

SoW – MB Wildlife Branch – ‘species of concern’

- Nicole Firlotte (Sept/06)

The Manitoba Conservation Data Centre (CDC) is a storehouse of information on Manitoba’s biodiversity – its plant and animal species, as well as its natural plant communities. Housed within the Wildlife and Ecosystem Protection Branch of Manitoba Conservation, the CDC is Manitoba’s authoritative source of information on rare species, including Species at Risk. The information has many uses, including conservation and development planning, and is made available to government agencies, the private sector, and the public.

The Manitoba CDC is a member of NatureServe, a network of over 80 similar organizations throughout Canada, the United States and Latin America. NatureServe and its member programs use a scientifically- and empirically-defined methodology and rigorous standards common to all CDC’s throughout the network. The CDC exchanges its biodiversity data annually with NatureServe, thereby gaining access to the expertise of a team of biodiversity scientists throughout the western hemisphere.

The CDC has developed lists of plant and animal species and plant communities, also known as ‘elements’ of biodiversity, found in Manitoba. It assigns each of these elements a conservation status rank, based on how rare the species or community is in Manitoba, and then collects detailed information on where the provincially-rare elements have been found. These locations, known as element occurrences, are mapped using specialized geographic information system (GIS) and database software known as Biotics.

The following information on species occurring within Manitoba’s watersheds is based on existing data known to the Manitoba CDC at the time of the request. These data are dependent on the research and observations of CDC staff and others who have shared their data, and reflects our current state of knowledge.

An absence of a data in any particular geographic area does not necessarily mean that species or ecological communities of concern are not present; in many areas, comprehensive surveys have never been completed. Therefore, this information should be regarded neither as a final statement on the occurrence of any species of concern, nor as a substitute for on-site surveys for species as part of environmental assessments.

Also, because the Manitoba CDC’s Biotics database is continually updated and because information requests are evaluated by type of action, any given response is only appropriate for its respective request. The Manitoba CDC should be contacted for an update on this natural heritage information if more than six months passes before it is utilized.

Conservation Status Ranks
for
Species found within the Seine River Watershed

Scientific Name (Common Name)	Number of occurrences¹	Manitoba Status Rank²
Plants³		
<i>Astragalus neglectus</i> (Milkvetch)	4	Very Rare (S1)
<i>Clematis ligusticifolia</i> (Western Virgin's-bower)	1	Very Rare (S1)
<i>Cyperus erythrorhizos</i> (Red-root Flatsedge)	2	Very Rare (S1)
<i>Cypripedium candidum</i> (Small White Lady's-slipper)	1	Very Rare (S1)
<i>Elatine triandra</i> var. <i>americana</i> (Mud-purslane)	1	Very Rare (S1)
<i>Veronicastrum virginicum</i> (Culver's-root)	1	Very Rare (S1)
<i>Amorpha fruticosa</i> (False Indigo)	10	Very Rare (S1S2)
<i>Arethusa bulbosa</i> (Swamp Pink)	1	Rare (S2)
<i>Arisaema triphyllum</i> ssp. <i>triphyllum</i> (Jack-in-the-pulpit)	2	Rare (S2)
<i>Asclepias verticillata</i> (Whorled Milkweed)	2	Rare (S2)
<i>Aster modestus</i> (Large Northern Aster)	1	Rare (S2)
<i>Carex cristatella</i> (Crested Sedge)	1	Rare (S2)
<i>Clematis virginiana</i> (Virgin's-bower)	1	Rare (S2)
<i>Cyperus houghtonii</i> (Houghton's Umbrella-sedge)	2	Rare (S2)
<i>Lycopodium tristachyum</i> (Ground-cedar)	1	Rare (S2)
<i>Ostrya virginiana</i> (Hop-hornbeam)	1	Rare (S2)
<i>Polygala verticillata</i> var. <i>isocycla</i> (Whorled Milkwort)	1	Rare (S2)
<i>Pyrola rotundifolia</i> (Round-leaved Pyrola)	1	Rare (S2)
<i>Solidago riddellii</i> (Riddell's Goldenrod)	6	Rare (S2)
<i>Steironema quadriflorum</i> (Whorled Loosestrife)	1	Rare (S2)
<i>Symphotrichum sericeum</i> (Western Silvery Aster)	1	Rare (S2)
<i>Uvularia sessilifolia</i> (Small Bellwort)	2	Rare (S2)
<i>Cypripedium arietinum</i> (Ram's Head Lady's-slipper)	1	Rare (S2?)
<i>Malaxis unifolia</i> (Green Adder's-mouth)	1	Rare (S2?)
<i>Agalinis tenuifolia</i> (Narrow-leaved Gerardia)	3	Rare (S2S3)
<i>Pinus resinosa</i> (Red Pine)	1	Rare (S2S3)
<i>Carex hallii</i> (Hall's Sedge)	1	Uncommon (S3)
<i>Carex livida</i> (Livid Sedge)	1	Uncommon (S3)
<i>Ceanothus herbaceus</i> (New Jersey Tea)	2	Uncommon (S3)
<i>Hypoxis hirsuta</i> (Yellow Stargrass)	1	Uncommon (S3)
<i>Osmunda claytoniana</i> (Interrupted Fern)	1	Uncommon (S3)
<i>Platanthera orbiculata</i> (Round-leaved Bog Orchid)	1	Uncommon (S3)
<i>Stipa viridula</i> (Green Needle Grass)	1	Uncommon (S3)
<i>Carex douglasii</i> (Douglas Sedge)	1	Uncommon (S3?)
<i>Sporobolus neglectus</i> (Annual Dropseed)	1	Uncommon (S3?)
<i>Viola conspersa</i> (Dog Violet)	1	Uncommon (S3?)
<i>Cardamine bulbosa</i> (Spring Cress)	1	Historical (SH)

Scientific Name (Common Name)	Number of occurrences ¹	Manitoba Status Rank ²
<i>Lactuca floridana</i> (Woodland Lettuce)	1	Historical (SH)
<i>Vernonia fasciculata</i> ssp. <i>corymbosa</i> (Western Ironweed)	2	Historical (SH) Rank not applicable (SNA)
<i>Carex tribuloides</i> (Prickly Sedge)	1	Status Uncertain (SU)
<i>Cuscuta pentagona</i> var. <i>pentagona</i> (Dodder)	1	Status Uncertain (SU)
<i>Sisyrinchium campestre</i> (White-eyed Grass)	2	Status Uncertain (SU)

Animals⁴

<i>Athene cunicularia</i> (Burrowing Owl)	1	Very Rare (S1B)
<i>Macrhybopsis storeriana</i> (Silver Chub)	4	Uncommon (S3)
<i>Ichthyomyzon castaneus</i> (Chestnut Lamprey)	2	Uncommon (S3S4)
<i>Strix varia</i> (Barred Owl)	4	Uncommon (S3S4)
<i>Accipiter cooperii</i> (Cooper's Hawk)	4	Apparently Secure (S4B)
<i>Coturnicops noveboracensis</i> (Yellow Rail)	1	Apparently Secure (S4B)
<i>Strix nebulosa</i> (Great Gray Owl)	2	Apparently Secure (S4B)
<i>Orconectes immunis</i> (Calico Crayfish)	3	Not ranked (SNR)

Plant Communities

<i>Fraxinus pennsylvanica</i> -(<i>ulmus americana</i>)- <i>acer negundo</i> forest (Green Ash-(American Elm)-manitoba Maple Forest)	1	Uncommon (S3)
<i>Quercus macrocarpa</i> / <i>amelanchier alnifolia</i> / <i>aralia nudicaulis</i> - <i>carex assiniboinensis</i> forest (Bur Oak/saskatoon Serviceberry/sarsaparilla-assiniboia Sedge Forest)	1	Uncommon (S3?)

1: The number of times a specific example of a plant, animal or vegetative community occurs at a specific geographic location within the Seine River Watershed.

2: Please refer to Conservation Status Rank Definitions below

3: Vascular and Non-Vascular plants

4: Vertebrate and Invertebrate animals

Conservation Status Rank Definitions

The following definitions, stated in general terms, are used by the Manitoba Conservation Data Centre.

S1 Very rare throughout its range or in the province (5 or fewer occurrences, or very few remaining individuals). May be especially vulnerable to extirpation.

- S2** Rare throughout its range or in the province (6 to 20 occurrences). May be vulnerable to extirpation.
- S3** Uncommon throughout its range or in the province (21 to 100 occurrences).
- S4** 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).
- S5** Demonstrably widespread, abundant, and secure throughout its range or in the province, and essentially eradicable under present conditions.
- SU** Possibly in peril, but status uncertain; more information needed.
- SH** Historically known; may be rediscovered.
- S#S#** Numeric range rank: A range between two consecutive numeric ranks. Denotes range of uncertainty about the exact status of the species (e.g. S1S2).
- S#B** Breeding: Basic rank refers to the breeding population of the element in the province.
- S#N** Non-breeding: Basic rank refers to the non-breeding population of the element in the province.
- SNR** A species not ranked. A rank has not yet been assigned or the species has not been evaluated.
- SNA** A conservation status rank is not applicable to the element.