x = utilized habitat
- + = preferred habitat

Forest size class symbols:
- S = Regeneration through seedlings
- Sp = Saplings through poletimber
- St = Sawtimber
- L = Large sawtimber
- U = Uneven-aged (Northern hardwoods only)
- on habitat list, x = size class selections

New England Wildlife - search results

A search was done using the following habitat components:
Nonforested habitats:
Shrub / old field

The following wildlife species were found:

	B	BF	N	NF
Eastern American Toad			x	
Common Snapping Turtle	x			
Stinkpot	x			
Spotted Turtle	x			
Bog Turtle	x		x	
Wood Turtle	x		x	
Eastern Box Turtle	x		x	
Map Turtle	x			
Blanding's Turtle			x	
Northern Brown Snake	x		x	
Eastern Garter Snake	x		x	
Maritime Garter Snake	x		x	
Eastern Hognose Snake	x		x	
Northern Black Racer	x		x	
Eastern Smooth Green Snake	x		x	
Black Rat Snake	+		x	
Yellow-crowned Night-Heron				x
Glossy Ibis				x
Northern Harrier				x
Sharp-shinned Hawk		x		x
Cooper's Hawk		x		x
Northern Goshawk		x		
Red-tailed Hawk		x		x
Rough-legged Hawk			x	x
Golden Eagle		x		
American Kestrel			x	x
Merlin				x
Peregrine Falcon		x		x
Ring-necked Pheasant	x	x	+	+
Ruffed Grouse		x		
Wild Turkey		x		x
Northern Bobwhite	x	x		
American Woodcock	x	x		
Mourning Dove		x		
Black-billed Cuckoo	x	x		

	B	BF	N	NF
Yellow-billed Cuckoo	x	x		
Eastern Screech-Owl		x		x
Great Horned Owl		x		x
Barred Owl		x		
Great Gray Owl				x
Long-eared Owl		x		
Common Nighthawk		x		
Whip-poor-will		x		
Chimney Swift		x		
Ruby-throated Hummingbird	x	x		
Alder Flycatcher	x	x		
Willow Flycatcher	+	+		
Eastern Kingbird		x		
Purple Martin		x		
Tree Swallow		x		
Northern Rough-winged Swallow		x		
Bank Swallow		x		
Cliff Swallow		x		
Barn Swallow		x		
American Crow		x		
Black-capped Chickadee				x
Carolina Wren	x	x		
House Wren	x	x		
Blue-gray Gnatcatcher	x	x		
Eastern Bluebird		x		x
Veery	x	x		
Hermit Thrush	x	x		
Gray Catbird	x	x		
Northern Mockingbird	+	x	x	x
Brown Thrasher	x	x	x	x
Bohemian Waxwing			x	x
Cedar Waxwing	x	x	x	x
Northern Shrike			x	x
Loggerhead Shrike			x	x
White-eyed Vireo	x	x		
Philadelphia Vireo	x	x		
Blue-winged Warbler	+	+		
Golden-winged Warbler	+	+		
Tennessee Warbler	x	x		
Yellow Warbler	x	x		
Chestnut-sided Warbler	x	x		
Yellow-rumped Warbler			x	x

	B	BF	N	NF
Prairie Warbler	x	x		
Bay-breasted Warbler	x	x		
Mourning Warbler	x	x		
Common Yellowthroat	x	x		
Hooded Warbler	x	x		
Yellow-breasted Chat	x	x		
Northern Cardinal	x	x	x	x
Rose-breasted Grosbeak	x	x		
Indigo Bunting	x	x		
Rufous-sided Towhee	x	x		
American Tree Sparrow			x	x
Field Sparrow	x	x	x	x
Vesper Sparrow	x	x		
Fox Sparrow			+	+
Song Sparrow	x	x	x	x
Lincoln's Sparrow	x	x		
White-throated Sparrow	x	x	+	+
Dark-eyed Junco	x	x	x	x
Brown-headed Cowbird	x			
American Goldfinch	x	x	x	x
Evening Grosbeak				x
House Sparrow		x		
Virginia Opossum		x	x	x
Masked Shrew	x	x	x	x
Northern Short-tailed Shrew	x	x	x	x
Least Shrew	x	x	x	x
Hairy-tailed Mole	x	x	x	x
Eastern Mole	x	x	x	x
Little Brown Myotis		x		
Keen's Myotis		x		
Indiana Myotis		x		
Small-footed Myotis		x		
Silver-haired Bat		x		
Eastern Pipistrelle		x		
Big Brown Bat		x		
Red Bat		x		
Hoary Bat		x		
Eastern Cottontail	+	+	+	+
New England Cottontail	+	+	x	x
Snowshoe Hare	+	+	x	x
Eastern Chipmunk	x	x	x	
Woodchuck	x	x	x	

	B	BF	N	NF
Deer Mouse	x	x	x	x
White-footed Mouse	+	+	+	+
Southern Red-backed Vole	x	x	x	x
Meadow Vole	x	x	x	x
Woodland Vole	x	x	x	x
Southern Bog Lemming	x	x	x	x
Northern Bog Lemming	x	x	x	x
Norway Rat		x		x
House Mouse	x	x	x	x
Meadow Jumping Mouse	x	x	x	
Woodland Jumping Mouse	+	+	+	
Porcupine		x		x
Coyote	x	x	x	x
Red Fox	x	x	x	x
Gray Fox		x		x
Black Bear		x		
Raccoon		x		
Ermine	+	+	+	+
Long-tailed Weasel	x	x	x	x
Striped Skunk	x	x	+	
Mountain Lion		x		x
Lynx		x	x	x
Bobcat		x		x
White-tailed Deer	x	x		x
Moose		x	x	x

New England Wildlife - search results

Search Summary

The search was done using 1 nonforested habitat

Number of amphibians:	1
Number of reptiles:	15
Number of birds:	83
Number of mammals:	45
TOTAL:	144

Number of species included in search: 338
Total number of species in NEWILD: 338

All seasons selected

Seasonal use symbols:

B = Breeding season (amphibians and reptiles)
B = Breeding season (birds and mammals)
BF = Breeding and feeding (birds and mammals only)
N = Winter (amphibians and reptiles)
N = Winter (birds and mammals)
NF = Winter feeding (birds and mammals only)
on species list header, * = search restricted to preferred only

Utilized/Preferred symbols:

x = utilized habitat
+ = preferred habitat

New England Wildlife - search results

A search was done using the following habitat components:

Nonforested habitats:

- Grass
- Forb
- Pasture

The following wildlife species were found:

	B	BF	N	NF
Eastern Spadefoot			x	
Eastern American Toad			x	
Fowler's Toad			x	
Northern Leopard Frog	x			
Common Snapping Turtle	x			
Stinkpot	x			
Spotted Turtle	+			
Bog Turtle	x		x	
Wood Turtle	x		x	
Eastern Box Turtle	x		x	
Map Turtle	x			
Red-eared Slider	+			
Plymouth Redbelly Turtle	x			
Eastern Painted Turtle	x			
Blanding's Turtle			x	
Northern Brown Snake	x		x	
Northern Redbelly Snake	x		x	
Eastern Garter Snake	x		x	
Maritime Garter Snake	x		x	
Eastern Hognose Snake	+		x	
Northern Ringneck Snake	x		x	
Eastern Worm Snake	x		x	
Northern Black Racer	+		x	
Eastern Smooth Green Snake	+		x	
Black Rat Snake	x		x	
Eastern Milk Snake	x		x	
Least Bittern				x
Great Blue Heron				x
Mute Swan				x
Canada Goose		x		
American Black Duck				x
Mallard	x	x		x
Turkey Vulture		+	x	x

	B	BF	N	NF
Northern Harrier	x	x		x
Sharp-shinned Hawk		x		x
Cooper's Hawk		x		x
Northern Goshawk		x		
Broad-winged Hawk		+		
Red-tailed Hawk		+		x
Rough-legged Hawk			+	+
Golden Eagle		x		
American Kestrel	+	+	+	+
Merlin				x
Peregrine Falcon		x		x
Gray Partridge	+	+	+	+
Ring-necked Pheasant	+	+	x	x
Ruffed Grouse		x		
Wild Turkey		x		x
Northern Bobwhite	+	+	+	+
Killdeer	x	x	x	x
Spotted Sandpiper	x	x		
Upland Sandpiper	+	+		
American Woodcock	x	+		
Ring-billed Gull				x
Rock Dove		x		x
Mourning Dove	x	x		x
Common Barn-Owl		x		x
Eastern Screech-Owl		x		x
Great Horned Owl		x		x
Snowy Owl			x	x
Barred Owl		x		x
Great Gray Owl				x
Long-eared Owl		x		x
Short-eared Owl			x	x
Northern Saw-whet Owl		x		x
Common Nighthawk		x		
Whip-poor-will	x	x		
Chimney Swift		x		
Ruby-throated Hummingbird		x		
Red-headed Woodpecker		x		
Northern Flicker		x		x
Eastern Phoebe		x		
Eastern Kingbird	x	x		
Horned Lark	+	+	x	x
Purple Martin		x		

	B	BF	N	NF
Tree Swallow		x		
Northern Rough-winged Swallow		+		
Bank Swallow		x		
Cliff Swallow		+		
Barn Swallow		+		
American Crow		x		x
Black-capped Chickadee		x		
Eastern Bluebird		x	x	x
American Robin	x	x		
Gray Catbird	x	x		
Northern Mockingbird	x	x	x	x
Brown Thrasher	+	+	x	x
Bohemian Waxwing				x
Cedar Waxwing	x	x	x	x
Northern Shrike			+	+
Loggerhead Shrike			x	x
European Starling				x
Blue-winged Warbler	x	x		
Nashville Warbler	x	x		
Yellow Warbler	x	x		
Chestnut-sided Warbler	x	x		
Prairie Warbler	x	x		
Common Yellowthroat	+	+		
Yellow-breasted Chat	+	+		
Northern Cardinal				x
Indigo Bunting	x	+		
American Tree Sparrow				x
Chipping Sparrow	x	x		
Field Sparrow	+	+	+	+
Vesper Sparrow	+	+		
Savannah Sparrow	+	+	+	+
Grasshopper Sparrow	+	+		
Henslow's Sparrow	+	+		
Song Sparrow	+	+	+	+
White-throated Sparrow	x	x		x
Dark-eyed Junco				x
Lapland Longspur		x	x	x
Snow Bunting			x	x
Bobolink	+	+		
Red-winged Blackbird	x	x		x
Eastern Meadowlark	+	+	+	+
Common Grackle		x		x

	B	BF	N	NF
Brown-headed Cowbird	x	x		x
Common Redpoll			+	+
Hoary Redpoll			+	+
Pine Siskin			x	+
American Goldfinch	+	+	x	x
Evening Grosbeak				x
House Sparrow		x		x
Virginia Opossum			x	x
Masked Shrew	x	x	x	x
Pygmy Shrew	x	x	x	x
Northern Short-tailed Shrew	x	x	x	x
Least Shrew	+	+	+	+
Hairy-tailed Mole	x	x	x	x
Eastern Mole	+	+	+	+
Little Brown Myotis		x		
Keen's Myotis		x		
Indiana Myotis		x		
Small-footed Myotis		x		
Silver-haired Bat		x		
Eastern Pipistrelle		x		
Big Brown Bat		x		
Red Bat		x		
Hoary Bat		x		
Eastern Cottontail	+	+	x	x
New England Cottontail	x	x	x	x
Snowshoe Hare			x	x
European Hare	x	x	x	x
Eastern Chipmunk	x	x	x	
Woodchuck	+	+	+	
White-footed Mouse	x	x	x	x
Southern Red-backed Vole	x	x	x	x
Meadow Vole	+	+	+	+
Rock Vole	x	x	x	x
Woodland Vole	+	+	+	+
Southern Bog Lemming	x	x	x	x
Northern Bog Lemming	x	x	x	x
Norway Rat		x		x
House Mouse	x	x	x	x
Meadow Jumping Mouse	+	+	+	
Porcupine		x		
Coyote		x		x
Red Fox		+		+

	B	BF	N	NF
Black Bear		x		
Raccoon		x		
Fisher		x		x
Ermine		x		x
Long-tailed Weasel		x		x
Striped Skunk	x	x		
Lynx			x	x
Bobcat		x		x
White-tailed Deer		x		

New England Wildlife - search results

Search Summary

The search was done using 3 nonforested habitats

Number of amphibians:	4
Number of reptiles:	22
Number of birds:	98
Number of mammals:	44
TOTAL:	168

Number of species included in search: 338
Total number of species in NEWILD: 338

All seasons selected

Seasonal use symbols:

B = Breeding season (amphibians and reptiles)
B = Breeding season (birds and mammals)
BF = Breeding and feeding (birds and mammals only)
N = Winter (amphibians and reptiles)
N = Winter (birds and mammals)
NF = Winter feeding (birds and mammals only)
on species list header, * = search restricted to preferred only

Utilized/Preferred symbols:

x = utilized habitat
+ = preferred habitat

New England Wildlife - search results

A search was done using the following habitat components:
Nonforested habitats:
Orchard

The following wildlife species were found:

	B	BF	N	NF
Northern Dusky Salamander			x	
Eastern American Toad			x	
Wood Frog			x	
Common Snapping Turtle	x			
Stinkpot	x			
Spotted Turtle	x			
Bog Turtle	x		x	
Wood Turtle	x		x	
Eastern Box Turtle	x		x	
Blanding's Turtle			x	
Northern Brown Snake	x		x	
Eastern Garter Snake	x		x	
Maritime Garter Snake	x		x	
Northern Black Racer	x		x	
Eastern Milk Snake	x		x	
Sharp-shinned Hawk		x		x
Broad-winged Hawk		x		
Rough-legged Hawk			x	x
Golden Eagle		x		
American Kestrel		x	x	x
Peregrine Falcon		x		
Ring-necked Pheasant	x	x	x	x
Ruffed Grouse		x		x
Wild Turkey		x		x
Northern Bobwhite	x	x	x	x
Mourning Dove	x	x		x
Common Barn-Owl		x		x
Eastern Screech-Owl		x	x	x
Great Horned Owl				x
Barred Owl				x
Northern Saw-whet Owl				x
Common Nighthawk		x		
Whip-poor-will	x	x		
Chimney Swift		x		
Ruby-throated Hummingbird	x	x		

	B	BF	N	NF
Red-headed Woodpecker	x	x	x	x
Red-bellied Woodpecker			x	x
Yellow-bellied Sapsucker			+	+
Downy Woodpecker			x	x
Hairy Woodpecker			x	x
Northern Flicker		x		x
Eastern Wood-Pewee	x	x		
Least Flycatcher	x	x		
Eastern Phoebe		x		
Great Crested Flycatcher	x	x		
Eastern Kingbird	+	+		
Purple Martin		x		
Tree Swallow		x		
Northern Rough-winged Swallow		x		
Bank Swallow		x		
Cliff Swallow		x		
Barn Swallow		x		
Blue Jay	x	x	x	x
American Crow		x		x
Black-capped Chickadee	x	x		x
Tufted Titmouse		x		x
Red-breasted Nuthatch				x
White-breasted Nuthatch	x	x	+	+
Brown Creeper				x
House Wren	x	x		
Blue-gray Gnatcatcher	x	x		
Eastern Bluebird	+	+	x	x
American Robin	x	x	x	x
Gray Catbird	x	x		
Bohemian Waxwing			x	x
Cedar Waxwing	x	x	x	x
Northern Shrike			x	x
Loggerhead Shrike	x	x	x	x
European Starling				x
Yellow-throated Vireo	x	x		
Warbling Vireo	x	x		
Red-eyed Vireo	x	x		
Yellow Warbler	x	x		
Black-and-white Warbler	x	x		
American Redstart	x	x		
Northern Cardinal		x		x
Rose-breasted Grosbeak	x	x		

	B	BF	N	NF
American Tree Sparrow				x
Chipping Sparrow	x	x		
Field Sparrow				x
Vesper Sparrow	x	x		
Song Sparrow	x	x		x
White-throated Sparrow				x
Dark-eyed Junco				x
Eastern Meadowlark			x	x
Common Grackle		x		x
Brown-headed Cowbird	x	x		x
Orchard Oriole	+	+		
Northern Oriole	x	x		
Pine Grosbeak			x	x
Purple Finch				x
House Finch				x
Common Redpoll			x	x
Hoary Redpoll			x	x
American Goldfinch	x	x	x	x
Evening Grosbeak				x
House Sparrow		x		x
Virginia Opossum		x		
Masked Shrew	x	x	x	x
Pygmy Shrew	x	x	x	x
Northern Short-tailed Shrew	x	x	x	x
Least Shrew	x	x	x	x
Eastern Mole	x	x	x	x
Little Brown Myotis		x		
Keen's Myotis		x		
Indiana Myotis		x		
Silver-haired Bat		x		
Eastern Pipistrelle		x		
Big Brown Bat		x		
Red Bat		x		
Eastern Cottontail	+	+		
New England Cottontail	x	x		
European Hare	x	x	x	x
Woodchuck	+	+	+	
Southern Flying Squirrel	x	x	x	x
White-footed Mouse	x	x	x	x
Meadow Vole	+	+	+	+
Woodland Vole	+	+	+	+
Southern Bog Lemming	x	x	x	x

	B	BF	N	NF
Norway Rat	x	x	x	x
House Mouse	x	x	x	x
Meadow Jumping Mouse	x	x		
Porcupine		x	x	x
Coyote		x		x
Red Fox		x		x
Black Bear		+		
Raccoon		x		
Long-tailed Weasel		x		x
Striped Skunk	x	x		
Lynx			x	x
Bobcat		x		x
White-tailed Deer		x		x

New England Wildlife - search results

Search Summary

The search was done using 1 nonforested habitat

Number of amphibians:	3
Number of reptiles:	12
Number of birds:	82
Number of mammals:	35
TOTAL:	132

Number of species included in search: 338
Total number of species in NEWILD: 338

All seasons selected

Seasonal use symbols:

B = Breeding season (amphibians and reptiles)
B = Breeding season (birds and mammals)
BF = Breeding and feeding (birds and mammals only)
N = Winter (amphibians and reptiles)
N = Winter (birds and mammals)
NF = Winter feeding (birds and mammals only)
on species list header, * = search restricted to preferred only

Utilized/Preferred symbols:

x = utilized habitat
+ = preferred habitat

New England Wildlife - search results

A search was done using the following habitat components:

Forested habitats (all seasons selected):	S	Sp	St	L	U
Red maple		x	x	x	

The following wildlife species were found:

	B	BF	N	NF
Marbled Salamander	+		x	
Jefferson Salamander	+		x	
Silvery Salamander			x	
Blue-spotted Salamander			x	
Tremblay's Salamander			x	
Spotted Salamander	+		x	
Red-spotted Newt			x	
Northern Dusky Salamander			x	
Mountain Dusky Salamander	+		x	
Redback Salamander	x		x	
Slimy Salamander	+		x	
Four-toed Salamander	+		x	
Northern Spring Salamander	+		x	
Northern Two-lined Salamander	x		x	
Eastern American Toad			x	
Fowler's Toad			x	
Northern Spring Peeper			x	
Gray Treefrog			x	
Bullfrog			x	
Green Frog			x	
Mink Frog			x	
Wood Frog			x	
Northern Leopard Frog	x			
Pickerel Frog	x		x	
Common Snapping Turtle			x	
Bog Turtle			x	
Wood Turtle	x		x	
Eastern Box Turtle	x		x	
Eastern Painted Turtle	x			
Five-lined Skink	+		x	
Northern Water Snake	x		x	
Northern Brown Snake	x		x	
Northern Redbelly Snake	x		x	
Eastern Garter Snake	x		x	
Eastern Ribbon Snake	+		x	

	B	BF	N	NF
Northern Ringneck Snake	+		x	
Northern Black Racer	x		x	
Eastern Smooth Green Snake	x		x	
Black Rat Snake	x		x	
Eastern Milk Snake	x		x	
Northern Copperhead	x		x	
Timber Rattlesnake	x		x	
Great Blue Heron	+			
Green-backed Heron	+	x		
Wood Duck	+	x		
American Black Duck	x	x		
Common Goldeneye	+			
Bufflehead	x			
Hooded Merganser	+	x		
Common Merganser	+			
Turkey Vulture			x	
Sharp-shinned Hawk	x	x	x	x
Cooper's Hawk	x	x	x	x
Northern Goshawk	x	x	x	x
Red-shouldered Hawk	+	+	x	x
Broad-winged Hawk	+			
Red-tailed Hawk	x		x	
Peregrine Falcon		x		
Ruffed Grouse	x	x		
Wild Turkey			x	x
American Woodcock	+	x		
Mourning Dove			x	
Yellow-billed Cuckoo	x	x		
Eastern Screech-Owl	+	+	+	+
Great Horned Owl	+	x	x	x
Barred Owl	+	+	+	+
Great Gray Owl			+	
Long-eared Owl	x	x	x	x
Northern Saw-whet Owl	+	x	+	x
Whip-poor-will	x	x		
Ruby-throated Hummingbird	+	+		
Red-headed Woodpecker	+	+	+	+
Red-bellied Woodpecker	+	+	+	+
Yellow-bellied Sapsucker	x	x	x	x
Downy Woodpecker	+	+	+	+
Hairy Woodpecker	+	+	+	+
Northern Flicker	x			

	B	BF	N	NF
Pileated Woodpecker	+	+	+	+
Eastern Wood-Pewee	x	x		
Acadian Flycatcher	x	x		
Least Flycatcher	+	+		
Eastern Phoebe	x	x		
Great Crested Flycatcher	x	x		
Tree Swallow	+			
Blue Jay	+	x	x	x
American Crow	x		x	x
Black-capped Chickadee	+	+	+	+
Tufted Titmouse	x	x	x	x
White-breasted Nuthatch	x	x	x	x
Brown Creeper	x	x	x	x
Carolina Wren	+	+	+	+
House Wren	x	x		
Winter Wren	+	+	x	x
Golden-crowned Kinglet			x	x
Blue-gray Gnatcatcher	+	+		
Veery	+	+		
Hermit Thrush	x	x	x	x
Wood Thrush	x	x		
American Robin	x	x	x	x
Gray Catbird	+	+		
Brown Thrasher	x	x		
Cedar Waxwing			x	
Northern Shrike			x	
European Starling	x		x	
Solitary Vireo	x	x		
Yellow-throated Vireo	+	+		
Warbling Vireo	+	+		
Philadelphia Vireo	x	x		
Red-eyed Vireo	x	x		
Northern Parula	x	x		
Black-throated Blue Warbler	x	x		
Yellow-rumped Warbler	+	+		
Black-throated Green Warbler	x	x		
Cerulean Warbler	x	x		
Black-and-white Warbler	x	x		
American Redstart	x	x		
Prothonotary Warbler	+	+		
Ovenbird	x	x		
Northern Waterthrush	+	+		

	B	BF	N	NF
Louisiana Waterthrush	+	+		
Common Yellowthroat	+	+		
Hooded Warbler	x	x		
Canada Warbler	x	x		
Scarlet Tanager	x	x		
Northern Cardinal	x	x	x	x
Rose-breasted Grosbeak	x	x		
Indigo Bunting	x			
Rufous-sided Towhee	x	x		
Chipping Sparrow	x	x		
Song Sparrow	x	x	x	x
White-throated Sparrow	x	x	x	x
Dark-eyed Junco			x	x
Red-winged Blackbird		x		
Rusty Blackbird	x	x	x	x
Common Grackle			x	x
Brown-headed Cowbird	x	x	x	x
Orchard Oriole	x	x		
Northern Oriole	x	x		
Purple Finch			x	x
Pine Siskin			x	x
American Goldfinch			+	+
Evening Grosbeak			x	x
Virginia Opossum	+	+	+	+
Masked Shrew	x	x	x	x
Water Shrew	x	x	x	x
Smoky Shrew	x	x	x	x
Northern Short-tailed Shrew	x	x	x	x
Hairy-tailed Mole	x	x	x	x
Eastern Mole	x	x	x	x
Star-nosed Mole	x	x	x	x
Little Brown Myotis	x	x	x	
Keen's Myotis	x		x	
Indiana Myotis	x		x	
Silver-haired Bat	x			
Eastern Pipistrelle	x	x	x	
Big Brown Bat	x		x	
Red Bat	x			
New England Cottontail	x	x		
Snowshoe Hare	x	x		
Eastern Chipmunk	x	x	x	
Woodchuck	x		x	

	B	BF	N	NF
Gray Squirrel	x	x	x	x
Red Squirrel	x	x	x	x
Southern Flying Squirrel	x	x	x	x
Beaver	x	+	x	+
Deer Mouse	x	x	x	x
White-footed Mouse	x	x	x	x
Southern Red-backed Vole	x	x	x	x
Woodland Vole	x	x	x	x
Southern Bog Lemming	x	x	x	x
Meadow Jumping Mouse			x	
Woodland Jumping Mouse	+	+	+	
Porcupine	x	x	x	x
Coyote	x	x	x	x
Red Fox	x	x	x	x
Gray Fox	+	+	+	+
Black Bear	+	+	x	
Raccoon	+	+	+	+
Fisher	x	x	x	x
Ermine	x	x	x	x
Long-tailed Weasel	x	x	x	x
Mink	+	+	+	+
Striped Skunk	x	x	x	x
River Otter	x	x	x	x
Mountain Lion	x	x	x	x
Lynx		x	x	x
Bobcat	x	x	x	x
White-tailed Deer	x	x		x
Moose	x	+	+	+

New England Wildlife - search results

Search Summary

The search was done using 3 forested habitats

Number of amphibians:	24
Number of reptiles:	18
Number of birds:	100
Number of mammals:	47
TOTAL:	189

Number of species included in search: 338
Total number of species in NEWILD: 338

All seasons selected

Seasonal use symbols:
- B = Breeding season (amphibians and reptiles)
- B = Breeding season (birds and mammals)
- BF = Breeding and feeding (birds and mammals only)
- N = Winter (amphibians and reptiles)
- N = Winter (birds and mammals)
- NF = Winter feeding (birds and mammals only)
- on species list header, * = search restricted to preferred only

Utilized/Preferred symbols:
- x = utilized habitat
- + = preferred habitat

Forest size class symbols:
- S = Regeneration through seedlings
- Sp = Saplings through poletimber
- St = Sawtimber
- L = Large sawtimber
- U = Uneven-aged (Northern hardwoods only)
- on habitat list, x = size class selections

New England Wildlife - search results

A search was done using the following habitat components:
Nonforested habitats:
Shrub swamp

The following wildlife species were found:

	B	BF	N	NF
Mudpuppy	x			
Marbled Salamander	x		x	
Jefferson Salamander	x		x	
Silvery Salamander	x		x	
Blue-spotted Salamander	x		x	
Spotted Salamander	x		x	
Red-spotted Newt	x		x	
Eastern American Toad	x		x	
Northern Spring Peeper	x		x	
Gray Treefrog	x		x	
Green Frog	x		x	
Wood Frog	x		x	
Spotted Turtle	x			
Wood Turtle			x	
Midland Painted Turtle			x	
Blanding's Turtle			x	
Northern Water Snake	x			
Northern Brown Snake			x	
Northern Redbelly Snake	x		x	
Eastern Garter Snake			x	
Maritime Garter Snake			x	
Eastern Ribbon Snake	x		x	
Northern Black Racer	x		x	
Eastern Smooth Green Snake	x			
American Bittern			x	x
Least Bittern			x	x
Great Blue Heron			x	x
Green-backed Heron				x
Black-crowned Night-Heron	+			x
Yellow-crowned Night-Heron	+			x
Glossy Ibis	+			
Wood Duck	x	x		
American Black Duck	x	x		
Mallard	x	x		
Gadwall	x	x		

	B	BF	N	NF
Ring-necked Duck	x	x		
Northern Harrier	x	x		
Red-shouldered Hawk		+		x
Rough-legged Hawk				x
American Kestrel				x
Merlin				x
Peregrine Falcon		x		x
Sora	x	x		
Common Snipe	+	+	+	+
American Woodcock	x	x		
Black-billed Cuckoo	x	x		
Great Horned Owl				x
Northern Hawk-Owl			x	x
Great Gray Owl				x
Yellow-bellied Flycatcher	+	+		
Alder Flycatcher	+	+		
Tree Swallow	x	x		
Winter Wren		x		x
Blue-gray Gnatcatcher	x	x		
Hermit Thrush			x	x
American Robin	x	x	x	x
Cedar Waxwing	x	x	x	x
White-eyed Vireo	+	+		
Blue-winged Warbler	x	x		
Tennessee Warbler	x	x		
Nashville Warbler	x	x		
Northern Parula	x	x		
Yellow Warbler	x	x		
Chestnut-sided Warbler	x	x		
Yellow-rumped Warbler			x	x
Palm Warbler	x	x		
Prothonotary Warbler	x	x		
Northern Waterthrush	x	x		
Louisiana Waterthrush	x	x		
Mourning Warbler	x	x		
Common Yellowthroat	+	+		
Hooded Warbler	+	+		
Wilson's Warbler	x	x		
Canada Warbler	x	x		
Northern Cardinal	x	x		
American Tree Sparrow			x	x
Song Sparrow	+	+	x	x

	B	BF	N	NF
Lincoln's Sparrow	x	x		
Swamp Sparrow	+	+	x	x
Red-winged Blackbird	x	x		x
Rusty Blackbird	x	x	x	x
Common Grackle	+	+	x	x
American Goldfinch	+	+	x	x
Virginia Opossum	x	+	x	x
Masked Shrew	x	x	x	x
Water Shrew	+	+	+	+
Pygmy Shrew	x	x	x	x
Northern Short-tailed Shrew	x	x	x	x
Star-nosed Mole	x	x	x	x
Little Brown Myotis		+		
Keen's Myotis		+		
Indiana Myotis		x		
Small-footed Myotis		x		
Silver-haired Bat		+		
Eastern Pipistrelle		+		
Big Brown Bat		+		
Red Bat		x		
Hoary Bat		x		
Eastern Cottontail	+	+	x	x
New England Cottontail	+	+	+	+
Snowshoe Hare	+	+	x	x
Beaver		x		x
White-footed Mouse	x	x	x	x
Southern Red-backed Vole	x	x	x	x
Meadow Vole	x	x	x	x
Muskrat	x	x	x	x
Meadow Jumping Mouse	x	x	x	
Woodland Jumping Mouse	x	x	x	
Porcupine				x
Coyote		x		x
Red Fox		x		x
Gray Fox		x		x
Black Bear		x		
Raccoon		+		x
Fisher		x		x
Ermine		x		x
Long-tailed Weasel		x		x
Mink	x	x	x	x
Striped Skunk		x		

	B	BF	N	NF
River Otter		x		x
Mountain Lion		x		x
Lynx		+	+	+
Bobcat		x		x
White-tailed Deer	x	x		x
Moose	x	x	x	x

New England Wildlife - search results

Search Summary

The search was done using 1 nonforested habitat

Number of amphibians:	12
Number of reptiles:	12
Number of birds:	59
Number of mammals:	42
TOTAL:	125

Number of species included in search: 338
Total number of species in NEWILD: 338

All seasons selected

Seasonal use symbols:

B = Breeding season (amphibians and reptiles)
B = Breeding season (birds and mammals)
BF = Breeding and feeding (birds and mammals only)
N = Winter (amphibians and reptiles)
N = Winter (birds and mammals)
NF = Winter feeding (birds and mammals only)
on species list header, * = search restricted to preferred only

Utilized/Preferred symbols:

x = utilized habitat
+ = preferred habitat

New England Wildlife - search results

A search was done using the following habitat components:

Nonforested habitats:

Shallow marsh

Deep marsh

The following wildlife species were found:

	B	BF	N	NF
Mudpuppy	x			
Jefferson Salamander	x			
Spotted Salamander	x			
Red-spotted Newt	+		x	
Four-toed Salamander	x			
Eastern American Toad	x			
Northern Spring Peeper	+			
Gray Treefrog	x			
Bullfrog			x	
Green Frog	x		x	
Mink Frog			x	
Wood Frog	x		x	
Northern Leopard Frog	x		+	
Common Snapping Turtle			x	
Stinkpot			x	
Spotted Turtle	x		+	
Bog Turtle	x			
Wood Turtle			x	
Red-eared Slider			+	
Eastern Painted Turtle			+	
Midland Painted Turtle			x	
Blanding's Turtle			x	
Eastern Garter Snake			x	
Maritime Garter Snake			x	
Eastern Ribbon Snake	x			
Northern Ribbon Snake	x			
Eastern Hognose Snake			x	
Northern Black Racer	x			
Eastern Smooth Green Snake	x			
Pied-billed Grebe	+	+	x	x
American Bittern	+	+	x	x
Least Bittern	+	+	x	x
Great Blue Heron	+	+	x	x
Green-backed Heron	+	+	x	x

	B	BF	N	NF
Black-crowned Night-Heron			x	x
Yellow-crowned Night-Heron			x	x
Glossy Ibis				x
Mute Swan			x	x
Canada Goose	+	+		
Wood Duck	x	x		
Green-winged Teal	+	+	x	x
American Black Duck	+	+	+	+
Mallard	+	+	x	x
Northern Pintail	x	x		
Blue-winged Teal	+	+		
Northern Shoveler	+	+	x	x
Gadwall	+	+		
American Wigeon	x	x	x	x
Canvasback	x	x	x	x
Ring-necked Duck	x	x	x	x
Hooded Merganser			x	x
Northern Harrier	+	+	x	x
Rough-legged Hawk				x
Golden Eagle		x		
American Kestrel		x		
Merlin				x
Peregrine Falcon		x		x
King Rail	+	+	x	x
Virginia Rail	+	+	+	+
Sora	+	+		
Common Moorhen	+	+		
American Coot	+	+		
Common Snipe	x	x	x	x
Black Tern	+	+		
Eastern Screech-Owl				+
Long-eared Owl				x
Short-eared Owl			x	x
Purple Martin		x		
Tree Swallow		+		
Northern Rough-winged Swallow		x		
Bank Swallow		x		
Cliff Swallow		x		
Barn Swallow		x		
Fish Crow	x	x		
Marsh Wren	x	x		
Northern Shrike				x

	B	BF	N	NF
Loggerhead Shrike				x
Common Yellowthroat	x	x		
American Tree Sparrow				x
Savannah Sparrow	x	x		
Song Sparrow				x
Swamp Sparrow	x	x	x	x
Snow Bunting			x	x
Bobolink	x	x		
Red-winged Blackbird	+	+		x
Common Grackle		x		x
Brown-headed Cowbird				x
American Goldfinch	+	+	x	x
Virginia Opossum	x	+		
Masked Shrew	x	x	x	x
Water Shrew	+	+	+	+
Northern Short-tailed Shrew	x	x	x	x
Least Shrew	x	x	x	x
Star-nosed Mole	x	x	x	x
Little Brown Myotis		+		
Keen's Myotis		+		
Indiana Myotis		x		
Small-footed Myotis		x		
Silver-haired Bat		+		
Eastern Pipistrelle		+		
Big Brown Bat		+		
Red Bat		x		
Hoary Bat		x		
Eastern Cottontail	+	+		
New England Cottontail	x	x		
Beaver		x		x
Meadow Vole	x	x	x	x
Muskrat	+	+	+	+
Southern Bog Lemming	+	+	+	+
Northern Bog Lemming	x	x	x	x
Meadow Jumping Mouse	+	+		
Coyote		x		x
Red Fox		x		x
Gray Fox		x		x
Black Bear		x		
Raccoon		+		
Long-tailed Weasel		x		x
Mink	+	+	+	+

	B	BF	N	NF
Striped Skunk		x		
River Otter	x	x	x	x
White-tailed Deer		x		
Moose		+		

New England Wildlife - search results

Search Summary

The search was done using 2 nonforested habitats

Number of amphibians:	13
Number of reptiles:	16
Number of birds:	59
Number of mammals:	34
TOTAL:	122

Number of species included in search: 338
Total number of species in NEWILD: 338

All seasons selected

Seasonal use symbols:

B = Breeding season (amphibians and reptiles)
B = Breeding season (birds and mammals)
BF = Breeding and feeding (birds and mammals only)
N = Winter (amphibians and reptiles)
N = Winter (birds and mammals)
NF = Winter feeding (birds and mammals only)
on species list header, * = search restricted to preferred only

Utilized/Preferred symbols:

x = utilized habitat
+ = preferred habitat

New England Wildlife - search results

A search was done using the following habitat components:

Nonforested habitats:

Sedge meadow

The following wildlife species were found:

	B	BF	N	NF
Marbled Salamander	x		x	
Jefferson Salamander	x		x	
Silvery Salamander			x	
Blue-spotted Salamander			x	
Spotted Salamander	x		x	
Red-spotted Newt			x	
Northern Dusky Salamander	x		x	
Four-toed Salamander	x			
Eastern American Toad			x	
Fowler's Toad	x		x	
Northern Spring Peeper	x		x	
Green Frog			x	
Wood Frog			x	
Northern Leopard Frog	+			
Spotted Turtle	+			
Bog Turtle	+		x	
Wood Turtle			x	
Eastern Box Turtle	x		x	
Midland Painted Turtle			x	
Northern Water Snake	x		x	
Northern Brown Snake			x	
Northern Redbelly Snake	x			
Eastern Garter Snake			x	
Maritime Garter Snake			x	
Eastern Ribbon Snake	+		x	
Northern Ribbon Snake	x		x	
Eastern Smooth Green Snake			x	
Pied-billed Grebe			x	x
American Bittern			x	x
Least Bittern				x
Great Blue Heron			x	x
Green-backed Heron			x	x
Yellow-crowned Night-Heron				x
Glossy Ibis				x
Mute Swan				x

	B	BF	N	NF
American Black Duck	x	x	x	x
Mallard	x	x	x	x
Northern Shoveler		x		
Gadwall	x			
American Wigeon			x	x
Northern Harrier	x	x	x	x
Rough-legged Hawk				x
Golden Eagle		x		
American Kestrel		x		x
Merlin				x
Peregrine Falcon		x		x
King Rail	x	x	x	x
Virginia Rail			x	x
Sora	x	x		
Killdeer		x		x
Common Snipe	x	x	x	x
American Woodcock	x	x		
Ring-billed Gull				x
Eastern Screech-Owl				x
Great Horned Owl				x
Snowy Owl			x	x
Long-eared Owl				x
Common Nighthawk		x		
Chimney Swift		x		
Purple Martin		x		
Tree Swallow		x		
Northern Rough-winged Swallow		x		
Bank Swallow		x		
Cliff Swallow		x		
Barn Swallow		x		
Sedge Wren	+	+		
Northern Shrike				x
Loggerhead Shrike				x
European Starling		x		x
Common Yellowthroat	x	x		
American Tree Sparrow				x
Vesper Sparrow	x	x		
Savannah Sparrow	x	x	x	x
Henslow's Sparrow	+	+		
Song Sparrow				x
Swamp Sparrow	x	x		x
Snow Bunting			x	x

	B	BF	N	NF
Bobolink	x	x		
Red-winged Blackbird	x	x		x
Common Grackle		x		x
Brown-headed Cowbird				x
Virginia Opossum	x	+		
Masked Shrew	x	x	x	x
Water Shrew	+	+	+	+
Pygmy Shrew	x	x	x	x
Northern Short-tailed Shrew	+	+	+	+
Least Shrew	x	x	x	x
Star-nosed Mole	+	+	+	+
Little Brown Myotis		x		
Keen's Myotis		x		
Indiana Myotis		x		
Small-footed Myotis		x		
Silver-haired Bat		x		
Eastern Pipistrelle		x		
Big Brown Bat		x		
Red Bat		x		
Hoary Bat		x		
Eastern Cottontail	+	+		
New England Cottontail	x	x		
White-footed Mouse	x	x	x	x
Meadow Vole	x	x	x	x
Muskrat	x	x	x	x
Southern Bog Lemming	+	+	+	+
Northern Bog Lemming	+	+	+	+
Meadow Jumping Mouse	+	+		
Porcupine		x		
Coyote		x		x
Red Fox		x		x
Gray Fox		x		x
Black Bear		x		
Raccoon		x		
Fisher		x		
Long-tailed Weasel		x		x
Mink	x	x	x	x
Striped Skunk		x		
Bobcat		x		x
White-tailed Deer		x		
Moose		x		

New England Wildlife - search results

Search Summary

The search was done using 1 nonforested habitat

Number of amphibians:	14
Number of reptiles:	13
Number of birds:	54
Number of mammals:	37
TOTAL:	118

Number of species included in search: 338
Total number of species in NEWILD: 338

All seasons selected

Seasonal use symbols:

B = Breeding season (amphibians and reptiles)
B = Breeding season (birds and mammals)
BF = Breeding and feeding (birds and mammals only)
N = Winter (amphibians and reptiles)
N = Winter (birds and mammals)
NF = Winter feeding (birds and mammals only)
on species list header, * = search restricted to preferred only

Utilized/Preferred symbols:

x = utilized habitat
+ = preferred habitat

New England Wildlife - search results

A search was done using the following habitat components:

Nonforested habitats:

Pond

Lake

The following wildlife species were found:

	B	BF	N	NF
Mudpuppy	+		+	
Jefferson Salamander	+			
Silvery Salamander	+			
Blue-spotted Salamander	+			
Tremblay's Salamander	+			
Spotted Salamander	+			
Red-spotted Newt	+		x	
Northern Dusky Salamander	x		x	
Four-toed Salamander	x			
Eastern American Toad	x			
Fowler's Toad	+			
Northern Spring Peeper	+			
Gray Treefrog	x			
Bullfrog	+		x	
Green Frog	x		x	
Mink Frog	+		x	
Wood Frog	x			
Northern Leopard Frog	x		x	
Pickerel Frog	+		x	
Common Snapping Turtle			+	
Stinkpot			+	
Spotted Turtle			x	
Wood Turtle			x	
Map Turtle	+		+	
Red-eared Slider			+	
Plymouth Redbelly Turtle			x	
Eastern Painted Turtle			+	
Midland Painted Turtle			x	
Blanding's Turtle			x	
Eastern Spiny Softshell			x	
Northern Water Snake	x			
Eastern Ribbon Snake	x			
Northern Ribbon Snake	x			
Common Loon	+	+	x	x

	B	BF	N	NF
Pied-billed Grebe			x	x
American Bittern			x	x
Least Bittern			x	x
Great Blue Heron			x	x
Green-backed Heron			x	x
Black-crowned Night-Heron			x	x
Glossy Ibis			x	x
Mute Swan			x	x
Wood Duck	x	x		
Green-winged Teal	x	x	x	x
American Black Duck	x	x	x	x
Mallard	x	x	x	x
Blue-winged Teal	x	x		
Northern Shoveler	x	x	x	x
Gadwall	x	x	x	x
American Wigeon	+	+	x	x
Canvasback	x	x	x	x
Ring-necked Duck	+	+	x	x
Common Goldeneye	x	x	+	+
Bufflehead			x	x
Hooded Merganser	+	+	+	+
Common Merganser	+	+	x	x
Red-breasted Merganser	+	+		
Osprey	x	x		
Bald Eagle	+	+	x	x
Golden Eagle				x
Sora	x	x		
Common Moorhen	x	x		
American Coot	x	x		
Spotted Sandpiper	x	x		
Ring-billed Gull			x	x
Herring Gull	x	x	x	x
Black Tern	x	x		
Belted Kingfisher	x	x		x
Olive-sided Flycatcher	x	x		
Purple Martin		x		
Tree Swallow		x		
Northern Rough-winged Swallow		x		
Bank Swallow		x		
Cliff Swallow		x		
Barn Swallow		x		
Fish Crow	x	x		

	B	BF	N	NF
Common Raven				+
Common Yellowthroat	x	x		
Swamp Sparrow	x	x		
Red-winged Blackbird	x	x		
Rusty Blackbird	x	x		
Common Grackle	x	x		
Water Shrew	+	+	+	+
Star-nosed Mole	x	x	x	x
Little Brown Myotis		+		
Keen's Myotis		+		
Indiana Myotis		x		
Small-footed Myotis		x		
Silver-haired Bat		+		
Eastern Pipistrelle		+		
Big Brown Bat		+		
Red Bat		x		
Hoary Bat		x		
Beaver	+	+	+	+
Muskrat	x	x	x	x
Black Bear		x		
Mink	+	+	+	+
River Otter	+	+	+	+
Moose		+		

New England Wildlife - search results

Search Summary

The search was done using 2 nonforested habitats

Number of amphibians:	19
Number of reptiles:	14
Number of birds:	49
Number of mammals:	17
TOTAL:	99

Number of species included in search: 338
Total number of species in NEWILD: 338

All seasons selected

Seasonal use symbols:

B = Breeding season (amphibians and reptiles)
B = Breeding season (birds and mammals)
BF = Breeding and feeding (birds and mammals only)
N = Winter (amphibians and reptiles)
N = Winter (birds and mammals)
NF = Winter feeding (birds and mammals only)
on species list header, * = search restricted to preferred only

Utilized/Preferred symbols:

x = utilized habitat
+ = preferred habitat