

# **APPENDIX G**

## **WILDLIFE SPECIES EXPECTED TO OCCUR IN THE INTERLAKE PLAIN AND MID BOREAL LOWLANDS ECO REGIONS**

# Mammals

Common Name	Scientific Name	Conservation Listing (SARA, MESEA, MCDC)		
		SARA	MESEA	MCDC
American beaver	<i>Castor canadensis</i>			S5
American deer mouse	<i>Peromyscus maniculatus</i>			S5
American marten	<i>Martes americana</i>			S5
American water shrew	<i>Sorex palustris</i>			S5
Arctic shrew	<i>Sorex arcticus</i>			S5
Big brown bat	<i>Eptesicus fuscus</i>			S4S5B
Black bear	<i>Ursus americanus</i>			S5
Coyote	<i>Canis latrans</i>			S5
Eastern heather vole	<i>Phenacomys ungava</i>			S5
Eastern fox squirrel	<i>Sciurus niger</i>			S3
Elk	<i>Cervus elaphus</i>			S4
Ermine (short-tailed weasel)	<i>Mustela erminea</i>			S5
Fisher	<i>Pekania pennanti</i>			S5
Grey wolf	<i>Canis lupus</i>			S5
Hoary bat	<i>Lasiurus cinereus</i>			S3B
House mouse	<i>Mus musculus</i>			SNA
Least chipmunk	<i>Eutamias minimus</i>			S5
Least weasel	<i>Mustela nivalis</i>			S3S4
Little brown Myotis	<i>Myotis lucifugus</i>	Endangered	Endangered	S2N, S5B
Long-tailed weasel	<i>Mustela frenata</i>			S3
Lynx	<i>Lynx canadensis</i>			S5
Masked shrew	<i>Sorex cinereus</i>			S5
Meadow jumping mouse	<i>Zapus hudsonius</i>			S5
Meadow vole	<i>Microtus pennsylvanicus</i>			S5
Mink	<i>Neovison vison</i>			S5
Moose	<i>Alces americanus</i>			S5
Muskrat	<i>Ondatra zibethicus</i>			S5
North American porcupine	<i>Erethizon dorsatum</i>			S5
Northern bog lemming	<i>Synaptomys borealis</i>			S5
Northern flying squirrel	<i>Glaucomys sabrinus</i>			S5
Northern Myotis	<i>Myotis septentrionalis</i>	Endangered	Endangered	S3S4N, S4B
Pygmy shrew	<i>Sorex hoyi</i>			S5

Common Name	Scientific Name	Conservation Listing (SARA, MESEA, MCDC)		
		SARA	MESEA	MCDC
Raccoon	<i>Procyon lotor</i>			S5
Red fox	<i>Vulpes vulpes</i>			S5
Red squirrel	<i>Tamiasciurus hudsonicus</i>			S5
River otter	<i>Lontra canadensis</i>			S5
Short-tailed shrew	<i>Blarina brevicauda</i>			S5
Silver-haired bat	<i>Lasionycteris noctivagans</i>			S3S4B
Snowshoe hare	<i>Lepus americanus</i>			S5
Star-nosed mole	<i>Condylura cristata</i>			S3
Striped skunk	<i>Mephitis mephitis</i>			S5
White-tailed deer	<i>Odocoileus virginianus</i>			S5
Woodchuck	<i>Marmota monax</i>			S5

Sources: Caras (1967); Reid (2006); MCDC (2018); and SARA (2018a)

MCDC (No Date) Definitions for Status Listing:

- 1** Very rare throughout its range or in the province (5 or fewer occurrences, or very few remaining individuals). May be especially vulnerable to extirpation.
- 2** Rare throughout its range or in the province (6 to 20 occurrences). May be vulnerable to extirpation.
- 3** Uncommon throughout its range or in the province (21 to 100 occurrences).
- 4** Widespread, abundant, and apparently secure throughout its range or in the province, with many occurrences, but the element is of long-term concern (>100 occurrences).
- 5** Demonstrably widespread, abundant, and secure throughout its range or in the province, and essentially impossible to eradicate under present conditions.
- U** Possibly in peril, but status uncertain; more information needed.
- H** Historically known; may be rediscovered.
- X** Believed to be extinct; historical records only, continue search.
- SNR** A species not ranked. A rank has not yet assigned or the species has not been evaluated.
- SNA** A conservation status rank is not applicable to the element.
- S#S#** Numeric range rank: A range between two of the numeric ranks. Denotes range of uncertainty about the exact rarity of the species.
- ?\*** Inexact or uncertain; for numeric ranks, denotes inexactness.

SARA (2018b) Definitions for Status Listing:

- Schedule 1:** is the official list of species that are classified as extirpated, endangered, threatened, and of special concern.
- Threatened:** a wildlife species that is likely to become endangered if nothing is done to reverse the factors leading to its extirpation or extinction.
- Special Concern:** a wildlife species that may become a threatened or an endangered species because of a combination of biological characteristics and identified threats.
- Endangered:** A wildlife species facing imminent extirpation or extinction.

# Amphibians and Reptiles

Common Name	Scientific Name	Conservation Status (SARA, MESEA, MCDC)		
		SARA	MESEA	MCDC
Blue-spotted salamander	<i>Ambystoma laterale</i>			S3S4
Eastern Tiger Salamander	<i>Ambystoma tigrinum</i>	Endangered		S3?
Canadian Toad	<i>Anaxyrus hemiophrys</i>			S4
Grey tree frog	<i>Hyla versicolor</i>			S4S5
Boreal chorus frog	<i>Pseudacris maculata</i>			S5
Wood frog	<i>Lithobates sylvaticus</i>			S5
Smooth Greensnake	<i>Opheodrys vernalis</i>			S3S4
Northern leopard frog	<i>Lithobates pipiens</i>	Special Concern		S4
Western plains garter snake	<i>Thamnophis radix haydenii</i>			S4
Red-sided garter snake	<i>Thamnophis sirtalis parietalis</i>			S4

Sources: Conant and Collins (1991); Science Team Report (2002); MCDC (2018); Nature North (2014); and SARA (2018a)

MCDC (No date) Definitions for Status Listing:

- 1** Very rare throughout its range or in the province (5 or fewer occurrences, or very few remaining individuals). May be especially vulnerable to extirpation.
- 2** Rare throughout its range or in the province (6 to 20 occurrences). May be vulnerable to extirpation.
- 3** Uncommon throughout its range or in the province (21 to 100 occurrences).
- 4** Widespread, abundant, and apparently secure throughout its range or in the province, with many occurrences, but the element is of long-term concern (>100 occurrences).
- 5** Demonstrably widespread, abundant, and secure throughout its range or in the province, and essentially impossible to eradicate under present conditions.
- U** Possibly in peril, but status uncertain; more information needed.
- H** Historically known; may be rediscovered.
- X** Believed to be extinct; historical records only, continue search.

**SNR** A species not ranked. A rank has not yet assigned or the species has not been evaluated.

**SNA** A conservation status rank is not applicable to the element.

**S#S#** Numeric range rank: A range between two of the numeric ranks. Denotes range of uncertainty about the exact rarity of the species.

**?\*** Inexact or uncertain; for numeric ranks, denotes inexactness.

SARA (2018b) Definitions for Status Listing:

**Schedule 1:** is the official list of species that are classified as extirpated, endangered, threatened, and of special concern.

**Threatened:** a wildlife species that is likely to become endangered if nothing is done to reverse the factors leading to its extirpation or extinction.

**Special Concern:** a wildlife species that may become a threatened or an endangered species because of a combination of biological characteristics and identified threats.

## Birds

Common Name	Scientific Name	Conservation Listing (SARA, MESEA, MCDC)		
		SARA	MESEA	MCDC
Alder flycatcher	<i>Empidonax alnorum</i>			S5B
American avocet	<i>Recurvirostra americana</i>			S4B
American bittern	<i>Botaurus lentiginosus</i>			S5B
American coot	<i>Fulica americana</i>			S5B
American crow	<i>Corvus brachyrhynchos</i>			S5B, SUN
American golden-plover	<i>Pluvialis dominica</i>			S4B, SUM
American goldfinch	<i>Spinus tristis</i>			S5B
American kestrel	<i>Falco sparverius</i>			S4B
American redstart	<i>Setophaga ruticilla</i>			S5B
American robin	<i>Turdus migratorius</i>			S5B
American three-toed woodpecker	<i>Picoides dorsalis</i>			S5
American tree sparrow	<i>Spizella arborea</i>			S5B, SUM
American white pelican	<i>Pelecanus erythrorhynchos</i>			S4B
American wigeon	<i>Anas americana</i>			S4B
American woodcock	<i>Scolopax minor</i>			S4B
Bald eagle	<i>Haliaeetus leucocephalus</i>			S5B, SUN
Baltimore oriole	<i>Icterus galbula</i>			S4B
Bank swallow	<i>Riparia riparia</i>	Threatened		S5B
Barn swallow	<i>Hirundo rustica</i>	Threatened		S4B
Barred owl	<i>Strix varia</i>			S4
Bay-breasted warbler	<i>Setophaga castanea</i>			S5B
Belted kingfisher	<i>Megasceryle alcyon</i>			S5B
Black tern	<i>Chlidonias niger</i>			S4B
Black-and-white warbler	<i>Mniotilta varia</i>			S5B
Black-billed cuckoo	<i>Coccyzus erythrophthalmus</i>			S5B
Black-billed magpie	<i>Pica hudsonia</i>			S4
Blackburnian warbler	<i>Setophaga fusca</i>			S5B
Black-capped chickadee	<i>Poecile atricapillus</i>			S5
Black-crowned night heron	<i>Nycticorax nycticorax</i>			S4B
Blackpoll warbler	<i>Setophaga striata</i>			S5B, SUM
Black-throated blue warbler	<i>Setophaga caerulescens</i>			SNA
Black-throated green warbler	<i>Setophaga virens</i>			S4B

Common Name	Scientific Name	Conservation Listing (SARA, MESEA, MDCD)		
		SARA	MESEA	MDCD
Blue jay	<i>Cyanocitta cristata</i>			S5
Blue-headed vireo	<i>Vireo solitarius</i>			S5B
Blue-winged teal	<i>Anas discors</i>			S4B
Bobolink	<i>Dolichonyx oryzivorus</i>	Threatened – Schedule 1		S4B
Bonaparte's gull	<i>Chroicocephalus philadelphia</i>			S5B
Boreal owl	<i>Aegolius funereus</i>			S4
Brewer's blackbird	<i>Euphagus cyanocephalus</i>			S5B
Broad-winged hawk	<i>Buteo platypterus</i>			S5B
Brown creeper	<i>Certhia americana</i>			S5B
Brown thrasher	<i>Toxostoma rufum</i>			S4B
Brown-headed cowbird	<i>Molothrus ater</i>			S5B
Bufflehead	<i>Bucephala albeola</i>			S4B
Cackling goose	<i>Branta hutchinsii</i>			S2B
California gull	<i>Larus californicus</i>			S3B
Canada goose	<i>Branta canadensis</i>			S5B
Canada warbler	<i>Cardellina canadensis</i>	Threatened	Threatened	S3B
Canvasback	<i>Aythya valisineria</i>			S4B
Cape may warbler	<i>Setophaga tigrina</i>			S5B
Caspian tern	<i>Hydroprogne caspia</i>			S3B
Cedar waxwing	<i>Bombycilla cedrorum</i>			S5B, SUN
Chestnut-sided warbler	<i>Setophaga pensylvanica</i>			S5B
Chimney swift	<i>Chaetura pelagica</i>	Threatened	Threatened	S2B
Chipping sparrow	<i>Spizella passerina</i>			S5B
Clay-colored sparrow	<i>Spizella pallida</i>			S5B
Cliff swallow	<i>Petrochelidon pyrrhonota</i>			S4B
Common goldeneye	<i>Bucephala clangula</i>			S5B, SUN
Common grackle	<i>Quiscalus quiscula</i>			S5B
Common loon	<i>Gavia immer</i>			S5B
Common merganser	<i>Mergus merganser</i>			S5B
Common nighthawk	<i>Chordeiles minor</i>	Threatened	Threatened	S3B
Common raven	<i>Corvus corax</i>			S5
Common redpoll	<i>Acanthis flammea</i>			S4B, S5N
Common tern	<i>Sterna hirundo</i>			S5B
Common yellowthroat	<i>Geothlypis trichas</i>			S5B

Common Name	Scientific Name	Conservation Listing (SARA, MESEA, MCDC)		
		SARA	MESEA	MCDC
Connecticut warbler	<i>Oporornis agilis</i>			S4B
Cooper's hawk	<i>Accipiter cooperii</i>			S4B
Dark-eyed junco	<i>Junco hyemalis</i>			S5B, SUN
Double-crested cormorant	<i>Phalacrocorax auritus</i>			S5B
Downy woodpecker	<i>Picoides pubescens</i>			S5
Eared grebe	<i>Podiceps nigricollis</i>			S4B
Eastern bluebird	<i>Sialia sialis</i>			S4B
Eastern kingbird	<i>Tyrannus tyrannus</i>			S4B
Eastern phoebe	<i>Sayornis phoebe</i>			S5B
Eastern towhee	<i>Pipilo erythrophthalmus</i>			S4B
Eastern whip-poor-will	<i>Antrostomus vociferus</i>	Threatened		S3B
Eastern wood-pewee	<i>Contopus virens</i>	Special Concern		S4B
Eastern-screech owl	<i>Megascops asio</i>			S4
European starling	<i>Sturnus vulgaris</i>			SNA
Evening grosbeak	<i>Coccothraustes vespertinus</i>			S3
Forster's tern	<i>Sterna forsteri</i>			S4B
Fox sparrow	<i>Passerella iliaca</i>			S5B, S4M
Franklin's gull	<i>Leucophaeus pipixcan</i>			S4B
Gadwell	<i>Anas strepera</i>			S5B
Golden-winged Warbler	<i>Vermivora chrysoptera</i>	Threatened	Threatened	S3B
Grasshopper Sparrow	<i>Ammodramus savannarum</i>			S3B
Gray jay	<i>Perisoreus canadensis</i>			S5
Gray partridge	<i>Perdix perdix</i>			SNA
Great blue heron	<i>Ardea herodias</i>			S5B
Great crested flycatcher	<i>Myiarchus crinitus</i>			S4B
Great Egret	<i>Ardea alba</i>			S2S3B
Great grey owl	<i>Strix nebulosa</i>			S4
Great horned owl	<i>Bubo virginianus</i>			S4
Greater Scaup	<i>Aythya marila</i>			S5B, SUM
Greater White-fronted Goose	<i>Anser albifrons</i>			SUM
Greater yellowlegs	<i>Tringa melanoleuca</i>			S5B, SUM
Green winged teal	<i>Anas crecca</i>			S4B
Grey catbird	<i>Dumetella carolinensis</i>			S5B
Hairy woodpecker	<i>Picoides villosus</i>			S5

Common Name	Scientific Name	Conservation Listing (SARA, MESEA, MCDC)		
		SARA	MESEA	MCDC
Harris' sparrow	<i>Zonotrichia querula</i>			S4B, S5M
Hermit thrush	<i>Catharus guttatus</i>			S5B
Herring gull	<i>Larus argentatus</i>			S4B
Hooded merganser	<i>Lophodytes cucullatus</i>			S5B
Horned grebe	<i>Podiceps auritus</i>	Special concern		S4B
Horned lark	<i>Eremophila alpestris</i>			S3B, SUM
House finch	<i>Haemorhous mexicanus</i>			S5B
House sparrow	<i>Passer domesticus</i>			SNA
Indigo bunting	<i>Passerina cyanea</i>			S4B
Killdeer	<i>Charadrius vociferus</i>			S5B
Lapland longspur	<i>Calcarius lapponicus</i>			S4B, SUM, SUN
Lark sparrow	<i>Chondestes grammacus</i>			S4B
Le Conte's sparrow	<i>Ammospiza leconteii</i>			S5B
Least bittern	<i>Ixobrychus exilis</i>	Threatened	Endangered	S2B
Least flycatcher	<i>Empidonax minimus</i>			S5B
Least sandpiper	<i>Calidris minutilla</i>			S4B, SUM
Lesser Scaup	<i>Aythya affinis</i>			S5B
Lesser yellowlegs	<i>Tringa flavipes</i>			S4B, SUM
Lincoln's sparrow	<i>Melospiza lincolni</i>			S5B
Loggerhead shrike	<i>Lanius ludovicianus excubitorides</i>	Threatened	Endangered	S1B
Long-eared owl	<i>Asio otus</i>			S4B
Magnolia warbler	<i>Setophaga magnolia</i>			S5B
Mallard	<i>Anas platyrhynchos</i>			S5B
Marbled godwit	<i>Limosa fedoa</i>			S4B
Merlin	<i>Falco columbarius</i>			S5B, SUN
Mountain bluebird	<i>Sialia currucoides</i>			S2S3B
Mourning dove	<i>Zenaida macroura</i>			S4B
Mourning warbler	<i>Geothlypis philadelphia</i>			S5B
Nelson's sparrow	<i>Ammodramus nelsoni</i>			S5B
Northern flicker	<i>Colaptes auratus</i>			S5B
Northern goshawk	<i>Accipiter gentilis</i>			S4B, S5N
Northern harrier	<i>Circus hudsonius</i>			S5B
Northern hawk owl	<i>Surnia ulula</i>			S4



Common Name	Scientific Name	Conservation Listing (SARA, MESEA, MDCD)		
		SARA	MESEA	MDCD
Northern parula	<i>Setophaga americana</i>			S4B
Northern pintail	<i>Anas acuta</i>			S5B
Northern rough-winged swallow	<i>Stelgidopteryx serripennis</i>			S4B
Northern saw-whet owl	<i>Aegolius acadicus</i>			S4B
Northern shoveler	<i>Anas clypeata</i>			S5B
Northern Waterthrush	<i>Parkesia noveboracensis</i>			S5B
Olive-sided flycatcher	<i>Contopus cooperi</i>	Threatened	Threatened	S3B
Orange-crowned warbler	<i>Oreothlypis celata</i>			S5B
Orchard oriole	<i>Icterus spurius</i>			S5B
Osprey	<i>Pandion haliaetus</i>			S4B
Ovenbird	<i>Seiurus aurocapilla</i>			S5B
Palm warbler	<i>Setophaga palmarum</i>			S5B
Pectoral Sandpiper	<i>Calidris melanotos</i>			S4M
Peregrine falcon	<i>Falco peregrinus anatum</i>	Special Concern	Endangered	S1B
Philadelphia vireo	<i>Vireo philadelphicus</i>			S4B
Pied-billed grebe	<i>Podilymbus podiceps</i>			S5B
Pileated woodpecker	<i>Dryocopus pileatus</i>			S5
Pine grosbeak	<i>Pinicola enucleator</i>			S4
Pine siskin	<i>Spinus pinus</i>			S5
Pine warbler	<i>Setophaga pinus</i>			S3B
Piping plover	<i>Charadrius melodus</i>	Endangered	Endangered	S1B
Purple finch	<i>Haemorhous purpureus</i>			S5B
Purple martin	<i>Progne subis</i>			S4B
Red crossbill	<i>Loxia curvirostra</i>			S4B, SUN
Red-breasted merganser	<i>Mergus serrator</i>			S4B
Red-breasted nuthatch	<i>Sitta canadensis</i>			S5
Red-eyed vireo	<i>Vireo olivaceus</i>			S5B
Redhead	<i>Aythya americana</i>			S4B
Red-headed woodpecker	<i>Melanerpes erythrocephalus</i>	Endangered	Threatened	S3B
Red-necked grebe	<i>Podiceps grisegena</i>			S5B
Red-tailed hawk	<i>Buteo jamaicensis</i>			S5B
Red-winged blackbird	<i>Agelaius phoeniceus</i>			S5B
Ring-billed gull	<i>Larus delawarensis</i>			S5B
Ring-necked duck	<i>Aythya collaris</i>			S5B

Common Name	Scientific Name	Conservation Listing (SARA, MESEA, MDCD)		
		SARA	MESEA	MDCD
Rock pigeon	<i>Columba livia</i>			SNA
Rose-breasted grosbeak	<i>Pheucticus ludovicianus</i>			S5B
Rough-legged hawk	<i>Buteo lagopus</i>			S3B, SUM
Ruby-crowned Kinglet	<i>Regulus calendula</i>			S5B
Ruby-throated hummingbird	<i>Archilochus colubris</i>			S5B
Ruddy duck	<i>Oxyura jamaicensis</i>			S5B
Ruffed grouse	<i>Bonasa umbellus</i>			S4S5
Rusty blackbird	<i>Euphagus carolinus</i>	Special Concern		S4B
Sanderling	<i>Calidris alba</i>			SUM
Sandhill crane	<i>Grus canadensis</i>			S5B
Savannah sparrow	<i>Passerculus sandwichensis</i>			S5B
Scarlet tanager	<i>Piranga olivacea</i>			S4B
Sedge wren	<i>Cistothorus platensis</i>			S5B
Semi-palmated Sandpiper	<i>Calidris pusilla</i>			S3B, SUM
Sharp-skinned hawk	<i>Accipiter striatus</i>			S4B
Sharp-tailed grouse	<i>Tympanuchus phasianellus</i>			S5
Short-billed Dowitcher	<i>Limnodromus griseus</i>			S4B
Short-eared owl	<i>Asio flammeus</i>	Special Concern	Threatened	S2S3B
Snow bunting	<i>Plectrophenax nivalis</i>			S4N, SUM
Snow goose	<i>Chen caerulescens</i>			S5B, S5M
Solitary sandpiper	<i>Tringa solitaria</i>			S4B, SUM
Song sparrow	<i>Melospiza melodia</i>			S5B
Sora	<i>Porzana carolina</i>			S5B
Spotted sandpiper	<i>Actitis macularius</i>			S5B
Sprague's pipit	<i>Anthus spragueii</i>	Threatened	Threatened	S2B
Spruce grouse	<i>Falcipennis canadensis</i>			S4
Swainson's hawk	<i>Buteo swainsoni</i>			S4B
Swainson's thrush	<i>Catharus ustulatus</i>			S5B
Swamp sparrow	<i>Melospiza georgiana</i>			S5B
Tennessee warbler	<i>Oreothlypis peregrina</i>			S5B
Tree swallow	<i>Tachycineta bicolor</i>			S4B
Trumpeter Swan	<i>Cygnus buccinator</i>		Endangered	S1B
Tundra swan	<i>Cygnus columbianus</i>			S4B, SUM
Turkey vulture	<i>Cathartes aura</i>			S4B

Common Name	Scientific Name	Conservation Listing (SARA, MESEA, MCDC)		
		SARA	MESEA	MCDC
Upland sandpiper	<i>Bartramia longicauda</i>			S4B
Veery	<i>Catharus fuscescens</i>			S5B
Vesper sparrow	<i>Pooecetes gramineus</i>			S5B
Virginia rail	<i>Rallus limicola</i>			S5B
Warbling vireo	<i>Vireo gilvus</i>			S5B
Western Grebe	<i>Aechmophorus occidentalis</i>	Special Concern		S4B
Western Kingbird	<i>Tyrannus verticalis</i>			S5B
Western Meadowlark	<i>Sturnella neglecta</i>			S3S4B
White-breasted Nuthatch	<i>Sitta carolinensis</i>			S5
White-crowned sparrow	<i>Zonotrichia leucophrys</i>			S5B
White-throated sparrow	<i>Zonotrichia albicollis</i>			S5B
White-winged crossbill	<i>Loxia leucoptera</i>			S5
Willet	<i>Tringa semipalmata</i>			S4B
Wilson's Phalarope	<i>Phalaropus tricolor</i>			S4B
Wilson's Snipe	<i>Gallinago delicata</i>			S5B
Wilson's Warbler	<i>Cardellina pusilla</i>			S5B, SUM
Winter Wren	<i>Troglodytes hiemalis</i>			S5B
Wood Duck	<i>Aix sponsa</i>			S5B
Yellow Rail	<i>Coturnicops noveboracensis</i>	Special Concern		S3B
Yellow warbler	<i>Setophaga petechia</i>			S5B
Yellow-bellied flycatcher	<i>Empidonax flaviventris</i>			S5B
Yellow-bellied Sapsucker	<i>Sphyrapicus varius</i>			S5B
Yellow-headed Blackbird	<i>Xanthocephalus xanthocephalus</i>			S4B
Yellow-rumped Warbler	<i>Setophaga coronata</i>			S5B
Yellow-throated Vireo	<i>Vireo flavifrons</i>			S4B

Sources: Bezener and De Smet (2000); Peterson and Peterson (2002); Manitoba Avian Research Committee (2003); MCDC (2018); SARA (2018); and MBBA (2015)

MCDC (No Date) Definitions for Status Listing:

- 1 Very rare throughout its range or in the province (5 or fewer occurrences, or very few remaining individuals). May be especially vulnerable to extirpation.
- 2 Rare throughout its range or in the province (6 to 20 occurrences). May be vulnerable to extirpation.
- 3 Uncommon throughout its range or in the province (21 to 100 occurrences).
- 4 Widespread, abundant, and apparently secure throughout its range or in the province, with many occurrences, but the element is of long-term concern (>100 occurrences).

**5** Demonstrably widespread, abundant, and secure throughout its range or in the province, and essentially impossible to eradicate under present conditions.

**U** Possibly in peril, but status uncertain; more information needed.

**H** Historically known; may be rediscovered.

**X** Believed to be extinct; historical records only, continue search.

**SNR** A species not ranked. A rank has not yet assigned or the species has not been evaluated.

**SNA** A conservation status rank is not applicable to the element.

**S#S#** Numeric range rank: A range between two of the numeric ranks. Denotes range of uncertainty about the exact rarity of the species.

**?\*** Inexact or uncertain; for numeric ranks, denotes inexactness.

**B** Breeding status of a migratory species. Example: S1B,SZN - breeding occurrences for the species are ranked S1 (critically imperilled) in the province, nonbreeding occurrences are not ranked in the province.

SARA (2015) Definitions for Status Listing:

**Schedule 1:** is the official list of species that are classified as extirpated, endangered, threatened, and of special concern.

**Schedule 2:** species listed in Schedule 2 are species that had been designated as endangered or threatened, and have yet to be re-assessed by COSEWIC using revised criteria. Once these species have been re-assessed, they may be considered for inclusion in Schedule 1.

**Schedule 3:** species listed in Schedule 3 are species that had been designated as special concern, and have yet to be re-assessed by COSEWIC using revised criteria. Once these species have been re-assessed, they may be considered for inclusion in Schedule 1.

**Special Concern:** a wildlife species that may become a threatened or an endangered species because of a combination of biological characteristics and identified threats.

**Threatened:** a wildlife species that is likely to become endangered if nothing is done to reverse the factors leading to its extirpation or extinction.