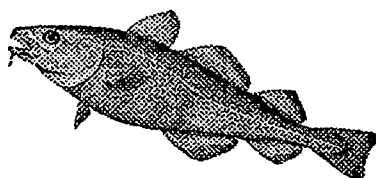
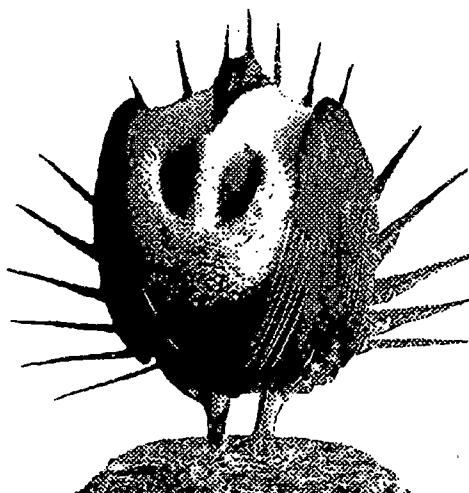
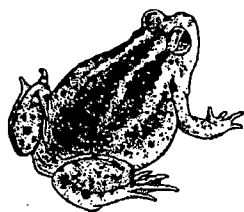
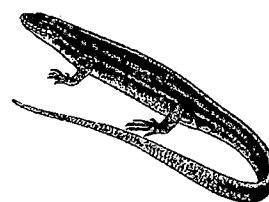
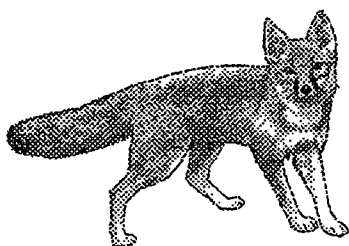


# CANADIAN SPECIES AT RISK

APRIL 1998



QH  
77  
C3  
C6613  
1998

Aussi disponible en français

COSEWIC  
COMMITTEE ON THE STATUS  
OF ENDANGERED WILDLIFE  
IN CANADA



CSEMDC  
COMITÉ SUR LE STATUT  
DES ESPÈCES MENACÉES  
DE DISPARITION AU CANADA

For additional copies contact:

COSEWIC Secretariat  
c/o Canadian Wildlife Service  
Environment Canada  
Ottawa, ON  
K1A 0H3

Tel: 819-997-4991/994-2407

Fax: 819-994-3684

E-mail: [sylvia.normand@ec.gc.ca](mailto:sylvia.normand@ec.gc.ca)

[shirley.sheppard@ec.gc.ca](mailto:shirley.sheppard@ec.gc.ca)

Web Site: <http://www.cosewic.gc.ca>

**Cover illustrations:**

- |                            |   |
|----------------------------|---|
| Sage Grouse                | - Adapted from photo by K. Hodges, Canadian Nature Federation                 |
| Swift Fox                  | - Alberta Environmental Protection  |
| Five-lined Skink           | - C. Douglas, Canadian Museum of Nature                                       |
| Hotwater Physa             | - T. Hoover, University of Northern British Columbia                          |
| Buffalograss               | - Manual of Grasses of the United States, USDA                                |
| Atlantic Cod               | - H.L. Todd, Northeast Fisheries Science Center, Woods Hole<br>Laboratory, MA |
| Great Basin Spadefoot Toad | - C. Douglas, Canadian Museum of Nature                                       |

Front Cover designed by E. Haber, National Botanical Services

This list can be cited as follows:

COSEWIC, 1998. List of Canadian Species at Risk, April 1998. Committee on the Status of Endangered Wildlife in Canada. 25 pp.

## COSEWIC LISTS

The first COSEWIC "Endangered Species List" was issued in 1978. Around 1990 a decision was made that all species considered by COSEWIC should be listed even if the species were "not at risk" or "indeterminate". Therefore, this document is divided into three separate lists under the title "Canadian Species at Risk":

List 1: Species Designated in the Five "Risk" Categories With Current Geographical Occurrence. (This is COSEWIC's "official" list of species at risk.)

List 2: Species Examined and Designated in the Not at Risk Category, With Geographical Occurrence and Date Examined.

List 3: Species Examined and Designated in the Indeterminate Category Because of Insufficient Scientific Information, With Geographical Occurrence and Date Examined.

Five summary tables provide the numbers of species by taxonomic category for the three lists (species at risk, species not at risk, and indeterminate species) as well as species that have been delisted and species which have had their status reexamined at least once.

A Record of Status Reexaminations can be found at the back of the document.

SUMMARY TABLES

COSEWIC LIST 1: SPECIES AT RISK (ALL RISK CATEGORIES) – APRIL 1998

CATEGORY (STATUS)	BIRDS	MAMMALS (TERR.)	MAMMALS (MARINE)	FISH	MOLLUSCA	LEPIDOPTERA	VASCULAR PLANTS	lichens	MOSES	AMPHIBIANS	REPTILES	TOTALS
EXTINCT	3	1	1	4	1	0	0	0	0	0	0	10
EXTIRPATED	2	2	2	2	0	1	2	0	0	0	1	12
ENDANGERED	17	6	6	4	1	1	32 <sup>1</sup>	1	0	2	3	73
THREATENED	6	5	4	15	1	0	36 <sup>2</sup>	0	1	0	4	72
VULNERABLE	21	18 <sup>3</sup>	7	41 <sup>4</sup>	0	1	35	3	0	7	7	140
TOTALS	49	32	20	66	3	3	105	4	1	9	15	307

COSEWIC LIST 2: SPECIES NOT AT RISK – APRIL 1998

CATEGORY (STATUS)	BIRDS	MAMMALS (TERR.)	MAMMALS (MARINE)	FISH	MOLLUSCA	LEPIDOPTERA	VASCULAR PLANTS	lichens	MOSES	AMPHIBIANS	REPTILES	TOTALS
TOTAL NAR	33	11	33	29	0	0	14	0	0	0	1	121

COSEWIC LIST 3: INDETERMINATE SPECIES – APRIL 1998

CATEGORY (STATUS)	BIRDS	MAMMALS (TERR.)	MAMMALS (MARINE)	FISH	MOLLUSCA	LEPIDOPTERA	VASCULAR PLANTS	lichens	MOSES	AMPHIBIANS	REPTILES	TOTALS
TOTAL INDETERMINATE	3	3	2	6	1	0	4	0	0	0	0	19

<sup>1</sup> NINE PLANTS REEXAMINED IN 1998 WITH NO CHANGE IN DESIGNATION: EASTERN PRICKLY PEAR CACTUS, SOUTHERN MAIDENHAIR FERN, FURBISH'S LOUSEWORT, PINK MILKWORT, HOARY MOUNTAIN MINT, HEART-LEAVED PLANTAIN, LARGE WHORLED POGONIA, SMALL WHORLED POGONIA, SPOTTED WINTERGREEN

<sup>2</sup> TWO PLANTS REEXAMINED IN 1998 WITH NO CHANGE IN DESIGNATION: MOSQUITO FERN, SWEET PEPPERBUSH

<sup>3</sup> EASTERN MOLE REEXAMINED IN 1998 WITH NO CHANGE IN DESIGNATION

<sup>4</sup> LAKE LAMPREY REEXAMINED IN 1998 WITH NO CHANGE IN DESIGNATION

SUMMARY TABLES (CONTINUED)

COSEWIC: DELISTED SPECIES - APRIL 1998

CATEGORY (STATUS)	BIRDS	MAMMALS (TERR.)	MAMMALS (MARINE)	FISH	MOLLUSCA	LEPIDOPTERA	VASCULAR PLANTS	lichens	MOSSES	AMPHIBIANS	REPTILES	TOTALS
TOTAL SPECIES DELISTED	6	2 <sup>5</sup>	0	1 <sup>6</sup>	0	0	0	0	0	0	0	9

COSEWIC: SPECIES RE-EXAMINED -- APRIL 1998

CATEGORY (STATUS)	BIRDS	MAMMALS (TERR.)	MAMMALS (MARINE)	FISH	MOLLUSCA	LEPIDOPTERA	VASCULAR PLANTS	lichens	MOSSES	AMPHIBIANS	REPTILES	TOTALS
TOTAL SPECIES REEXAMINED	25	14	7	8	0	0	13	0	0	0	0	67

111

<sup>5</sup> PLAINS POCKET GOPHER DELISTED.

<sup>6</sup> CENTRAL STONEROLLER DELISTED.

### COSEWIC Mandate

COSEWIC determines the national status of wild species, subspecies, varieties and nationally significant populations that are considered to be at risk in Canada. Designations are made on all native species for the following groups: fish, amphibians, reptiles, birds, mammals, molluscs, lepidoptera, vascular plants, mosses and lichens.

Three primary lists are maintained: 1) species designated at risk; 2) species examined and designated not at risk; 3) species examined for which status is indeterminate because of insufficient scientific information. A record of status re-examinations is also maintained. Species examined more than once are identified, and those added in the current year are shown in bold type.

### COSEWIC Membership

COSEWIC is comprised of representatives from each provincial and territorial government wildlife agency, four federal agencies (Canadian Wildlife Service, Parks Canada, Fisheries and Oceans, Canadian Museum of Nature), three national conservation organizations (Canadian Nature Federation, Canadian Wildlife Federation, and World Wildlife Fund Canada) and the chairs of the scientific subcommittees. The Committee meets annually in April to consider status reports on candidate species.

### Definition of Terms and Risk Categories

<b>Species</b>	Any indigenous species, subspecies, variety or geographically defined population of wild fauna and flora.
<b>Extinct (X)</b>	A species that no longer exists.
<b>Extirpated (XT)</b>	A species no longer existing in the wild in Canada, but occurring elsewhere.
<b>Endangered (E)</b>	A species facing imminent extirpation or extinction.
<b>Threatened (T)</b>	A species likely to become endangered if limiting factors are not reversed.
<b>Vulnerable (V)</b>	A species of special concern because of characteristics that make it particularly sensitive to human activities or natural events.
<b>Not at Risk (NAR)</b>	A species that has been evaluated and found to be not at risk.
<b>Indeterminate (I)</b>	A species for which there is insufficient scientific information to support status designation.

### Symbols and Abbreviations

+	Species transferred from the "rare" to vulnerable category when the former was replaced by COSEWIC in 1990.
++	Status determination in 1985 based on historic records only. Report prepared and given approval by COSEWIC in 1994.
↑	Species re-examined and moved to a higher risk category.
↓	Species re-examined and moved to a lower risk category.
↔	Species re-examined and not moved to another category.
◆	Changed from previous listing.

### Geographical Location

AB Alberta	NT Northwest Territories
BC British Columbia	ON Ontario
MB Manitoba	PE Prince Edward Island
NB New Brunswick	QC Quebec
NF Newfoundland	SK Saskatchewan
NS Nova Scotia	YT Yukon Territory

# LIST 1. SPECIES DESIGNATED IN THE FIVE "RISK" CATEGORIES WITH CURRENT GEOGRAPHICAL OCCURRENCE<sup>1 2</sup>

## EXTINCT CATEGORY

### MAMMALS

Caribou, Woodland ( <i>Rangifer tarandus dawsoni</i> ) <sup>3</sup>	(Queen Charlotte Islands population) BC	1984
Mink, Sea ( <i>Mustela macrodon</i> ) <sup>4</sup>	NB, NF	1986

### BIRDS

++ Auk, Great ( <i>Pinguinus impennis</i> ) <sup>5</sup>	NB, NF, NS, QC	1985
++ Duck, Labrador ( <i>Camptorhynchus labradorius</i> ) <sup>6</sup>	NB, NF, NS, QC	1985
++ Pigeon, Passenger ( <i>Ectopistes migratorius</i> ) <sup>7</sup>	MB, NB, NS, ON, PE, QC, SK	1985

### AMPHIBIANS

---

### REPTILES

---

### FISH

Cisco, Deepwater ( <i>Coregonus johannae</i> ) <sup>8</sup>	ON	1988
Cisco, Longjaw ( <i>Coregonus alpenae</i> ) <sup>9</sup>	ON	1985
Dace, Banff Longnose ( <i>Rhinichthys cataractae smithi</i> ) <sup>10</sup>	AB	1987
Walleye, Blue ( <i>Stizostedion vitreum glaucum</i> ) <sup>11</sup>	ON	1985

1 Former distribution for extinct species are shown on pages 1 and 2.

2 Canadian breeding and wintering distribution is indicated for birds.

3 Extinct by the 1920's.

4 Extinct since 1894.

5 Extinct since 1844.

6 Became extinct in about 1875.

7 Extinct since 1914.

8 Extinct since 1952.

9 Extinct since 1975.

10 Extinct since 1986.

11 Extinct since 1965.

# LIST 1. (CONTINUED)

## EXTINCT CATEGORY (CONTINUED)

### MOLLUSCA

Limpet, Eelgrass (*Lottia alveus*)<sup>12</sup>

NF, NS, QC

1996

### LEPIDOPTERA

--

### PLANTS

---

### LICHENS

--

### MOSSES

--

## EXTIRPATED CATEGORY

### MAMMALS

↑ Bear, Grizzly (*Ursus arctos*)<sup>13</sup>

(Prairie population) AB, MB, SK

1991

Ferret, Black-footed (*Mustela nigripes*)<sup>14</sup>

AB, MB, SK

1978

Walrus, Atlantic (*Odobenus rosmarus rosmarus*)<sup>15</sup>

(Northwest Atlantic population)

1987

Whale, Gray (*Eschrichtius robustus*)<sup>16</sup>

(Atlantic population)

1987

### BIRDS

Grouse, Sage (*Centrocercus urophasianus phasio*)<sup>17</sup>

(British Columbia population) BC

1997

↑ Prairie-Chicken, Greater<sup>18</sup>

AB, MB, ON, SK

1990

(*Tympanuchus cupido*)

### AMPHIBIANS

---

### REPTILES

Lizard, Pygmy Short-horned<sup>19</sup>

(BC population) BC

1992

(*Phrynosoma douglassii douglassii*)

12 Extinct since 1929.

13 Extirpated from Prairies in 1880's.

14 Considered extirpated by Banfield 1974.

15 About 1850.

16 Prior to 1800.

17 Has not been reported since 1960's.

18 Last reported in Saskatchewan in 1987.

19 Last reported in 1898 near Osoyoos, BC.



## LIST 1. (CONTINUED)

## EXTIRPATED CATEGORY (CONTINUED)

## FISH

↑ Chub, Gravel ( <i>Erimystax x-punctatus</i> ) <sup>20</sup>	ON	1987
Paddlefish ( <i>Polyodon spathula</i> ) <sup>21</sup>	ON	1987

## MOLLUSCA

---

## LEPIDOPTERA

Butterfly, Karner Blue <sup>22</sup> ( <i>Lycacides melissa samuelis</i> )	ON	1997
---	----	------

## PLANTS

Blue-eyed Mary ( <i>Collinsia verna</i> ) <sup>23</sup>	ON	1987
Trefoil, Illinois Tick <sup>24</sup> ( <i>Desmodium illinoense</i> )	ON	1991

## LICHENS

---

## MOSSES

---

## ENDANGERED CATEGORY

## MAMMALS

↑ Caribou, Peary ( <i>Rangifer tarandus pearyi</i> )	(Banks Island population) NT	1991
↑ Caribou, Peary ( " " " )	(High Arctic population) NT	1991
↔ Marmot, Vancouver Island ( <i>Marmota vancouverensis</i> )	BC	1997
↑ Marten ( <i>Martes americana atrata</i> )	(Newfoundland population) NF	1996
Whale, Bowhead ( <i>Balaena mysticetus</i> )	(Eastern Arctic population)	1980
↔ Whale, Bowhead ( " " )	(Western Arctic population)	1986
↔ Whale, Right ( <i>Eubalaena glacialis</i> )	(Atlantic and Pacific Oceans)	1990
↔ Whale, White (Beluga) ( <i>Delphinapterus leucas</i> )	(St. Lawrence River population) QC	1997
Whale, White (Beluga) ( " " )	(Ungava Bay population) NT	1988
Whale, White (Beluga) ( " " )	(Southeast Baffin Island - Cumberland Sound population) NT	1990
↑ Wolverine ( <i>Gulo gulo</i> )	(Eastern population) QC, NF (Labrador)	1989
↓ Fox, Swift ( <i>Vulpes velox</i> )	AB, SK	1998

<sup>20</sup> Last recorded in 1958 in Thames River drainage, southern Ontario.

<sup>21</sup> Disappeared in approximately 1917.

<sup>22</sup> No sightings since 1991.

<sup>23</sup> No sight records since 1954.

<sup>24</sup> No sight records since 1888.

## LIST 1. (CONTINUED)

## ENDANGERED CATEGORY (CONTINUED)

## BIRDS

	Crane, Whooping ( <i>Grus americana</i> )	NT	1978
	Curlew, Eskimo ( <i>Numenius borealis</i> )	NT	1978
↑	Grouse, Sage ( <i>Centrocercus urophasianus urophasianus</i> )	(Prairie Population) AB, SK	1998
	Bobwhite, Northern ( <i>Collinus virginianus</i> )	ON	1994
	Duck, Harlequin ( <i>Histrionicus histrionicus</i> )	(Eastern population) NB, NF, NS, QC	1990
	Falcon, Anatum Peregrine ( <i>Falco peregrinus anatum</i> )	AB, BC, MB, NB, NF, NS, NT, ON, QC, SK, YT	1978
	Flycatcher, Acadian ( <i>Empidonax virescens</i> )	ON	1994
↑	Owl, Burrowing ( <i>Speotyto cunicularia</i> )	AB, BC, MB, SK	1995
	Owl, Spotted ( <i>Strix occidentalis</i> )	BC	1986
	Plover, Mountain ( <i>Charadrius montanus</i> )	AB, SK	1987
↑	Plover, Piping ( <i>Charadrius melodus</i> )	AB, MB, NB, NF, NS, ON, PE, QC, SK	1985
↑	Rail, King ( <i>Rallus elegans</i> )	ON	1994
↑	Shrike, Loggerhead ( <i>Lanius ludovicianus migrans</i> )	(Eastern population) MB, ON, QC	1991
↑	Sparrow, Henslow's ( <i>Ammodramus henslowii</i> )	ON	1993
	Thrasher, Sage ( <i>Oreoscoptes montanus</i> )	AB, BC, SK	1992
	Warbler, Kirtland's ( <i>Dendroica kirtlandii</i> )	ON, QC	1979
↑	Warbler, Prothonotary ( <i>Protonotaria citrea</i> )	ON	1996

## AMPHIBIANS

	Frog, Northern Cricket <sup>25</sup> ( <i>Acris crepitans</i> )	ON	1990
	Frog, Northern Leopard ( <i>Rana pipiens</i> )	(Southern Mountain Populations) BC	1998

## REPTILES

	Snake, Blue Racer, ( <i>Coluber constrictor foxii</i> )	ON	1991
	Snake, Lake Erie Water ( <i>Nerodia sipedon insularum</i> )	ON	1991
	Turtle, Leatherback ( <i>Dermochelys coriacea</i> )	(Atlantic and Pacific Oceans)	1981

## FISH

	Dace, Nooksack ( <i>Rhinichthys</i> sp.)	BC	1996
	Sucker, Salish ( <i>Catostomus</i> sp.)	BC	1986
	Trout, Aurora ( <i>Salvelinus fontinalis timagamiensis</i> )	ON	1987
	Whitefish, Atlantic <sup>26</sup> ( <i>Coregonus huntsmani</i> )	NS	1984

## MOLLUSCA

	Physa, Hotwater ( <i>Physella wrighti</i> )	BC	1998
--	---	----	------

## LEPIDOPTERA

	Butterfly, Maritime Ringlet ( <i>Coenonympha tullia nipisiqui</i> )	NB, QC	1997
--	--	--------	------

<sup>25</sup> Formerly listed as Blanchard's Cricket Frog (*Acris crepitans blanchardi*)

<sup>26</sup> Formerly listed as Acadian Whitefish (*Coregonus huntsmani*)

## LIST 1. (CONTINUED)

## ENDANGERED CATEGORY (CONTINUED)

## PLANTS

	Agalinis, Gattinger's ( <i>Agalinis gattingeri</i> )	ON	1988
	Agalinis, Skinner's ( <i>Agalinis skinneriana</i> )	ON	1988
	Avens, Eastern Mountain ( <i>Geum peckii</i> )	NS	1986
↑	Bluehearts ( <i>Buchnera americana</i> )	ON	1998
	Balsamroot, Deltoid ( <i>Balsamorhiza deltoidea</i> )	BC	1996
	Braya, Long's ( <i>Braya longii</i> )	NF	1997
	Buttercup, Water-plantain ( <i>Ranunculus alismaefolius</i> var. <i>alismaefolius</i> )	BC	1996
↔	Cactus, Eastern Prickly Pear ( <i>Opuntia humifusa</i> )	ON	1998
	Clover, Bearded Owl ( <i>Triphysaria versicolor</i> ssp. <i>versicolor</i> )	BC	1998
	Clover, Slender Bush ( <i>Lespedeza virginica</i> )	ON	1986
	Coreopsis, Pink ( <i>Coreopsis rosea</i> )	NS	1984
	Cryptanthe, Tiny ( <i>Cryptantha minima</i> )	AB,SK	1998
↔	Fern, Southern Maidenhair ( <i>Adiantum capillus-veneris</i> )	BC	1998
	Gentian, White Prairie ( <i>Gentiana alba</i> )	ON	1991
	Lady's-slipper, Small White ( <i>Cypripedium candidum</i> )	ON, MB	1981
	Lotus, Seaside Birds-foot ( <i>Lotus formosissimus</i> )	BC	1996
↔	Lousewort, Furbish's ( <i>Pedicularis furbishiae</i> )	NB	1998
	Lupine, Prairie ( <i>Lupinus lepidus</i> var. <i>lepidus</i> )	BC	1996
↔	Milkwort, Pink ( <i>Polygala incarnata</i> )	ON	1998
↔	Mint, Hoary Mountain ( <i>Pycnanthemum incanum</i> )	ON	1998
	Mouse-ear-cress, Slender ( <i>Halimolobos virgata</i> )	AB, SK	1992
	Orchid, Western Prairie White Fringed ( <i>Platanthera praeclara</i> )	MB	1993
↔	Plantain, Heart-leaved ( <i>Plantago cordata</i> )	ON	1998
↔	Pogonia, Large Whorled ( <i>Isotria verticillata</i> )	ON	1998
↔	Pogonia, Small Whorled ( <i>Isotria medeoloides</i> )	ON	1998
	Poppy, Wood ( <i>Stylophorum diphyllum</i> )	ON	1993
	Quillwort, Engelmann's ( <i>Isoetes engelmannii</i> )	ON	1992
	Sundew, Thread-leaved ( <i>Drosera filiformis</i> )	NS	1991
	Tree, Cucumber ( <i>Magnolia acuminata</i> )	ON	1984
	Trillium, Drooping ( <i>Trillium flexipes</i> )	ON	1996
	Water-pennywort ( <i>Hydrocotyle umbellata</i> )	NS	1985
↔	Wintergreen, Spotted ( <i>Chimaphila maculata</i> )	ON	1998

## LICHENS

	Seaside Centipede ( <i>Heterodermia stüchensis</i> )	BC	1996
--	---	----	------

## MOSESSES

---

## LIST 1. (CONTINUED)

## THREATENED CATEGORY

## MAMMALS

↓	Bison, Wood ( <i>Bison bison athabasca</i> )	AB, BC, NT, YT	1988
↔	Caribou, Peary ( <i>Rangifer tarandus pearyi</i> )	(Low Arctic population) NT	1991
	Caribou, Woodland ( <i>Rangifer tarandus caribou</i> )	(Gaspé population) QC	1984
	Mole, Townsend's ( <i>Scapanus townsendii</i> )	BC	1996
↓	Otter, Sea ( <i>Enhydra lutris</i> )	(Pacific Coast) BC	1996
↔	Porpoise, Harbour ( <i>Phocoena phocoena</i> )	(Northwest Atlantic population)	1991
	Shrew, Pacific Water ( <i>Sorex bendirii</i> )	BC	1994
↔	Whale, Humpback ( <i>Megaptera novaeangliae</i> )	(North Pacific population)	1985
	Whale, White (Beluga) ( <i>Delphinapterus leucas</i> )	(Eastern Hudson Bay population)	1988

## BIRDS

	Chat, Yellow-breasted ( <i>Icteria virens auricollis</i> )	(British Columbia population) BC	1994
	Murrelet, Marbled ( <i>Brachyramphus marmoratus</i> )	BC	1990
	Shrike, Loggerhead ( <i>Lanius ludovicianus excubitorides</i> )	(Prairie population) AB, MB, SK	1986
	Tern, Roseate ( <i>Sterna dougallii</i> )	NS, QC	1986
	Warbler, Hooded ( <i>Wilsonia citrina</i> )	ON	1994
	Woodpecker, White-headed ( <i>Picoides albolarvatus</i> )	BC	1992

## AMPHIBIANS

--

## REPTILES

	Rattlesnake, Eastern Massasauga ( <i>Sistrurus catenatus catenatus</i> )	ON	1991
	Snake, Black Rat ( <i>Elaphe obsoleta obsoleta</i> )	ON	1998
	Turtle, Blanding's ( <i>Emydoidea blandingi</i> )	(Nova Scotia population) NS	1993
	Turtle, Spiny Softshell ( <i>Apalone spinifera</i> )	ON, QC	1991

## FISH

	Cisco, Blackfin ( <i>Coregonus nigripinnis</i> )	ON	1988
	Cisco, Shortjaw ( <i>Coregonus zenithicus</i> )	AB, MB, NT, ON, SK	1987
	Cisco, Shortnose ( <i>Coregonus reighardi</i> )	ON	1987
	Darter, Channel ( <i>Percina copelandi</i> )	ON, QC	1993
	Darter, Eastern Sand ( <i>Ammocrypta pellucida</i> )	ON, QC	1994
	Madtom, Margined ( <i>Noturus insignis</i> )	ON, QC	1989
	Redhorse, Black ( <i>Moxostoma duquesnei</i> )	ON	1988
	Redhorse, Copper ( <i>Moxostoma hubbsi</i> )	QC	1987
	Sculpin, Deepwater ( <i>Myoxocephalus thompsoni</i> )	ON (Great Lakes population)	1987
	Sculpin, Shorthead ( <i>Cottus confusus</i> )	BC	1984
	Smelt, Lake Utopia Dwarf ( <i>Osmerus</i> sp.)	NB	1998
	Stickleback, Benthic Texada Island ( <i>Gasterosteus</i> sp.)	BC	1998
	Stickleback, Limnetic Texada Island ( <i>Gasterosteus</i> sp.)	BC	1998

## LIST 1. (CONTINUED)

## THREATENED CATEGORY (CONTINUED)

## FISH (CONTINUED)

Stickleback, Enos Lake ( <i>Gasterosteus</i> sp.)	BC	1988
Whitefish, Lake Simcoe ( <i>Coregonus clupeaformis</i> )	ON	1987

## MOLLUSCA

Snail, Banff Springs ( <i>Physella johnsoni</i> )	AB	1997
---	----	------

## LEPIDOPTERA

---

## PLANTS

Ash, Blue ( <i>Fraxinus quadrangulata</i> )	ON	1983
Aster, Anticosti ( <i>Aster antcostensis</i> )	NB, QC	1990
Aster, White-top ( <i>Aster curtus</i> )	BC	1996
Aster, White Wood ( <i>Aster divaricatus</i> )	ON, QC	1995
Braya, Fernald's ( <i>Braya fernaldii</i> )	NF	1997
Chestnut, American ( <i>Castanea dentata</i> )	ON	1987
Colicroot ( <i>Aletris farinosa</i> )	ON	1988
Deerberry ( <i>Vaccinium stamineum</i> )	ON	1994
↔ Fern, Mosquito ( <i>Azolla mexicana</i> )	BC	1998
Flag, Western Blue ( <i>Iris missouriensis</i> )	AB, BC	1990
Gentian, Plymouth ( <i>Sabatia kennedyana</i> )	NS	1984
Ginseng, American ( <i>Panax quinquefolium</i> )	ON, QC	1988
Goat's-rue ( <i>Tephrosia virginiana</i> )	ON	1996
Golden Crest ( <i>Lophiola aurea</i> )	NS	1987
Golden Seal ( <i>Hydrastis canadensis</i> )	ON	1991
Greenbrier, Round-leaved ( <i>Smilax rotundifolia</i> )	(Ontario population) ON	1994
Jacob's Ladder, van Brunt's ( <i>Polemonium van-bruntiae</i> )	QC	1994
Lipocarpa, Small-flowered ( <i>Lipocarpa micrantha</i> )	BC, ON	1992
Mulberry, Red ( <i>Morus rubra</i> )	ON	1987
Paintbrush, Golden ( <i>Castilleja levisecta</i> )	BC	1995
↔ Pepperbush, Sweet ( <i>Clethra alnifolia</i> )	NS	1998
Pogonia, Nodding ( <i>Triphora trianthophora</i> )	ON	1988
Prairie-clover, Hairy ( <i>Dalea villosa</i> var. <i>villosa</i> )	MB, SK	1998
Redroot ( <i>Lachnanthes caroliana</i> )	NS	1994
Sedge, False Hop ( <i>Carex lupuliformis</i> )	ON, QC	1997
Spiderwort, Western ( <i>Tradescantia occidentalis</i> )	AB, MB, SK	1992
Thistle, Pitcher's ( <i>Cirsium pitcheri</i> )	ON	1988
Thrift, Athabasca ( <i>Armeria maritima</i> ssp. <i>interior</i> )	SK	1981
Tree, Kentucky Coffee ( <i>Gymnocladus dioica</i> )	ON	1983
Twayblade, Purple ( <i>Liparis liliifolia</i> )	ON	1989
Verbena, Sand ( <i>Abronia micrantha</i> )	AB, SK	1992
Violet, Bird's-foot ( <i>Viola pedata</i> )	ON	1990
Violet, Yellow Montane ( <i>Viola praemorsa</i> ssp. <i>praemorsa</i> )	BC	1995
Water-willow, American ( <i>Justicia americana</i> )	ON, QC	1984

## LIST 1. (CONTINUED)

## THREATENED CATEGORY (CONTINUED)

## PLANTS (CONTINUED)

Willow, Tyrrell's ( <i>Salix planifolia</i> ssp. <i>tyrrellii</i> )	SK	1981
Woodsia, Blunt-lobed ( <i>Woodsia obtusa</i> )	ON, QC	1994

## LICHENS

---

## MOSSES

Moss, Apple ( <i>Bartramia stricta</i> )	BC	1997
--	----	------

## VULNERABLE CATEGORY

## MAMMALS

+ Bat, Fringed Myotis ( <i>Myotis thysanodes</i> )	BC	1988
+ Bat, Keen's Long-eared ( <i>Myotis keenii</i> )	BC	1988
+ Bat, Pallid ( <i>Antrozous pallidus</i> )	BC	1988
+ Bat, Spotted ( <i>Eudermia maculatum</i> )	BC	1988
↑ Bear, Grizzly ( <i>Ursus arctos</i> )	AB, BC, NT, YT	1991
↑ Bear, Polar ( <i>Ursus maritimus</i> )	MB, NF, NT, ON, QC	1991
+ Caribou, Woodland ( <i>Rangifer tarandus caribou</i> )	(Western population) AB, BC, MB, NT, ON, SK	1984
Cottontail, Nuttall's ( <i>Sylvilagus nuttallii nuttallii</i> )	(British Columbia population) BC	1994
+ Ermine ( <i>Mustela erminea haidarum</i> )	(Queen Charlotte Islands population) BC	1984
+ Fox, Grey ( <i>Urocyon cinereoargenteus</i> )	AB, MB, ON, QC	1979
+ ↔ Mole, Eastern ( <i>Scalopus aquaticus</i> )	ON	1998
Mouse, Western Harvest ( <i>Reithrodontomys megalotis megalotis</i> )	(British Columbia population) BC	1994
+ ↔ Prairie Dog, Black-tailed ( <i>Cynomys ludovicianus</i> )	SK	1988
Rat, Ord's Kangaroo ( <i>Disodomys ordii</i> )	AB, SK	1995
Seal, Harbour ( <i>Phoca vitulina mellonae</i> )	(Lacs des loups marins population) <sup>27</sup> QC	1996
+ Shrew, Gaspé ( <i>Sorex gaspensis</i> )	NB, NS, QC	1988
+ Squirrel, Southern Flying ( <i>Glaucomys volans</i> )	NB, NS, ON, QC	1988
Vole, Woodland ( <i>Microtus pinetorum</i> )	ON, QC	1998
+ Whale, Blue ( <i>Balaenoptera musculus</i> )	(Atlantic and Pacific Oceans)	1983
+ Whale, Fin ( <i>Balaenoptera physalus</i> )	(Atlantic and Pacific Oceans))	1987
+ ↓ Whale, Humpback ( <i>Megaptera novaeangliae</i> )	(Western North Atlantic population)	1985
Whale, Northern Bottlenose ( <i>Hyperoodon ampullatus</i> )	(Atlantic Ocean) [Gully population]	1996
+ Whale, Sowerby's Beaked <sup>28</sup> ( <i>Mesoplodon bidens</i> )	(Atlantic Ocean)	1989
Whale, White (Beluga) ( <i>Delphinapterus leucas</i> )	(Eastern High Arctic/Baffin Bay population)	1992
+ ↔ Wolverine ( <i>Gulo gulo</i> )	(Western population) AB, BC, MB, NT, ON, SK, YT	1989

<sup>27</sup> Landlocked population.

<sup>28</sup> Also known as North Sea Beaked Whale.

## LIST 1. (CONTINUED)

## VULNERABLE CATEGORY (CONTINUED)

## BIRDS

+	Bittern, Least ( <i>Ixobrychus exilis</i> )	MB, NB, ON, QC	1988
	Chat, Yellow-breasted ( <i>Icteria virens virens</i> )	(Eastern population) ON	1994
	Curlew, Long-billed ( <i>Numenius americanus</i> )	AB, BC, SK	1992
+	Falcon, Peale's Peregrine, ( <i>Falco peregrinus pealei</i> )	BC	1978
↓	Falcon, Tundra Peregrine, ( <i>Falco peregrinus tundrius</i> )	NF, NT, QC, YT	1992
	Goshawk, Queen Charlotte ( <i>Accipiter gentilis laingi</i> )	BC	1995
+ ↔	Gull, Ivory ( <i>Pagophila eburnea</i> )	BC, MB, NB, NF, NS, NT, ON, QC	1996
+ ↔	Gull, Ross' ( <i>Rhodostethia rosea</i> )	MB, NT	1996
↓	Hawk, Ferruginous ( <i>Buteo regalis</i> )	AB, MB, SK	1995
+ ↔	Hawk, Red-shouldered ( <i>Buteo lineatus</i> )	ON, QC	1996
	Heron, Pacific Great Blue ( <i>Ardea herodias fannini</i> )	BC	1997
	Murrelet, Ancient ( <i>Synthliboramphus antiquus</i> )	BC	1993
+	Owl, Barn ( <i>Tyto alba</i> )	BC, ON	1984
+	Owl, Flammulated ( <i>Otus flammeolus</i> )	BC	1988
	Owl, Short-eared ( <i>Asio flammeus</i> )	All provinces and territories	1994
+	Sparrow, "Ipswich" Savannah ( <i>Passerculus sandwichensis princeps</i> )	NS	1979
+	Tern, Caspian ( <i>Sterna caspia</i> )	AB, BC, MB, NF, NT, ON, QC, SK	1978
	Warbler, Cerulean ( <i>Dendroica cerulea</i> )	ON, QC	1993
+	Warbler, Prairie ( <i>Dendroica discolor</i> )	ON	1985
↔	Waterthrush, Louisiana ( <i>Seiurus motacilla</i> )	ON, QC	1996
	Woodpecker, Red-headed ( <i>Melanerpes erythrocephalus</i> )	MB, ON, QC, SK	1996

## AMPHIBIANS

	Frog, Northern Leopard ( <i>Rana pipiens</i> )	(Prairie Population) AB, MB, SK	1998
	Salamander, Coeur d'Alène ( <i>Plethodon idahoensis</i> )	BC	1998
	Salamander, Mountain Dusky ( <i>Desmognathus ochrophaeus</i> )	QC	1998
+	Salamander, Pacific Giant ( <i>Dicamptodon tenebrosus</i> )	BC	1989
	Salamander, Smallmouth ( <i>Ambystoma texanum</i> )	ON	1991
+	Toad, Fowler's ( <i>Bufo woodhousii fowleri</i> )	ON	1986
	Toad, Great Basin Spadefoot ( <i>Spea intermontana</i> )	BC	1998

## REPTILES

	Lizard, Eastern Short-horned ( <i>Phrynosoma douglassii brevirostre</i> )	AB, SK	1992
	Skink, Five-lined ( <i>Eumeces fasciatus</i> )	ON	1988
+	Skink, Northern Prairie ( <i>Eumeces septentrionalis septentrionalis</i> )	MB	1989
	Snake, Eastern Hognose ( <i>Heterodon platirhinos</i> )	ON	1997
	Snake, Eastern Yellow-bellied Racer ( <i>Coluber constrictor flaviventris</i> )	SK	1991
	Turtle, Spotted ( <i>Clemmys guttata</i> )	ON, QC	1991
	Turtle, Wood ( <i>Clemmys insculpta</i> )	NB, NS, ON, QC	1996

## LIST 1. (CONTINUED)

## VULNERABLE CATEGORY (CONTINUED)

## FISH

+	Buffalo, Bigmouth ( <i>Ictiobus cyprinellus</i> )	MB, ON, SK	1989
+	Buffalo, Black ( <i>Ictiobus niger</i> )	ON	1989
+	Chub, Silver ( <i>Macrhybopsis storeriana</i> )	MB, ON	1985
	Chubsucker, Lake ( <i>Erimyzon sucetta</i> )	ON	1994
	Cisco, Spring ( <i>Coregonus</i> sp.)	QC	1992
	Cod, Atlantic ( <i>Gadus morhua</i> )	Atlantic Ocean	1998
+	Dace, Redside ( <i>Clinostomus elongatus</i> )	ON	1987
+	Dace, Speckled ( <i>Rhinichthys osculus</i> )	BC	1980
+	Dace, Umatilla ( <i>Rhinichthys umatilla</i> )	BC	1988
	Darter, Greenside ( <i>Etheostoma blennioides</i> )	ON	1990
+↔	Gar, Spotted ( <i>Lepisosteus oculatus</i> )	ON	1994
+	Killifish, Banded ( <i>Fundulus diaphanus</i> )	(Newfoundland population) NF	1989
+	Kiyi ( <i>Coregonus kiyi</i> )	ON	1988
	Lamprey, Chestnut ( <i>Ichthyomyzon castaneus</i> )	MB, SK	1991
+↔	Lamprey, Lake ( <i>Lampetra macrostoma</i> )	BC	1998
	Lamprey, Northern Brook ( <i>Ichthyomyzon fossor</i> )	MB, ON, QC	1991
+	Madtom, Brindled ( <i>Noturus miurus</i> )	ON	1985
◆	Madtom, Northern ( <i>Noturus stigmosus</i> )	ON	1998
+	Minnow, Pugnose ( <i>Opsopoeodus emilae</i> )	ON	1985
	Minnow, Western Silvery ( <i>Hybognathus argyritis</i> )	AB	1997
+	Prickleback, Blackline ( <i>Acantholumpenus mackayi</i> )	(Arctic Ocean) NT	1989
+↔	Redhorse, River ( <i>Moxostoma carinatum</i> )	ON, QC	1987
	Sculpin, Cultus Pygmy ( <i>Cottus</i> sp.)	BC	1997
+	Sardine, Pacific ( <i>Sardinops sagax</i> )	Pacific Ocean	1987
+	Sculpin, Fourhorn ( <i>Myoxocephalus quadricornis</i> )	(Arctic Islands; freshwater form)	1989
+	Shiner, Bigmouth ( <i>Notropis dorsalis</i> )	MB	1985
+	Shiner, Pugnose ( <i>Notropis anogenus</i> )	ON	1985
	Shiner, Rosyface ( <i>Notropis rubellus</i> )	(Manitoba population) MB	1994
+↔	Shiner, Silver ( <i>Notropis photogenis</i> )	ON	1987
+	Stickleback, Charlotte Unarmoured ( <i>Gasterosteus aculeatus</i> )	BC	1983
+	Stickleback, Giant ( <i>Gasterosteus</i> sp.)	BC	1980
+	Sturgeon, Green ( <i>Acipenser medirostris</i> )	BC	1987
+	Sturgeon, Shortnose ( <i>Acipenser brevirostrum</i> )	NB	1980
	Sturgeon, White ( <i>Acipenser transmontanus</i> )	BC	1990
+↔	Sucker, Spotted ( <i>Minytrema melanops</i> )	ON	1994
+	Sunfish, Orangespotted ( <i>Lepomis humilis</i> )	ON	1989
+	Sunfish, Redbreast ( <i>Lepomis auritus</i> )	NB	1989
+	Topminnow, Blackstripe ( <i>Fundulus notatus</i> )	ON	1985
	Warmouth ( <i>Lepomis gulosus</i> )	ON	1994
+	Whitefish, Squanga ( <i>Coregonus</i> sp.)	YT	1987
+	Wolffish, Bering ( <i>Anarhichas orientalis</i> )	(Arctic Ocean)	1989

## MOLLUSCA

---



## LIST 1. (CONTINUED)

## VULNERABLE CATEGORY (CONTINUED)

## LEPIDOPTERA

Butterfly, Monarch (*Danaus plexippus*)

All provinces

1997

## PLANTS

Aster, Bathurst ( <i>Aster subulatus</i> var. <i>obtusifolius</i> )	NB	1992
+ Aster, Gulf of St. Lawrence ( <i>Aster laurentianus</i> )	NB, PE, QC	1989
+ Aster, Western Silver-leaf ( <i>Virgulus sericeus</i> )	MB, ON	1988
Bartonia, Branched ( <i>Bartonia paniculata</i> )	ON	1992
Buffalograss ( <i>Buchloë dactyloides</i> )	MB, SK	1998
Bulrush, Long's ( <i>Scirpus longii</i> )	NS	1994
+ Club-rush, Few-flowered ( <i>Scirpus verecundus</i> )	ON	1986
Columbo, American ( <i>Frasera caroliniensis</i> )	ON	1993
+ Dragon, Green ( <i>Arisaema dracontium</i> )	ON, QC	1984
+ Fern, Broad Beech ( <i>Phegopteris hexagonoptera</i> )	ON, QC	1983
Fern, Coastal Wood ( <i>Dryopteris arguta</i> )	BC	1998
Fleabane, Provancher's. ( <i>Erigeron philadelphicus</i> ssp. <i>provancheri</i> )	QC	1992
+ Gentian, Victorin's ( <i>Gentiana victorinii</i> )	QC	1987
Goosefoot, Smooth ( <i>Chenopodium subglabrum</i> )	AB, MB, SK	1992
+ Hackberry, Dwarf ( <i>Celtis tenuifolia</i> )	ON	1985
+↓ Helleborine, Giant ( <i>Epipactis gigantea</i> )	BC	1998
+ Hemlock, Victorin's Water ( <i>Cicuta maculata</i> var. <i>victorinii</i> )	QC	1987
Hyacinth, Wild ( <i>Camassia scilloides</i> )	ON	1990
+ Lilaeopsis ( <i>Lilaeopsis chinensis</i> )	NS	1987
Locoweed, Hare-footed ( <i>Oxytropis lagopus</i> )	AB	1995
+ Mallow, Swamp Rose ( <i>Hibiscus moscheutos</i> )	ON	1987
+ Meadowfoam, Macoun's ( <i>Limnanthes macounii</i> )	BC	1988
Milk-vetch, Fernald's ( <i>Astragalus robbinsii</i> var. <i>fernaldii</i> )	NF, QC	1997
+ Oak, Shumard ( <i>Quercus shumardii</i> )	ON	1984
+ Orchid, Eastern Prairie White Fringed ( <i>Platanthera leucophaea</i> )	ON	1986
Orchid, Phantom ( <i>Cephalanthera austinae</i> )	BC	1992
+ Plantain, Indian ( <i>Cacalia plantaginea</i> )	ON	1988
+ Pondweed, Hill's ( <i>Potamogeton hillii</i> )	ON	1986
Quillwort, Bolander's ( <i>Isoetes bolanderi</i> )	AB	1995
+ Rose, Climbing Prairie ( <i>Rosa setigera</i> )	ON	1986
Rue-anemone, False ( <i>Isopyrum biternatum</i> )	ON	1990
Rush, New Jersey ( <i>Juncus caesariensis</i> )	NS	1992
+ Soapweed ( <i>Yucca glauca</i> )	AB	1985
+ Star, Dense Blazing ( <i>Liatris spicata</i> )	ON	1988
+ Tree, Hop ( <i>Ptelea trifoliata</i> )	ON, QC	1984

LIST 1. (CONTINUED)

VULNERABLE CATEGORY (CONTINUED)

LICHENS

Cryptic Paw ( <i>Nephroma occultum</i> )	BC	1995
Oldgrowth Specklebelly ( <i>Pseudocyphellaria rainierensis</i> )	BC	1996
Seaside Bone ( <i>Hypogymnia heterophylla</i> )	BC	1996

MOSSES

---

**LIST 2. SPECIES EXAMINED AND DESIGNATED IN THE NOT AT RISK  
CATEGORY, WITH GEOGRAPHICAL OCCURRENCE AND DATE  
EXAMINED**

**MAMMALS**

	<b>Badger, American</b> ( <i>Taxidea taxus</i> )	AB, BC, MB, ON, SK	1979
	<b>Bear, American Black</b> ( <i>Urus americanus</i> )	All provinces & Territories except PE	1998
	<b>Beaver, Mountain</b> ( <i>Aplodontia rufa</i> )	BC	1984
	<b>Caribou, Woodland</b> ( <i>Rangifer tarandus caribou</i> )	(Labrador-Ungava population) NF, QC	1984
	<b>Caribou, Woodland</b> ( " " " )	(Newfoundland population) NF	1984
↔	<b>Cottontail, Nuttall's</b> ( <i>Sylvilagus nuttallii pinetis</i> )	(Prairie population) AB, SK	1994
	<b>Dolphin, Atlantic White-sided</b> ( <i>Lagenorhynchus acutus</i> )	(Atlantic Ocean)	1991
	<b>Dolphin, Bottlenose</b> ( <i>Tursiops truncatus</i> )	(Atlantic Ocean)	1993
	<b>Dolphin, Common</b> ( <i>Delphinus delphis</i> )	(Atlantic and Pacific Oceans)	1991
	<b>Dolphin, Northern Right Whale</b> ( <i>Lissodelphis borealis</i> )	(Pacific Ocean)	1990
	<b>Dolphin, Pacific White-Sided</b> ( <i>Lagenorhynchus obliquidens</i> )	(Pacific Ocean)	1990
	<b>Dolphin, Risso's</b> ( <i>Grampus griseus</i> )	(Atlantic and Pacific Oceans)	1990
	<b>Dolphin, Striped</b> ( <i>Stenella coeruleoalba</i> )	(Atlantic and Pacific Oceans)	1993
	<b>Dolphin, White-beaked</b> ( <i>Lagenorhynchus albirostris</i> )	(North Atlantic Ocean)	1998
↓	<b>Gopher, Plains Pocket</b> ( <i>Geomys bursarius</i> )	MB	1998
	<b>Lynx</b> ( <i>Lynx canadensis</i> )	All provinces and territories except PE	1989
↔	<b>Narwhal</b> ( <i>Monodon monoceros</i> )	(Arctic Ocean)	1989
	<b>Porpoise, Dall's</b> ( <i>Phocoenoides dalli</i> )	(Pacific Ocean)	1989
	<b>Seal, Bearded</b> ( <i>Erignathus barbatus</i> )	(Arctic and Atlantic Oceans)	1994
	<b>Seal, Hooded</b> ( <i>Cystophora cristata</i> )	(Atlantic Ocean)	1986
	<b>Seal, Northern Elephant</b> ( <i>Mirounga angustirostris</i> )	(Pacific Ocean)	1986
	<b>Seal, Northern Fur</b> ( <i>Callorhinus ursinus</i> )	(Pacific coastal waters)	1996
	<b>Seal, Ringed</b> ( <i>Phoca hispida</i> )	(Arctic and Atlantic Oceans)	1989
	<b>Sea Lion, California</b> ( <i>Zalophus californianus</i> )	(Pacific Ocean)	1987
	<b>Sea Lion, Steller</b> ( <i>Eumetopias jubatus</i> )	(Pacific Ocean)	1987
	<b>Squirrel, Cascade Mantled Ground</b> ( <i>Spermophilus saturatus</i> )	BC	1992
	<b>Squirrel, Fox</b> ( <i>Sciurus niger</i> )	MB, ON	1979
	<b>Walrus, Atlantic</b> ( <i>Odobenus rosmarus rosmarus</i> )	(Eastern Arctic population)	1987
↓	<b>Weasel, Prairie Long-tailed</b> ( <i>Mustela frenata longicauda</i> )	(Prairie population) AB, MB, SK	1993
	<b>Whale, Baird's Beaked</b> ( <i>Berardius bairdii</i> )	(Pacific Ocean)	1992
	<b>Whale, Blainville's Beaked</b> ( <i>Mesoplodon densirostris</i> )	(Atlantic Ocean)	1989
	<b>Whale, Cuvier's Beaked</b> ( <i>Ziphius cavirostris</i> )	(Atlantic and Pacific Oceans)	1990
	<b>Whale, False Killer</b> ( <i>Pseudorca crassidens</i> )	(Pacific Ocean)	1990
	<b>Whale, Gray</b> ( <i>Eschrichtius robustus</i> )	(Northeast Pacific population)	1987
	<b>Whale, Hubb's Beaked</b> ( <i>Mesoplodon carlhubbsi</i> )	(Pacific Ocean)	1989
	<b>Whale, Long-finned Pilot</b> ( <i>Globicephala melas</i> )	(Atlantic Ocean)	1994
	<b>Whale, Northern Bottlenose</b> ( <i>Hyperoodon ampullatus</i> )	(Atlantic Ocean)	1993
	<b>Whale, Pygmy Sperm</b> ( <i>Kogia breviceps</i> )	(Atlantic and Pacific Oceans)	1994
	<b>Whale, Short-finned Pilot</b> ( <i>Globicephala macrorhynchus</i> )	(Pacific Ocean)	1993

## LIST 2. (CONTINUED)

### MAMMALS (CONTINUED)

Whale, Sperm ( <i>Physeter macrocephalus</i> )	(Atlantic and Pacific Oceans)	1996
Whale, Stejneger's Beaked ( <i>Mesoplodon stejnerti</i> )	(Pacific Ocean)	1989
Whale, True's Beaked ( <i>Mesoplodon mirus</i> )	(Atlantic Ocean)	1989
Whale, White (Beluga) ( <i>Delphinapterus leucas</i> )	(Beaufort Sea\Arctic Ocean population)	1985
Whale, White (Beluga) ( " " )	(Western Hudson's Bay population)	1993

### BIRDS

+↓ Bluebird, Eastern ( <i>Sialia sialis</i> )	AB, MB, NB, NS, ON, PE, QC, SK	1996
Chat, Yellow-breasted ( <i>Icteria virens auricollis</i> )	(Prairie population) AB, SK	1994
Coot, American ( <i>Fulica americana</i> )	All provinces/territories except NF	1991
Cormorant, Double-crested ( <i>Phalacrocorax auritus</i> )	All provinces	1978
Crane, Greater Sandhill ( <i>Grus canadensis tabida</i> )	BC, MB, ON	1979
Eagle, Bald ( <i>Haliaeetus leucocephalus</i> )	All provinces and territories	1984
↔ Eagle, Golden ( <i>Aquila chrysaetos</i> )	AB, BC, MB, NF, NT, ON, QC, SK, YT	1996
↔ Falcon, Prairie ( <i>Falco mexicanus</i> )	AB, BC, SK	1996
Flycatcher, Gray ( <i>Empidonax wrightii</i> )	BC	1992
Goshawk, Northern ( <i>Accipiter gentilis atricapillus</i> )	All provinces and territories	1995
Grebe, Red-necked ( <i>Podiceps grisegena</i> )	All provinces and territories except PE and NB	1982
↔ Gyr Falcon ( <i>Falco rusticolus</i> )	AB, BC, NF, NS, NT, ON, PE, QC, SK, YT	1987
Harrier, Northern ( <i>Circus cyaneus</i> )	All provinces and territories	1993
Hawk-Owl, Northern ( <i>Surnia ulula</i> )	AB, BC, MB, NB, NF, NT, ON, QC, SK, YT	1992
+↓ Hawk, Cooper's ( <i>Accipiter cooperii</i> )	AB, BC, MB, NB, NS, ON, QC, SK	1996
Hawk, Red-tailed ( <i>Buteo jamaicensis</i> )	All provinces and territories	1995
↔ Hawk, Sharp-shinned ( <i>Accipiter striatus</i> )	All provinces and territories	1997
Loon, Common ( <i>Gavia immer</i> )	All provinces and territories	1997
Loon, Yellow-billed ( <i>Gavia adamsii</i> )	AB, BC, MB, NT, QC, YT	1997
Hawk, Rough-legged ( <i>Buteo lagopus</i> )	BC, MB, NF, NT, ON, QC, YT	1995
Merlin ( <i>Falco columbarius</i> )	All provinces and territories	1985
Owl, Boreal ( <i>Aegolius funereus</i> )	All provinces and territories	1995
+↓ Owl, Great Gray ( <i>Strix nebulosa</i> )	AB, BC, MB, NT, ON, QC, SK, YT	1996
Owl, Snowy ( <i>Nyctea scandiaca</i> )	MB, NF, NT, QC, YT	1995
↓ Pelican, American White ( <i>Pelecanus erythrorhynchos</i> )	AB, BC, MB, ON, SK	1987
Screech-Owl, Eastern ( <i>Otus asio</i> )	MB, ON, QC, SK	1986
↓ Sparrow, Baird's ( <i>Ammodramus bairdii</i> )	AB, MB, SK	1996
Sparrow, Nelson's Sharp-tailed ( <i>Ammodramus nelsoni</i> )	AB, BC, MB, NB, NS, ON, PE, QC, SK	1998
+↓ Swan, Trumpeter ( <i>Cygnus buccinator</i> )	AB, BC, NT, ON, SK, YT	1996
↔ Tern, Black ( <i>Chlidonias niger</i> )	AB, BC, MB, NB, NS, NT, ON, QC, SK	1996
Tern, Common ( <i>Sterna hirundo</i> )	AB, MB, NB, NF, NS, NT, ON, PE, QC, SK	1998
Wren, Canyon ( <i>Catherpes mexicanus</i> )	BC	1992
Wren, Sedge ( <i>Cistothorus platensis</i> )	AB, MB, NB, ON, QC, SK	1993

### AMPHIBIANS

### REPTILES

Snake, Western Yellowbelly Racer ( <i>Coluber constrictor mormon</i> )	BC	1991
---	----	------

## LIST 2. (CONTINUED)

### FISH

Bloater ( <i>Coregonus hoyi</i> )	ON	1988
Chub, Hornyhead ( <i>Nocomis biguttatus</i> )	MB, ON	1988
Chub, River ( <i>Nocomis micropogon</i> )	ON	1988
Dace, Leopard ( <i>Rhinichthys falcatus</i> )	BC	1990
Darter, Least ( <i>Etheostoma microperca</i> )	ON	1989
Darter, River ( <i>Percina shumardi</i> )	MB, ON	1989
Darter, Tessellated ( <i>Etheostoma olmstedii</i> )	ON, QC	1993
Herring, Blueback ( <i>Alosa aestivalis</i> )	NB, NS	1980
Killifish, Banded ( <i>Fundulus diaphanus</i> )	(mainland pop.) MB, NB, NF, NS, ON, PE, QC	1989
Minnow, Bluntnose ( <i>Pimephales notatus</i> )	MB, ON, QC	1998
Minnow, Cutlips ( <i>Exoglossum maxillingua</i> )	ON, QC	1994
Minnow, Eastern Silvery ( <i>Hybognathus regius</i> )	ON, QC	1997
Pickereel, Chain ( <i>Esox niger</i> )	NB, NS, QC	1997
Pickereel, Redfin ( <i>Esox americanus americanus</i> )	QC	1998
Redhorse, Golden ( <i>Moxostoma erythrurum</i> )	MB, ON	1989
Sculpin, Fourhorn ( <i>Myoxocephalus quadricornis</i> )	(Arctic, Atlantic and Pacific Oceans) [salt water form]	1989
Sculpin, Spoonhead ( <i>Cottus ricei</i> )	AB, BC, MB, NT, ON, QC, SK, YT	1989
Shiner, Blackchin ( <i>Notropis heterodon</i> )	MB, ON, QC	1994
Shiner, Ghost ( <i>Notropis buechanani</i> )	ON	1993
Shiner, Redfin ( <i>Lythrurus umbratilis</i> )	ON	1988
Shiner, Rosyface ( <i>Notropis rubellus</i> )	ON, QC	1994
Shiner, Striped ( <i>Luxilus chrysocephalus</i> )	ON	1993
Silverside, Brook ( <i>Labidesthes sicculus</i> )	ON, QC	1989
↓ Stoneroller, Central ( <i>Camptostoma anomalum</i> )	ON	1998
Sturgeon, Lake ( <i>Acipenser fulvescens</i> )	AB, MB, ON, QC, SK	1986
Sucker, Mountain ( <i>Catostomus platyrhynchus</i> )	AB, BC, SK	1991
Sunfish, Green ( <i>Lepomis cyanellus</i> )	ON	1987
Sunfish, Longear ( <i>Lepomis megalotis</i> )	ON, QC	1987
Y-Prickleback ( <i>Allolumpenus hypochromus</i> )	BC	1991

### MOLLUSCA

---

### LEPIDOPTERA

---

### PLANTS

Aster, Yukon ( <i>Aster yukonensis</i> )	NT, YT	1996
Brickellia, Large-flowered ( <i>Brickellia grandiflora</i> )	AB, BC	1996
Fameflower ( <i>Talinum sedifforme</i> )	BC	1990
Fleabane, Dwarf ( <i>Erigeron radicans</i> )	AB, SK	1996
Goldenweed, MacLean's ( <i>Haplopappus macleanii</i> )	YT	1997
Mermaid, False ( <i>Floerkea proserpinacoides</i> )	NS, ON, QC	1984
Phlox, Blue ( <i>Phlox alyssifolia</i> )	AB, SK	1996
Rhododendron, Pacific ( <i>Rhododendron macrophyllum</i> )	BC	1997
Rush Pink ( <i>Stephanomeria runcinata</i> )	AB, SK	1996
Sagebrush, Wood's ( <i>Artemisia rupestris</i> ssp. <i>woodii</i> )	YT	1997

## LIST 2. (CONTINUED)

### PLANTS (CONTINUED)

Sedge, Nebraska ( <i>Carex nebrascensis</i> )	AB	1995
Stitchwort, Sand ( <i>Stellaria arenicola</i> )	AB, SK	1992
Wallflower, Narrow-leaved ( <i>Erysimum angustatum</i> )	YT	1993
Woolly-heads, Slender ( <i>Psilocarphus tenellus</i> var. <i>tenellus</i> )	BC	1996

### LICHENS

---

### MOSSES

---

**LIST 3. SPECIES EXAMINED AND DESIGNATED IN THE INDETERMINATE  
CATEGORY BECAUSE OF INSUFFICIENT SCIENTIFIC  
INFORMATION, WITH GEOGRAPHICAL OCCURRENCE AND  
DATE EXAMINED**

**MAMMALS**

◆ <b>Cougar</b> ( <i>Puma concolor cougar</i> )	(Eastern population) NB, NS, ON, QC	1998
<b>Mouse, Western Harvest</b> ( <i>Reithrodontomys megalotis dychel</i> )	(Prairie population) AB	1994
<b>Porpoise, Harbour</b> ( <i>Phocoena phocoena</i> )	(Pacific Ocean)	1991
<b>Vole, Sagebrush</b> ( <i>Lemmus curtatus</i> )	AB, SK	1996
<b>Whale, Dwarf Sperm</b> ( <i>Kogia sinus</i> )	(Pacific Ocean)	1997

**BIRDS**

<b>Poorwill, Common</b> ( <i>Phalaenoptilus nuttallii</i> )	AB, BC, SK	1993
<b>Screech-Owl, Western</b> ( <i>Otus kennicottii</i> )	BC	1995
<b>Tern, Forster's</b> ( <i>Sterna forsteri</i> )	AB, BC, MB, ON, SK	1996

**AMPHIBIANS**

---

**REPTILES**

---

**FISH**

<b>Catfish, Flathead</b> ( <i>Pylodictis olivaris</i> )	ON	1993
<b>Chiselmouth</b> ( <i>Acrocheilus alutaceus</i> )	BC	1997
<b>Cisco, Bering</b> ( <i>Coregonus laurettae</i> )	YT	1990
<b>Lamprey, Darktail</b> ( <i>Lethenteron alaskense</i> )	NT	1990
<b>Poacher, Pixie</b> ( <i>Ocella impi</i> )	BC	1991
<b>Sculpin, Spinynose</b> ( <i>Asemichthys taylori</i> )	(Pacific Coast)	1997

**MOLLUSCA**

<b>Snail, Gatineau Tadpole</b> ( <i>Physella parkeri lachfordi</i> )	ON (?), QC	1997
---	------------	------

**LEPIDOPTERA**

---

**PLANTS**

<b>Barley, Little</b> ( <i>Hordeum pusillum</i> )	AB	1993
<b>Goldenweed, Rabbit-brush</b> ( <i>Ericameria bloomeri</i> )	BC	1997
<b>Pinweed, Impoverished</b> ( <i>Lechea intermedia</i> var. <i>depauperata</i> )	SK	1997
<b>Whitflow-cress, Kananaskis</b> ( <i>Draba kananaskis</i> )	AB	1992

**LICHENS**

---

**MOSSES**

---

## RECORD OF STATUS REEXAMINATIONS

**AMERICAN WHITE PELICAN:** designated threatened in 1978 and delisted in 1987.

**BAIRD'S SPARROW:** designated threatened in 1989 and delisted in 1996.

**BLACK-TAILED PRAIRIE DOG:** designated rare (vulnerable) in 1978 and reconfirmed as rare (vulnerable) in 1988.

**BLACK TERN:** not in any category (not at risk) in 1978 and reconfirmed as not at risk in 1996.

**BLUEHEARTS:** designated threatened in 1985 and uplisted to endangered in 1998.

**BOWHEAD WHALE:** Eastern and Western Arctic populations designated endangered in 1980; Western Arctic population revisited in 1986 and reconfirmed as endangered.

**BURROWING OWL:** designated threatened in 1979 and reconfirmed as threatened in 1991; re-examined in 1995 and uplisted to endangered.

**CENTRAL STONEROLLER:** designated rare (vulnerable) in 1985 and delisted in 1998.

**COOPER'S HAWK:** designated rare (vulnerable) in 1983 and delisted in 1996.

**EASTERN BLUEBIRD:** designated rare (vulnerable) in 1984 and delisted in 1996.

**COUGAR [EASTERN POPULATION]:** designated endangered in 1978; re-examined by COSEWIC and placed on indeterminate list because there was insufficient scientific data to evaluate taxonomy or assign a status.

**EASTERN MOLE:** designated rare (vulnerable) in 1980 and reconfirmed as vulnerable in 1998.

**EASTERN PRICKLY PEAR CACTUS:** designated endangered in 1985 and reconfirmed as endangered in 1998.

**FERRUGINOUS HAWK:** designated threatened in 1980 and downlisted to vulnerable in 1995.

**FURBISH'S LOUSEWORT:** designated endangered in 1980 and reconfirmed as endangered in 1998.

**GIANT HELLEBORINE:** designated threatened in 1984 and downlisted to vulnerable in 1998.

**GOLDEN EAGLE:** no designation required (not at risk) in 1987 and reconfirmed as not at risk in 1996.

**GRAVEL CHUB:** designated endangered in 1985 and uplisted to extirpated in 1987.

**GREAT GRAY OWL:** designated rare (vulnerable) in 1979 and delisted in 1996.

**GREATER PRAIRIE CHICKEN:** designated endangered in 1978 and uplisted to extirpated in 1990.

**GRIZZLY BEAR:** not in any category (not at risk) in 1979 and uplisted to vulnerable in 1991. (The uplisting recognized the sensitivity of the grizzly bear to environmental changes and overharvest, though its population was not in decline.)

**GYRFALCON:** not in any category (not at risk) in 1978 and reconfirmed in 1987.



## **RECORD OF STATUS REEXAMINATIONS (CONTINUED)**

**HARBOUR PORPOISE:** Northeast Atlantic population designated threatened in 1990 and reconfirmed as threatened in 1991. Northeast Pacific population designated "ISIBD"<sup>29</sup> (indeterminate) in 1991.

**HEART-LEAVED PLANTAIN:** designated endangered in 1985 and reconfirmed as endangered in 1998.

**HENSLOW'S SPARROW:** designated threatened in 1984 and uplisted to endangered in 1993.

**HOARY MOUNTAIN MINT:** designated endangered in 1986 and reconfirmed as endangered in 1998.

**HUMPBACK WHALE:** both Atlantic and Pacific populations were designated threatened in 1982. Status reconfirmed as threatened for the North Pacific population in 1985. The Western North Atlantic population downlisted to rare (vulnerable) in 1985.

**IVORY GULL:** designated rare (vulnerable) in 1981 and reconfirmed as vulnerable in 1996.

**KING RAIL:** designated rare (vulnerable) in 1985 and uplisted to endangered in 1994.

**LAKE LAMPREY:** designated rare (vulnerable) in 1986 and reconfirmed as vulnerable in 1998.

**LARGE WHORLED POGONIA:** designated endangered in 1986 and reconfirmed as endangered in 1998.

**LOGGERHEAD SHRIKE :** considered as one population in 1986 and designated threatened; Eastern population was uplisted to endangered in 1991.

**LOUISIANA WATERTHRUSH:** designated vulnerable in 1991 and reconfirmed as vulnerable in 1996.

**MARTEN (NEWFOUNDLAND POPULATION):** not in any category (not at risk) in 1979 and uplisted to threatened in 1986. Reassessed in 1996 and uplisted to endangered.

**MOSQUITO FERN:** designated threatened in 1984 and reconfirmed as threatened in 1998.

**NARWHAL:** not in any category (not at risk) in 1986 and reconfirmed in 1987.

**NORTHERN MADTOM:** was considered indeterminate in 1993; was re-examined in 1998 and designated vulnerable.

**NUTTALL'S COTTONTAIL:** prairie population not in any category (not at risk) in 1991 and reconfirmed as not in any category (not at risk) in 1994. BC population designated as vulnerable in 1994.

**PEARY CARIBOU:** considered as one population and designated threatened in 1979. Considered as three populations in 1991 and redesignated as follows; Banks Island population, endangered; High Arctic population, endangered; and Low Arctic population, threatened.

**PINK MILKWORT:** designated endangered in 1984 and reconfirmed as endangered in 1998.

**PIPING PLOVER:** designated threatened in 1978 and uplisted to endangered in 1985.

**PLAINS POCKET GOPHER:** designated rare (vulnerable) in 1979 and delisted in 1998.

---

<sup>29</sup> ISIBD = insufficient scientific information on which to base a designation. As of 1994 ISIBD changed to indeterminate category.

## RECORD OF STATUS REEXAMINATIONS (CONTINUED)

**POLAR BEAR:** not in any category (not at risk) in 1986; uplisted to vulnerable in 1991. (The uplisting recognized the sensitivity of the polar bear to environmental changes and overharvest, though its population was not in decline.)

**PRAIRIE FALCON:** no designation required (not at risk) in 1978 and reconfirmed as no designation required (not at risk) in 1982. Reassessed in 1996 and reconfirmed as not at risk.

**PRAIRIE LONG-TAILED WEASEL:** designated threatened in 1982 and delisted in 1993.

**PROTHONOTARY WARBLER:** designated rare (vulnerable) in 1984 and uplisted to endangered in 1996.

**RED-SHOULDERED HAWK:** designated rare (vulnerable) in 1983 and reconfirmed as vulnerable in 1996.

**RICHT WHALE:** designated endangered in 1980 and reconfirmed in 1985 and reconfirmed again in 1990.

**RIVER REDHORSE:** designated rare (vulnerable) in 1983 and reconfirmed in 1987.

**ROSS' GULL:** designated (rare) vulnerable in 1981 and reconfirmed as vulnerable in 1996.

**SAGE GROUSE:** conditionally designated threatened in 1997. The report was revised and reexamined by COSEWIC in 1998 and the Prairie population (AB and SK) was designated endangered.

**SEA OTTER:** designated endangered in 1978 and reconfirmed in 1986. Reassessed in 1996 and downlisted to threatened.

**SHARP-SHINNED HAWK;** designated no designation required (not at risk) in 1986 and reconfirmed as not at risk in 1997.

**SILVER SHINER:** designated rare (vulnerable) in 1983 and reconfirmed in 1987.

**SMALL WHORLED POGONIA:** designated endangered in 1982 and reconfirmed as endangered in 1998.

**SOUTHERN MAIDENHAIR FERN:** designated endangered in 1984 and reconfirmed as endangered in 1998.

**SPOTTED GAR:** designated rare (vulnerable) in 1983 and reconfirmed as vulnerable in 1994.

**SPOTTED SUCKER:** designated rare (vulnerable) in 1983 and reconfirmed as vulnerable in 1994.

**SPOTTED WINTERGREEN:** designated endangered in 1987 and reconfirmed as endangered in 1998.

**SWEET PEPPERBUSH:** designated threatened in 1986 and reconfirmed as threatened in 1998.

**SWIFT FOX:** designated extirpated in 1978 and downlisted to endangered in 1998.

**TRUMPETER SWAN:** designated rare (vulnerable) in 1978 and delisted in 1996.

**TUNDRA PEREGRINE FALCON:** designated threatened in 1978 and downlisted to vulnerable in 1992.

**VANCOUVER ISLAND MARMOT:** designated endangered in 1978 and reconfirmed as endangered in 1997.

**WHITE WHALE (BELUGA) ) [ST LAWRENCE RIVER POPULATION]:** designated endangered in 1983 and reconfirmed as endangered in 1997.

## RECORD OF STATUS REEXAMINATIONS (CONTINUED)

**WOLVERINE:** considered as one population in 1982 and designated rare (vulnerable). Split into two populations in 1989; Western population, vulnerable, and Eastern (Quebec and Labrador) population, endangered.

**WOOD BISON:** designated endangered in 1978 and downlisted to threatened in 1988.

RECEIVED  
FBI  
JAN 10 1989

QH 77 C3 C6613 1998  
Committee on the Status...  
Canadian species at risk,  
April 1998

LIBRARY  
CANADA CENTRE FOR INLAND WATERS  
867 LAKESHORE ROAD  
BURLINGTON, ONTARIO, CANADA  
L7R 4A6

Secr

**List of  
Canadian  
Species at  
Risk,  
April 1998.**

998)

**Dr. David Green**  
Redpath Museum  
McGill University  
859 Sherbrooke Street, West  
Montreal, QC H3A 2K6

**Amphibians & Reptiles  
Co-chair**

**Dr. David M. Green**  
Redpath Museum  
McGill University  
859 Sherbrooke Street, West  
Montreal, QC, H3A 2K6

**Co-chair**

**Dr. Ronald J. Brooks**  
Department of Zoology  
College of Biological Science  
University of Guelph  
Guelph, ON, N1G 2W1

**Mammals  
Chair**

**Mr. David Nagorsen**  
Curator of Mammals  
Royal British Columbia Museum  
P.O. Box 9815 Stn. Prov. Govt.  
Victoria, BC, V8W 9W2

**Fish & Marine Mammals  
Chair**

**Dr. Robert Campbell**  
c/o K. Davis  
1613 Kinburn Sideroad, R.R. No. 2  
Kinburn, ON, K0A 2H0

**Birds  
Co-chair**

**Ms. Colleen Hyslop**  
Canadian Wildlife Service  
Environment Canada  
Ottawa, ON, K1A 0H3

**Co-chair**

**Dr. Gilles Sentin**  
Department of Geography  
McGill University  
805 Sherbrooke W  
Montreal, QC, H3A 2K6

**Lepidoptera & Mollusca  
Chair**

**Dr. B. Theresa Fowler**  
c/o Canadian Wildlife Service  
Environment Canada  
Ottawa, ON, K1A 0H3

**Plants, Mosses & Lichens  
Chair**

**Dr. Erich Haber**  
National Botanical Services  
604 Wavell Avenue  
Ottawa, ON, K2A 3A8

**COSEWIC SECRETARIAT**

**Co-ordinator, Mrs. Sylvia Normand**

**Project Support Specialist, Shirley Sheppard**

**c/o Canadian Wildlife Service, Environment Canada, Ottawa, ON, K1A 0H3**

**Tel: 819-997-4991/994-2407**

**E-mail: [sylvia.normand@ec.gc.ca](mailto:sylvia.normand@ec.gc.ca)**

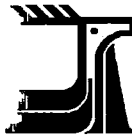
**Fax: 819-954-3684**

**E-mail: [shirley.sheppard@ec.gc.ca](mailto:shirley.sheppard@ec.gc.ca)**

**Web Site: <http://www.cosewic.gc.ca>**

**Courier Address**

**Place Vincent Massey, 351 St. Joseph Boulevard, Room 431, 4th Floor  
Hull, QC**



The Committee on the Status of Endangered Wildlife in Canada (COSEWIC) was created in 1977 as a result of a recommendation at the Federal-Provincial Wildlife Conference held in 1976. It arose from the need for a single, official, scientifically sound, national listing of wildlife species at risk. In 1978, COSEWIC designated its first species and produced its first list of Canadian species at risk. COSEWIC meets annually in April each year. Species designated at this meeting are added to the list.



Environment  
Canada  
Canadian Wildlife  
Service

Environnement  
Canada  
Service canadien  
de la faune

The Canadian Wildlife Service, Environment Canada, provides full administrative and financial support to the COSEWIC Secretariat.