

FISHES	
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Brown Bullhead-- <i>Ictalurus nebulosus</i>	U
Golden Shiner-- <i>Notemigonus crysoleucus</i>	R
Largemouth Bass-- <i>Micropterus salmoides</i>	C
Redbreast Sunfish-- <i>Lepomis auritus</i>	C
Pumpkinseed-- <i>Lepomis gibbosus</i>	R

AMPHIBIANS	
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Marbled Salamander-- <i>Ambystoma opacum</i>	P
Jefferson Salamander - <i>Ambystoma jeffersonianum</i>	U
Spotted Salamander-- <i>Ambystoma maculatum</i>	C
Red-spotted Newt-- <i>Notophthalmus viridescens</i>	P
Dusky Salamander-- <i>Desmognathus fuscus</i>	U
Red-backed Salamander-- <i>Plethodon cinereus</i>	C
Slimy Salamander-- <i>Plethodon glutinosus</i>	P
Two-lined Salamander-- <i>Eurycea bislineata</i>	U
American Toad - <i>Bufo americanus</i>	C
Fowler's Toad-- <i>Bufo woodhousei fowleri</i>	P
Four-toed salamander-- <i>Hemidactylium scutatum</i>	P
Spring Peeper-- <i>Hyla crucifer</i>	C
Gray Treefrog-- <i>Hyla versicolor</i>	U
Bullfrog-- <i>Rana catesbeiana</i>	U
Green Frog - <i>Rana clamitans</i>	C
Wood Frog-- <i>Rana sylvatica</i>	C
Pickerel Frog-- <i>Rana palustris</i>	U

REPTILES	
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Snapping Turtle-- <i>Chelydra serpentina</i>	C
Spotted Turtle-- <i>Clemmys guttata</i>	R
Eastern Box Turtle-- <i>Terrapene carolina</i>	U
Red-bellied Turtle-- <i>Chrysemys rubriventris</i>	R
Eastern Garter Snake-- <i>Thamnophis sirtalis</i>	C
Brown Snake-- <i>Storeria dekayi</i>	C
Northern Water Snake-- <i>Nerodia sipedon</i>	C
Black Rat Snake-- <i>Elaphe obsoleta</i>	P
Eastern Milk Snake-- <i>Lampropeltis triangulum</i>	C
Northern Copperhead-- <i>Agkistrodon contortrix</i>	R
Eastern Painted Turtle-- <i>Chrysemys picta</i>	P

MAMMALS	
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Opossum-- <i>Didelphis virginiana</i>	C
Masked Shrew-- <i>Sorex cinereus</i>	C
Water Shrew-- <i>Sorex palustris</i>	P
Smoky Shrew-- <i>Sorex fumeus</i>	U
Short-tailed Shrew-- <i>Blarina brevicauda</i>	C
Eastern Mole-- <i>Scalopus aquaticus</i>	P
Star-nosed Mole-- <i>Condylura cristata</i>	U
Little Brown Bat-- <i>Myotis lucifugus</i>	P
Small-footed Bat-- <i>Myotis leibii</i>	U
Big Brown Bat-- <i>Eptesicus fuscus</i>	P

Red Bat--*Lasiurus borealis* P

MAMMALS, continued	
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Eastern Cottontail-- <i>Sylvilagus floridanus</i>	C
New England Cottontail-- <i>Sylvilagus transitionalis</i>	U
Eastern Chipmunk-- <i>Tamias striatus</i>	C
Woodchuck - <i>Marmota monax</i>	C
Eastern Gray Squirrel - <i>Sciurus carolinensis</i>	C
Red Squirrel-- <i>Tamiasciurus hudsonicus</i>	C
Southern Flying Squirrel-- <i>Glaucomys volans</i>	C
White-footed Mouse - <i>Peromyscus leucopus</i>	C
Meadow Vole-- <i>Microtus pennsylvanicus</i>	U
Pine Vole-- <i>Microtus pinetorum</i>	P
Muskrat - <i>Ondatra zibethicus</i>	C
Norway Rat-- <i>Rattus norvegicus</i>	C
House Mouse-- <i>Mus musculus</i>	R
Meadow Jumping Mouse-- <i>Zapus hudsonius</i>	P
Coyote - <i>Canis latrans</i>	C
Red Fox-- <i>Vulpes vulpes</i>	U
Gray Fox-- <i>Urocyon cinereoargenteus</i>	U
Raccoon-- <i>Procyon lotor</i>	C
Short-tailed Weasel-- <i>Mustela erminea</i>	P
Long-tailed Weasel-- <i>Mustela frenata</i>	P
Striped Skunk-- <i>Mephitis mephitis</i>	C
White-tailed Deer-- <i>Odocoileus virginianus</i>	C

BIRDS	
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	SPR	SUM	FALL	WIN
Pied-bill Grebe-- <i>Podilymbus podiceps</i>	R		R	
American Bittern-- <i>Botaurus lentiginosus</i>	R		R	
Great Blue Heron-- <i>Ardea herodias</i>	U	U	U	
Green-backed Heron-- <i>Butorides striatus</i>	U	(B)	U	
Black-crowned Night Heron-- <i>Nycticorax nycticorax</i>	P		P	
Common Egret - <i>Casmerodius albus</i>		R		
Canada Goose -- <i>Branta canadensis</i>	C	B	C	R
Wood Duck-- <i>Aix sponsa</i>	U	(B)	U	
American Black Duck-- <i>Anas rubripes</i>	R		U	
Mallard-- <i>Anas platyrhynchos</i>	C	B	C	U
Canvasback-- <i>Aythya valisineria</i>	P			
Ring-necked Duck-- <i>Aythya collaris</i>	C		C	
Lesser Scaup-- <i>Aythya affinis</i>	R		R	
Bufflehead-- <i>Bucephala albeola</i>	C		C	U
Hooded Merganser-- <i>Lophodytes cucullatus</i>	P		C	
Common Merganser-- <i>Mergus merganser</i>	R		R	
Turkey Vulture-- <i>Cathartes aura</i>	C	C	C	U
Osprey-- <i>Pandion haliaetus</i>	U	U	U	
Northern Harrier-- <i>Circus cyaneus</i>	P		R	
Sharp-shinned Hawk-- <i>Accipiter striatus</i>	U		U	

Coopers Hawk--*Accipiter cooperii* U U P

BIRDS, continued	
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	SPR	SUM	FALL	WIN
Northern Goshawk-- <i>Accipiter gentilis</i>				P
Red-shouldered Hawk-- <i>Buteo lineatus</i>	P			P
Broad-winged Hawk - <i>Buteo platypterus</i>	U	(B)	U	
Red-tailed Hawk - <i>Buteo jamaicensis</i>	C	C	C	C
American Kestrel - <i>Falco sparverius</i>	U	P	U	
Merlin - <i>Falco columbarius</i>				P
Peregrine Falcon - <i>Falco peregrinus</i>			R	
Ring-necked Pheasant - <i>Phasianus colchicus</i>	U	U	U	U
Ruffed Grouse - <i>Bonasa umbellus</i>	B	C	C	C
Wild Turkey-- <i>Meleagris gallopavo</i>	R		P	
Northern Bobwhite - <i>Colinus virginianus</i>	P	P	P	P
Spotted Sandpiper-- <i>Actitis macularia</i>	R	R	P	
Common Snipe-- <i>Gallinago gallinago</i>	P		P	
American Woodcock - <i>Scolopax minor</i>	U	(B)	U	
Ring-billed Gull - <i>Larus delawarensis</i>	U	U	U	U
Herring Gull - <i>Larus argentatus</i>	U	U	U	U
Mourning Dove-- <i>Zenaida macroura</i>	C	B	C	C
Black-billed Cuckoo-- <i>Coccyzus erythrophthalmus</i>	U	(B)	U	
Common Barn Owl-- <i>Tyto alba</i>	P	P	P	P
Eastern Screech Owl-- <i>Otus asio</i>	B	C	C	C
Great Horned Owl-- <i>Bubo wrginianus</i>	U	U	U	(B)
Northern Saw-whet Owl-- <i>Aegolius acadicus</i>				P
Common Nighthawk-- <i>Chordeilus minor</i>		U	U	
Chimney Swift-- <i>Chaetura pelagica</i>	R	R	R	
Ruby-throated Hummingbird-- <i>Archilochus colubris</i>	U	(B)	U	
Belted Kingfisher-- <i>Ceryle alcyon</i>	C	C	C	R
Red-bellied Woodpecker-- <i>Melanerpes carolinus</i>	U	U	P	U
Yellow-bellied Sapsucker-- <i>Sphyrapicus vanus</i>	R		R	
Downy Woodpecker-- <i>Picoides pubescens</i>	C	B	C	C
Hairy Woodpecker-- <i>Picoides villosus</i>	C	(B)	C	C
Northern Flicker-- <i>Colaptes aurates</i>	C	B	C	C
Pileated Woodpecker-- <i>Dryocopus pileatus</i>	C	B	C	C
Eastern Wood-Pewee - <i>Contopus virens</i>	C	(B)	U	
Acadian Flycatcher - <i>Empidonax virens</i>	P			
Least Flycatcher-- <i>Empidonax minimus</i>	P			
Eastern Phoebe-- <i>Sayornis phoebe</i>	C	B	C	
Great Crested Flycatcher-- <i>Myiarchus crinitus</i>	C	(B)		
Eastern Kingbird-- <i>Tyrannus tyrannus</i>	C	B	C	
Cliff Swallow-- <i>Hirundo pyrrhonota</i>				R
Barn Swallow-- <i>Hirundo rustica</i>	C	B	C	

Blue Jay-- <i>Cyanocitta cristata</i>	C	B	C	C
BIRDS, continued				
	SPR	SUM	FALL	WIN
American Crow - <i>Corvus brachyrhynchos</i>	C	B	C	C
Black-capped Chickadee-- <i>Parus atricapillus</i>	C	B	C	C
Tufted Titmouse-- <i>Parus bicolor</i>	C	B	C	C
White-breasted Nuthatch-- <i>Sitta carolinensis</i>	C	B	C	C
Brown Creeper - <i>Certhia americana</i>	U	(B)	U	U
Carolina Wren - <i>Thryothorus ludovicianus</i>	P	P	P	P
House Wren-- <i>Troglodytes aedon</i>	C	B	C	
Winter Wren-- <i>Troglodytes troglodytes</i>	R		P	
Golden-crowned Kinglet - <i>Regulus satrapa</i>			P	U
Ruby-crowned Kinglet-- <i>Regulus calendula</i>	U		U	R
Blue-gray Gnatcatcher-- <i>Poliophtila caerulea</i>	U		U	
Veery-- <i>Catharus fuscescens</i>	C	B	C	
Gray-cheeked Thrush-- <i>Catharus minimus</i>	P		P	
Swainson's Thrush-- <i>Catharus ustulatus</i>	U		U	
Hermit Thrush-- <i>Catharus guttatus</i>	U		U	P
Wood Thrush-- <i>Hylocichla mustelina</i>	C	B	C	
American Robin-- <i>Turdus migratorius</i>	C	B	C	R
Gray Catbird-- <i>Dumetella carolinensis</i>	C	B	C	
Northern Mockingbird-- <i>Mimus polyglottos</i>	C	B	C	C
Brown Thrasher-- <i>Toxostoma rufum</i>	U	(B)	U	
Cedar Waxwing-- <i>Bombycilla cedrorum</i>	U	U	U	U
European Starling-- <i>Stumus vulgaris</i>	C	B	C	U
White-eyed Vireo-- <i>Vireo griseus</i>	P	P	P	
Solitary Vireo - <i>Vireo solitarius</i>	P		P	
Yellow-throated Vireo-- <i>Vireo flavifrons</i>	U	(B)	U	
Red-eyed Vireo - <i>Vireo olivaceus</i>	C	B	C	
Blue-winged Warbler-- <i>Vermivora pinus</i>	C	B	C	
Golden-winged Warbler-	P		P	
<i>Vermivora chrysoptera</i>				
Tennessee Warbler-- <i>Vermivora peregrina</i>	U		U	
Nashville Warbler-- <i>Vermivora ruficapilla</i>	U		U	
Northern Parula-- <i>Parula americana</i>	U		U	
Yellow Warbler-- <i>Dendroica petechia</i>	C	B	C	
Chestnut-sided Warbler -	U	(B)	U	
<i>Dendroica pensylvanica</i>				
Magnolia Warbler-- <i>Dendroica magnolia</i>	U		U	
Cape May Warbler-- <i>Dendroica tigrina</i>	P		P	
Black-throated Blue Warbler--	U		U	
<i>Dendroica caerulescens</i>				
Yellow-rumped Warbler-- <i>Dendroica coronata</i>	C		C	P
Black-throated Green Warbler-	U		U	
<i>Dendroica virens</i>				
Blackburnian Warbler-- <i>Dendroica fusca</i>	P		P	
Prairie Warbler-- <i>Dendroica discolor</i>	U	P	U	
Palm Warbler-- <i>Dendroica palmarum</i>	P		P	

BIRDS, continued				
	SPR	SUM	FALL	WIN
Bay-breasted Warbler-- <i>Dendroica castanea</i>	U		U	
Blackpoll Warbler-- <i>Dendroica striata</i>	P		P	
Black and White Warbler-- <i>Mniotilta varia</i>	C	B	C	
American Redstart-- <i>Setophaga ruticilla</i>	C	B	C	
Worm-eating Warbler--	U	(B)	R	
<i>Helmitheros vermivorus</i>				
Ovenbird-- <i>Seiurus aurocapillus</i>	C	B	C	
Northern Waterthrush-	U		U	
<i>Seiurus noveboracensis</i>				
Louisiana Waterthrush-- <i>Seiurus motacilla</i>	C	(B)	U	
Common Yellowthroat-- <i>Geothlypis trichas</i>	C	B	C	
Hooded Warbler-- <i>Wilsonia citnna</i>	P	P	P	
Wilson's Warbler-- <i>Wilsonia pusilla</i>	U		U	
Canada Warbler-- <i>Wilsonia canadensis</i>	U		U	
Scarlet Tanager-- <i>Piranga olivacea</i>	C	B	C	
Northern Cardinal-- <i>Cardinalis cardinalis</i>	C	B	C	C
Rose-breasted Grosbeak--	C	B	C	
<i>Pheucticus ludovicianus</i>				
Indigo Bunting-- <i>Passerina cyanea</i>	R	R	R	
Rufous-sided Towhee--	C	B	C	
<i>Pipilo erythrophthalmus</i>				
American Tree Sparrow-- <i>Spizella arborea</i>			R	R
Chipping Sparrow-- <i>Spizella passerina</i>	C	B	C	
Field Sparrow-- <i>Spizella pusilla</i>	R	R	R	
Fox Sparrow-- <i>Passerella iliaca</i>	R		R	R
Song Sparrow-- <i>Melospiza melodia</i>	C	B	C	C
Swamp Sparrow-- <i>Melospiza georgiana</i>	U		U	
White-throated Sparrow--			C	C
<i>Zonotrichia albicollis</i>				
Dark-eyed Junco - <i>Junco hyemalis</i>			C	C
Red-winged Blackbird-- <i>Agelaius phoeniceus</i>	U	U	U	R
Eastern Meadowlark-- <i>Stumella magna</i>	P		P	
Rusty Blackbird-- <i>Euphagus carolinus</i>	P		P	
Common Grackle-- <i>Quiscalus quiscula</i>	C	(B)	C	
Brown-headed Cowbird-- <i>Molothrus ater</i>	C	(B)	C	U
Orchard Oriole-- <i>Icterus spurius</i>	R	R		
Northern Oriole-- <i>Icterus galbula</i>	C	B	C	
Purple Finch-- <i>Carpodacus purpureus</i>	R		U	U
House Finch-- <i>Carpodacus mexicanus</i>	C	B	C	U
Pine Siskin-- <i>Carduelis pinus</i>				P
American Goldfinch - <i>Carduelis tristis</i>	U	U	U	U
Evening Grosbeak--				R
<i>Coccothraustes vespertinus</i>				
House Sparrow - <i>Passer domesticus</i>	U	U	U	U

A CHECKLIST OF VERTEBRATES

The Louis Calder Center is a biological field station established in 1967 for ecological research and environmental education, and operated by the Department of Biological Sciences of Fordham University. The field station comprises 113 forested acres with opportunities for students in field biology and environmental studies. A variety of ecosystems and communities are available for study, including: • Mixed deciduous forest (Red Oak, Hickory, Tuliptree, American Beech, and Sugar Maple.); • Mesotrophic lake (10-acre seepage / spring-fed Calder Lake); • Wetlands (small ponds, streams, wetlands with skunk cabbage, cattail, arrowhead, wild rice); • Old fields (small , 1 - 2 acre patches of mixed meadow and woodland).

Because of the diversity of habitats present, a large number of vertebrate species are found at the Calder Center. In this checklist, 5 species of fishes, 17 amphibians, 11 reptiles, 141 birds, and 33 mammals are listed. Those species known to occur at the Center have been designated as R-rare, U-uncommon, or C-common. Those believed to be present due to range and habitat, but not verified, are listed as P-possible. For birds, additional categories include B-breeding and (B) - possibly breeding, and seasonal presence. Seasons are defined as: spring = April-May; summer = June-July; fall = August-November; winter = December-March. These periods best reflect the distinction between resident bird populations (summer and winter) and species migrating through the area (spring and fall). This checklist was compiled by Robert C. Dowler, Gertrude R. Battaly, Robert Schmidt, George Dale, Thomas Daniels and John Wehr. We welcome information on species not yet listed. Calder Misc. Publ. No. 1. - September 1995.

Louis Calder Center Biological Field Station



FORDHAM UNIVERSITY