



STAR-ORION SOUTH DIAMOND PROJECT  
ENVIRONMENTAL IMPACT STATEMENT

## APPENDIX 5.3.4-B

### Boreal Species at Risk in Saskatchewan

**Table 1: Boreal Species at Risk in Saskatchewan**

Taxonomic Groupings		Species Names		Rarity Rankings			Habitat	
Group	Family	Scientific Name	Common Name	SKCDC Ranking	SARA Ranking	COSEWIC Ranking	Boreal Forest Habitat	Expected Habitat Classes
Fish		<i>Umbra lima</i>	Central mudminnow	S2S3			Large Rivers	Saskatchewan River
		<i>Platygobio gracilis</i>	Flathead chub	S3S4			Large Rivers	Saskatchewan River
		<i>Acipenser fulvescens</i>	Lake sturgeon	S2			Large Rivers	Saskatchewan River
		<i>Hiodon tergisus</i>	Mooneye	S3			Large Rivers	Saskatchewan River
		<i>Phoxinus eos</i>	Northern redbelly dace	S3S4			Creeks, Tributaries	Rivers, Creeks
		<i>Carpionodes cyprinus</i>	Quillback	S3S4			Large Rivers	Saskatchewan River
		<i>Notropis blennioides</i>	River shiner	S3S4			Creeks, Tributaries	Rivers, Creeks
		<i>Moxostoma anisurum</i>	Silver redhorse	S3S4			Large Rivers	Saskatchewan River
Amphib-ians	Ranidae	<i>Rana pipiens</i>	Northern Leopard Frog	S3	Special Concern	Special Concern	Streams or larger ponds (wintering). Temporary ponds (breeding season).	6a, 7a, 7b, 7c, 8a, 8b, 8c, 8d, 9a, Lake, River, Flooded, Riparian
Birds	Anatidae	<i>Bucephala islandica</i>	Barrow's Goldeneye	S2N	Special Concern	Special Concern	Lakes, rivers, ponds, backwaters bordered by deciduous trees	Lake, River, Flooded, Riparian
	Anatidae	<i>Cygnus buccinator</i>	Trumpeter Swan	S3B	-	Not at Risk	Lakes and large wetlands	Lake,
		<i>Melanitta nigra</i>	Black Scoter	S2M	-	-	Large deepwater lakes	Lake,
	Caprimulgidae	<i>Caprimulgus vociferus</i>	Whip-poor-will	S3B	-	Threatened	Semi-open or patchy pine and oak forests. Mixed woods near openings (wintering months)	1a.M, 2a, 2b, 2e, 3b, 4c, 5b,
	Ardeidae	<i>Ardea herodias</i>	Great Blue Heron	S3B	-	-	Nests in trees close to wetlands	8a, 8b, 9a, Lake, River, Flooded, Riparian
	Cathartidae	<i>Cathartes aura</i>	Turkey Vulture	S2S3B, S2M, S2N	-	-	Open country or shorelines	1b, 1c, River, Riparian
	Falconidae	<i>Falco mexicanus</i>	Prairie Falcon	S3B, S3M, S3N	-	Not at Risk	River canyons and valleys (breeding). Alpine meadows, open fields, grasslands and sagebrush flats (migration)	1b, 1c, River, Riparian
		<i>Falco peregrinus</i>	Peregrine Falcon	S1B	Threatened	Special Concern	Lake shores, river valleys, urban areas, alpine meadows, river mouths and open fields	River, Riparian
	Gaviidae	<i>Gavia pacifica</i>	Pacific Loon	S3M	-	-	Large deep lakes	Lake,
		<i>Gavia stellata</i>	Red-throated Loon	S1B	-	-	Small and large sub-arctic lakes	Lake,
	Gruidae	<i>Grus americana</i>	Whooping Crane	SXB, S1M	Endangered	Endangered	Marshes, bogs and shallow lakes in black spruce, white spruces, tamarack and various ground cover forests.	7a, 7b, 7c, 8a, 8b, 8c, 8d, 9a, Lake, Flooded, Riparian
	Rallidae	<i>Coturnicops noveboracensis</i>	Yellow Rail	S3B, S2M	Special Concern	Special Concern	Sedge-dominated wetlands	7b, 7c, 8c, 8d,
	Laniidae	<i>Lanius excubitor</i>	Loggerhead Shrike	S3B	Threatened	Threatened	Open areas with shrublands and grasslands	1b, 1c, 3e, 4e, 4f,
	Parulidae	<i>Dendroica caerulescens</i>	Black-throated Blue Warbler	S2B	-	-	Deciduous and mixed wood forest	2b, 2c, 2d, 2e, 3a, 3b, 4a, 4b, 4c, 4d, 5a, 5b, 5c, 6a, 7a, 8a, 8b,
		<i>Oporomis agilis</i>	Connecticut Warbler	S2B	-	-	Open deciduous forests, mixed woods and bogs	2b, 2c, 2d, 3a, 3b, 4a, 4b, 4c, 5b, 6a, 7a, 8a, 8b,
	Thraupidae	<i>Piranga olivacea</i>	Scarlet Tanager	S1B	-	-	Deciduous forests	2c, 3a, 4a, 4b, 8b,
	Turdidae	<i>Myadestes townsendi</i>	Townsend's Solitaire	S3N, S3M	-	-	Spruce, sub-alpine fir and lodgepole pine forests	1a.M, 2a, 2b, 2e, 3b, 3c, 4c, 4d, 5a, 5b, 5c, 6a, 7a, 8a,
	Pelecanidae	<i>Pelecanus erythrorhynchos</i>	American White Pelican	S3B	-	Not at Risk	Large lakes or rivers	Lake, River, Riparian
	Picidae	<i>Melanerpes erythrocephalus</i>	Red-headed Woodpecker	S1B, S1M	Threatened	Threatened	Riparian deciduous forests	2c, 2d, 3a, 3b, 4a, 4b, 4c, 5b, 8b, Riparian
	Strigidae	<i>Aegolius funereus</i>	Boreal Owl	S3B, S3N	-	Not at Risk	Mature coniferous and mixed forests	2c, 2d, 2e, 3a, 3b, 3c, 4a, 4b, 4c, 5a, 5b, 5c, 6a, 7a, 8a,
		<i>Asio flammeus</i>	Short-eared Owl	S3B, S2N	-	Special Concern	Grasslands, wet meadows, and cleared forests	1a.R, 1b, 1c, 2a.R, 2b.R, 2c.R, 2d.R, 2e.R, 3a.R, 3b.R, 3c.R, 4a.R, 4b.R, 4c.R, 4d.R, 4f, 5a.R, 5b.R, 5c.R, 7c, 8d,
		<i>Megascops asio</i>	Eastern Screech-owl	S3B, S2N	-	-	Forests with natural nest cavities	1a.M, 2a, 2b, 2c, 2d, 2e, 3a, 3b, 3c, 4a, 4b, 4c, 4d, 4e, 5a, 5b, 5c, 6a, 7a, 8a,
		<i>Strix nebulosa</i>	Great Gray Owl	S3B, S3N	-	Not at Risk	Poplar or aspen within stands of spruce or pine are common breeding locations, as are tamarack in wetter sites	2b, 2d, 2e, 3b, 3c, 4c, 4d, 5b, 6a, 7a, 8a,
<i>Strix varia</i>		Barred Owl	S3B, S3N	-	-	Mature mixedwood forest	2d, 3b, 4c, 5b,	

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Group	Family	Scientific Name	Common Name	SKCDC Ranking	SARA Ranking	COSEWIC Ranking	Boreal Forest Habitat	Expected Habitat Classes
Mammal	Bovidae	Bison bison bison	Plains Bison	S3	-	Threatened	Grasslands, open meadows	
	Cervidae	Rangifer tarandus caribou	Woodland Caribou	S3	Threatened	Threatened	Mature, old-growth coniferous forests associated with marshes, bogs, lakes, and rivers.	
	Felidae	Puma concolor	Cougar	S2S3	-	-	Remote, wooded, rocky areas.	
Butterfly	Lycaenidae	Satyrium liparops aliparops	Striped Hairstreak (S)	S3	-	-	Deciduous forest openings and edges, prairie streambanks, shaded swamps, acid barrens, prairie copses.	1b, 1c, 3e, 4e, 4f, 7b, 7c, 8c, 8d, Riparian
	Nymphalidae	Chlosyne harrisii hanhami	Harris' Checkerspot	S2	-	-	Moist areas. Marshes, bog edges, pastures, and meadows.	1c, 4f, 7c, 8d, 9a, Flooded, Disturbed,
		Danaus plexippus	Monarch	S3B	-	Special Concern	Open habitats. Fields, meadows, weedy areas, marshes, and roadsides.	1b, 1c, 4f, 7c, 8d, 9a, Flooded, Disturbed,
		Satyroides Eurydice	Eyed Brown	S3	-	-	Open sedge meadows, marshes, slow-moving streams, cord grass swales.	4f, 7c, 8d, 9a, Flooded, Riparian
		Vanessa virginiesis	American Lady	S2	-	-	Open places with low vegetation. Dunes, meadows, parks, vacant lots, forest edges.	1b, 1c, 4f, 7c, 8d, 9a, Disturbed,
	Papilionidae	Papilio zelicaon	Anise Swallowtail	S3	-	-	Bare hills, mountains, gardens, fields, vacant lots, and roadsides.	1c, 4f, Disturbed,
	Pieridae	Pontia protodice	Checkered White Butterfly	S2	-	-	Dry weedy areas, vacant lots, fields, pastures, sandy areas, railroad beds, and roads.	1b, 1c, 4f, Disturbed,
Plants	Asteraceae	Anaphalis margaritacea	Pearly Everlasting	S2	-	-	Open woods in foothills and mountains	1a.M, 1a.R, 1b, 1c, 2a, 2a.R, 2b, 2b.R, 2c, 2c.R, 2d, 2d.R, 2e, 2e.R,
		Antennaria howellii ssp. neodioica	Tomentose Pussetoes	S2	-	-	Grasslands and open woods	1a.M, 1a.R, 1b, 1c, 2a, 2a.R, 2b, 2b.R, 2c, 2c.R, 2d, 2d.R, 2e, 2e.R,
		Arnica cordifolia	Heart-leaved Arnica	S3	-	-	Woodland	2b, 2c, 2d, 2e, 3a, 3b, 3c, 3e, 4a, 4b, 4c, 4d, 4e,
		Arnica lonchosphylla	Spear-leaved Arnica	S2S3	-	-	Sandy or gravelly river banks, shores, and dry open slopes	1b, 1c, Riparian
		Aster modestus	Large Northern Aster	S2	-	-	Moist woods and boggy ground	5a, 5b, 5c, 8a, 8b, 8c, 8d,
		Bidens frondosa	Tall Beggar's-ticks	S2S3	-	-	Moist ground and ditches. Wet or occasionally rather dry waste places	8c, 8d, 9a, Flooded,
		Cirsium drummondii	Short-stemmed Thistle	S3	-	-	Open deciduous woods, clearings, meadows	1b, 1c, 2b, 2b.R, 2c, 2c.R, 2d, 2d.R, 4f, 8c, 8d, Disturbed,
		Cirsium muticum	Swamp Thistle	S2	-	-	Wet soils in meadows, prairies, marshes, bogs, swamps, and open woods.	6a, 7a, 7b, 7c, 8a, 8b, 8c, 8d,
		Erigeron hyssopifolius	Hyssop-leaved Fleabane	S2	-	-	Shores, banks and ledges. Calcareous ledges, talus and gravelly shores, in fens and wet openings in coniferous forests.	7a, 7b, 7c, 8a, 8b, 8c, 8d, Riparian
		Erigeron strigosus	White-top	S2S3	-	-	General dry places	1a.M, 1a.R, 1b, 1c, 2a, 2a.R, 2b, 2b.R, 2c, 2c.R, 2d, 2d.R, 2e, 2e.R,
		Lactuca biennis	Tall Blue Lettuce	S2	-	-	Moist woods and clearings, in swampy/seepage sites	3e, 4a, 4b, 4c, 4d, 4e, 4f, 5a, 5b, 5c, 6a, 8a, 8b, 8c,
		Megalondonta beckii var. beckii	Water Marigold	S1S2	-	-	Lakes and slow moving streams	9a, Lake, Flooded,
		Prenanthes alba	White Lettuce	S2	-	-	Moist woods	3e, 4a, 4b, 4c, 4d, 4e, 4f, 5a, 5b, 5c, 6a,
		Senecio streptanthifolius	Northern Groundsel	S1S2	-	-	Moist and dry meadows, open coniferous forests, and on shores.	1a.M, 1b, 1c, 2a, 2b, 2c, 2d, 2e, 3a, Riparian
		Trimorpha elata	Tall White Fleabane	S2	-	-	Open moist areas	7b, 7c, 8a, 8b, 8c, 8d, 9a, Flooded,
	Campanulaceae	Campanula aparinoides	Marsh Bellflower	S2S3	-	-	Marshes	7b, 7c, 8c, 8d, 9a, Flooded, Riparian
Lobelia dortmanna		Water Lobelia	S2S3	-	-	Shallow water in ponds, lakes, and on sandy shores. Gravelly, silty, or muddy bottoms submersed but with flower above water level.	9a, Lake, Flooded, Riparian	

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	Brassicaceae	Cardamine parviflora var. arenicola	Sand Bitter-cress	S1	-	-	Sandy ground and dry, open, mixed woodland. Seepage areas and rocky outcrops, rocky/sandy shores, solifluction soil and scree slopes	1a.M, 1a.R, 1b, 1c, 2a, 2b, 2c, 2d, 2e, Riparian
		Cardamine pratensis	Cuckooflower	S2	-	-	Moist meadows and swamps. Calcareous shallow water, springs and swampy woods, and calcareous meadows and thickets.	7a, 7b, 7c, 8a, 8b, 8c, 8d, 9a, Flooded,
		Subularia aquatica var. Americana	Water Awlwort	S3	-	-	Shorelines	Riparian
	Caryophyllaceae	Minuartia rubella	Boreal Sandwort	S2	-	-	Dry, sandy, gravelly open areas.	1b, 1c,
		Silene antirrhina	Sleepy Catchfly	S1S2	-	-	Dry open areas	1b, 1c,
		Silene menziesii	Mezies' Catchfly	S3	-	-	Open Woodlands and clearings	1a.M, 1a.R, 1b, 1c, 3e, 4e, 4f, Disturbed,
		Spergularia canadensis var. occidentalis	Western Canada Sand-spurry	S1	-	-	Disturbed marshy areas	7c, 8d, 9a, Flooded,
		Stellaria longipes var. subvestita	Hairy Long-stalked Stitchwort	S2	-	-	Dry to moist open areas, open woodlands, and alpine slopes	3e, 4e, 4f, 7b, 7c, 8c, 8d, Flooded,
Adoxaceae	Adoxa moschatellina	Musk-root	S3	-	-	Moist woods and thickets	4a, 4b, 4c, 4d, 4e, 4f, 5a, 5b, 5c, 6a, 8a, 8b, 8c,	
	Caprifoliaceae	Diervilla lonicera	Northern Bush-honeysuckle	S3	-	-	Dry, rocky, sandy, slightly acidic woods	2a, 2b, 2c, 2d, 2e,
		Lonicera oblongifolia	Swamp Fly Honeysuckle	S2	-	-	Wet-woods, treed fens	5a, 5b, 5c, 6a, 7a, 7b, 8a, 8b,
		Sambucus racemosa ssp. pubens	Red Elderberry	S3	-	-	Moist woods	3a, 3b, 3c, 3e, 4a, 4b, 4c, 4d, 4e,
	Ericaceae	Andromeda polifolia var. glaucophylla	Glaucous-leaved Bog-rosemary	S2	-	-	Fens and bogs	6a, 7a, 7b, 7c,
		Arctostaphylos rubra	Red Alpine Bearberry	S3	-	-	Wet mossy forests, muskeg, and tundra	5a, 5b, 5c, 6a, 7a, 7b, 8a, 8b,
		Ledum plaustre ssp. decumbens	Narrow-leaved Labrador Tea	S2S3	-	-	Rocky, peaty, heaths	6a,
		Chimaphila umbellata ssp. occidentalis	Western Prince's-pine	S2S3	-	-	Dry woods	1a.M, 2a, 2b, 2c, 2d, 2e,
Fabaceae	Oxytropis campestris	Late Yellow Locoweed	S1	-	-	Open woods, moist thickets, banks, shores, and gravel bars	1b, 1c, Riparian	
Gentianaceae	Gentianopsis procera ssp. procera	Narrow-leaved Fringed Gentian	S2	-	-	Moist open areas.	7b, 7c, 8c, 8d, Riparian	
Balsaminaceae	Geranium carolinianum var. sphaerospermum	Carolina Wild Geranium	S2S3	-	-	Clearings and disturbed sites. Granite outcrops and in dry, rocky woods often with sandy soil.	1b, 1c, Disturbed,	
	Haloragaceae	Myriophyllum alterniflorum	Alternate-flowered Water Milfoil	S1	-	-	Lakes, ponds, sloughs, and slow moving streams	9a, Lake, Flooded,
		Myriophyllum verticillatum	Whorled Water-milfoil	S3	-	-	Ponds and quiet streams	9a, Lake, River, Flooded,
Lamiaceae	Scutellaria lateriflora var. lateriflora	Mad Dog Skullcap	S3	-	-	Wet meadows, swamps, marshes, swales and streambanks.	7c, 8d, 9a, Flooded,	
	Droseraceae	Drosera anglica	English Sundew	S3	-	-	Fens and pond edges	6a, 7a, 8a,
		Drosera linearis	Slenderleaf Sundew	S1	-	-	Fens and pond edges	6a, 7a, 8a,
Nymphaeaceae	Nymphaea leibergii	Small White Water-lily	S2	-	-	Quiet streams, ponds and lakes, usually in deep water	Lake,	
Plantaginaceae	Plantago maritime	Seaside Plantain	S1	-	-	Saline marshes and alkaline soil	9a, Flooded, Riparian	
Ploygalaceae	Polygala paucifolia	Pink Fringed Milkwort	S2S3	-	-	Moist coniferous or mixed woods	3a, 3b, 3c, 3e, 4a, 4b, 4c, 4d, 4e, 5a, 5b, 5c,	
	Polygonaceae	Polygonum punctatum var. confertiflorum	Dotted Water Smartweed	S1	-	-	Moist shorelines	Riparian
		Polygonum scandens	Climbing False-buckwheat	S2	-	-	Clearings and shores	Disturbed, Riparian
		Polygonum viviparum	Alpine Bistort	S1S2	-	-	Moist woods and meadows	4f, 5a, 5b, 5c,
	Primulaceae	Primula mistassinica	Bird's-eye Primrose	S3	-	-	Moist ground, saline meadows and shores	Riparian
		Trientalis europaea ssp. artica	Arctic Starwort	S1	-	-	Moist, mossy forests	5a, 5b, 5c, 6a, 7a, 8a, 8b,
	Ranunculaceae	Anemone parviflora	Small-flowered Anemone	S1	-	-	Spruce woods along river flats	4d, 5a, 5b, 5c, Riparian
		Anemone quinquefolia	Wood Anemone	S2	-	-	Thickets, open hillsides, aspen and mixed woods, clearings, sandy stream sides and riverbanks	3a, 3b, 3c, 3e, 4a, 4b, 4c, 4d, 4e, 4f, 5a, 5b, 5c, Riparian
		Anemone richarsonii	Yellow Anemone	S1	-	-	Wet meadows, moist thickets and	3e, 4e, 4f, 7a, 7b, 7c, 8a, 8b, 8c, 8d,

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							swamp	
		<i>Clematis occidentalis</i> var. <i>grosseserrata</i>	Clematis	S2	-	-	Open woods	2a, 2b, 2c, 2d, 2e, 3a, 3b, 3c, 4a, 4b, 4c, 4d, 5a, 5b, 5c,
		<i>Delphinium glaucum</i>	Tall Larkspur	S1S2	-	-	Moist open woods, thickets, meadows, and streambanks	4a, 4b, 4c, 4d, 4e, 4f, 8a, 8b, 8c, 8d, Riparian
		<i>Ranunculus hyperboreus</i>	Northern Buttercup	S1	-	-	Ponds and lakes	9a, Lake, Flooded,
		<i>Ranunculus pedatifidus</i> var. <i>affinis</i>	Northern Buttercup	S2?	-	-	Moist meadows to alpine elevations	4f, 7c, 8d,
		<i>Thalictrum occidentale</i>	Western Meadow-rue	S1S2	-	-	Waste ground, ditches	Disturbed,
	Grossulariaceae	<i>Ribes oxyacanthoides</i> ssp. <i>setosum</i>	Bristly Gooseberry	S2	-	-	Open woods and exposed, rocky sites.	3a, 3b, 3c, 3e, 4a, 4b, 4c, 4d, 4e, 5a, 5b, 5c, 6a, 8a, 8b,
	Rosaceae	<i>Potentilla multifida</i>	Cut-leaved Cinquefoil	S2	-	-	Gravel bars, open slopes	Riparian
		<i>Potentilla pensylvanica</i> var. <i>litoralis</i>	Smooth Cinquefoil	S2S3	-	-	Grassy meadows and rocky slopes	1c, 4f,
		<i>Prunus pumila</i> var. <i>besseyi</i>	Sand Cherry	S1	-	-	Sandy soils, woodland edges, stream valleys, roadsides.	1a.M, 1a.R, 1b, 1c, Disturbed,
		<i>Sorbus scopulina</i> var. <i>scopulina</i>	Cascade Mountain Ash	S2	-	-	Woods and moist open slopes.	3a, 3b, 3c, 3e, 4a, 4b, 4c, 4d, 4e,
	Saxifragaceae	<i>Chrysosplenium iowense</i>	Iowa Golden Saxifrage	S1?	-	-	Moist, shady sites with rich soil in wetlands	7b, 7c, 8a, 8b, 8c, 8d, 9a, Flooded, Disturbed,
		<i>Parnassia glauca</i>	Glaucous Grass-of-parnassus	S2	-	-	Bogs, meadows, and shorelines	6a, 7a, 7b, 7c, 8a, 8b, 8c, 8d, 9a, Riparian
		<i>Saxifraga pensylvanica</i>	Swamp Saxifrage	S1	-	-	Wet meadows, boggy thickets, swamps,	6a, 7a, 7b, 7c, 8a, 8b, 8c, 8d,
	Salicaceae	<i>Salix planifolia</i> ssp. <i>tyrrellii</i>	Tyrrell's Willow	S2	-	Not at Risk	Fens, moist coniferous woods, forest openings, lakeshores, and streambanks	3c, 4d, 5a, 5b, 5c, 6a, 7a, 7b, 8a, 8b, 8c, Riparian
	Viscaceae	<i>Arceuthobium pusillum</i>	Dwarf Mistletoe	S1	-	-	Spruce trees	1a.M, 1a.R, 2a, 2a.R, 2b, 2b.R, 2e, 2e.R,
	Lentibulariaceae	<i>Pinguicula villosa</i>	Hairy Butterwort	S2S3	-	-	Bogs on sphagnum hummocks and at the edges of pools and rivulets.	6a, 7a, 7b,
		<i>Pinguicula vulgaris</i>	Common Butterwort	S2S3	-	-	Moist sites with calcium rich soils and/or near water	Riparian
		<i>Utricularia minor</i>	Lesser Bladderwort	S2S3	-	-	Shallow ponds or in the mud of peatland and shores.	9a, Lake, Flooded,
	Scrophulariaceae	<i>Castilleja coccinea</i>	Scarlet Paintbrush	S1	-	-	Meadows, roadsides	1c, 4f, Disturbed,
		<i>Euphrasia subarctica</i>	Artic Eyebright	S1S2	-	-	Moist and open ground	1c, 4f,
		<i>Mimulus ringens</i> var. <i>ringens</i>	Blue Monkey Flower	S1	-	-	Swamps and streams	8a, 8b, 8c, 8d, Riparian
		<i>Pedicularis groenlandica</i>	Elephant-head	S1S2	-	-	Fens, streambanks, and wet meadows.	7a, 7b, 7c, 8a, 8b, 8c, 8d, 9a, Riparian
		<i>Pedicularis macrodonta</i>	Purple Lousewort	S2	-	-	Fens and wet meadows	7a, 7b, 7c, 8a, 8b, 8c, 8d,
		<i>Rhinanthus minor</i>	Yellow-rattle	S2S3	-	-	Meadows and open woodland	1c, 3e, 4e, 4f, Disturbed,
	Solanaceae	<i>Leucophysalis grandiflora</i>	Large White-flowered Ground-cherry	S2	-	-	Waste ground and roadsides, generally sandy.	Disturbed,
	Elatinaceae	<i>Elatine rubella</i>	Mud Purslane	S2	-	-	Wet ditches, mudflats, and shallow ponds	9a, Flooded,
	Violaceae	<i>Viola conspersa</i>	American Bog Violet	S1	-	-	Moist woods and meadows	5a, 5b, 5c, 6a, 7a, 7b, 7c, 8a, 8b, 8c, 8d,
		<i>Viola labradorica</i>	Labrador Violet	S1	-	-	Moist meadows and forests	4a, 4b, 4c, 4d, 5a, 5b, 5c, 6a, 8b, 8c,
		<i>Viola macloskeyi</i> ssp. <i>pallens</i>	Northern White Violet	S1	-	-	Wet ground in moist woods	4a, 4b, 4c, 4d, 4e, 4f, 5a, 5b, 5c, 8a, 8b,
		<i>Viola pedatifida</i>	Crowfoot	S3	-	-	Dry gravelly hills and exposed banks in prairie grassland	1a.M, 1a.R, 1b, 1c, 2a, 2a.R, 2b, 2b.R, 2c, 2c.R, 2d, 2d.R, 2e, 2e.R,
		<i>Viola pubescens</i> var. <i>leiocarpon</i>	Smooth Yellow Violet	S1	-	-	Woodlands	1a.M, 2a, 2b, 2c, 2d, 2e, 3a, 3b, 3c, 4a, 4b, 4c, 4d, 4e, 5a, 5b, 5c,
		<i>Viola selkirkii</i>	Great-spurred Violet	S2S3	-	-	Moist forests	4a, 4b, 4c, 4d, 4e, 5a, 5b, 5c,
		<i>Viola septentrionalis</i>	Northern Blue Violet	S1?	-	-	Moist meadows and woods	4a, 4b, 4c, 4d, 4e, 4f, 5a, 5b, 5c,
		<i>Viola sororia</i>	Downy Blue Violet	S1?	-	-	Moist woods, swamps	4a, 4b, 4c, 4d, 5a, 5b, 5c, 8a, 8b, 8c, 8d,
	Lemnaceae	<i>Wolffia arrhiza</i>	Rootless Water-meal	S1	-	-	Beaver ponds in hummocky moraines. Moderately to extremely nutrient-rich ponds.	9a, Flooded,
	Cyperaceae	<i>Carex abdita</i>	Hidden Sedge	S2	-	-	Sand or gravelly ground, rock crevices,	1a.M, 1b, 1c, Riparian

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Group	Family	Scientific Name	Common Name	SKCDC Ranking	SARA Ranking	COSEWIC Ranking	Boreal Forest Habitat	Expected Habitat Classes
		<i>Carex alopecoidea</i>	Foxtail Sedge	S2	-	-	moist shorelines Wet meadows, openings in alluvial woods, calcareous streambanks	Riparian
		<i>Carex arcta</i>	Bear Sedge	S1	-	-	Marshes, fens, and swamps	7a, 7b, 7c, 8a, 8b, 8c, 8d, 9a,
		<i>Carex buxbaumii</i>	Brown Sedge	S2	-	-	Fens	7a, 7b, 7c,
		<i>Carex cristatella</i>	Small-crested Sedge	S1	-	-	Moist/wet meadows, marshes, thickets, stream banks, ditches.	7b, 7c, 8c, 8d, 9a, Flooded,
		<i>Carex cryptolepis</i>	Yellow Sedge	S1	-	-	Acidic, sandy, or organic substrates in open, emergent shorelines	Riparian
		<i>Carex echinata</i> ssp. <i>echinata</i>	Prickly Sedge	S1	-	-	Fens, seepage areas, and wet meadows.	7a, 7b, 7c, 8a, 8b, 8c, 8d,
		<i>Carex garberi</i>	Garber's sedge	S2	-	-	Calcium rich meadows and shores	7c, 8d, Riparian
		<i>Carex heleonastes</i>	Hudson Bay Sedge	S2	-	-	Wet, Calcareous sites. Fens and marshes	7b, 7c, 9a, Flooded,
		<i>Carex hoodii</i>	Hood's Sedge	S2	-	-	Dry to moist open slopes	4f, 7c,
		<i>Carex hystericina</i>	Porcupine Sedge	S2	-	-	Shady sites on mucky soils	7b, 7c, 9a, Flooded,
		<i>Carex laxiflora</i> var. <i>varians</i>	Pleasing Sedge	S1	-	-	Open woodlands	1a.M, 2a, 2b, 2c, 2d, 2e, 3a, 3b, 3c, 4a, 4b, 4c, 4d, 4e, 5a, 5b, 5c,
		<i>Carex mackenziei</i>	Mackenzie Sedge	S1	-	-	Shoreline	Riparian
		<i>Carex pachystachya</i>	Thick-spike Sedge	S3	-	-	Moist to wet, open meadows, strands along lakeshores, forest edges	4f, 7b, 7c, 8c, 8d, 9a,
		<i>Carex pauciflora</i>	Few-flowered Sedge	S2	-	-	Sphagnum bogs	6a, 7a, 7b,
		<i>Carex pedunculata</i>	Long-stalked Sedge	S1	-	-	Rich dry woods	3a, 3b, 3c,
		<i>Carex petasata</i>	Caespitose Sedge	S2	-	-	Dry grassland and open woods. Grassland, sagebrush scrub, and dry meadows.	1a.M, 1b, 1c, 2a, 2b, 2c, 2d,
		<i>Carex projecta</i>	Necklace Sedge	S1	-	-	Stream banks, moist depressions in mixed and deciduous forests, moist to wet grasslands, meadows, thickets, shores, and ditches.	3e, 4e, 4f, 8d, 9a, Flooded, Riparian
		<i>Carex pseudocyperus</i>	Cyperus-like Sedge	S2S3	-	-	Swamps and marshes	7b, 7c, 8a, 9a, Flooded,
		<i>Carex trisperma</i>	Three-fruited sedge	S2	-	-	Wet forests, swamps, bogs, and fens.	4d, 4e, 4f, 5a, 5b, 5c, 6a, 8a, 8b, 8c,
		<i>Carex vulpinoidea</i>	Fox Sedge	S2	-	-	Non-saline, non-acidic soils; swamps and wet meadows	7a, 7b, 7c, 8a, 8b, 8c, 8d, 9a,
		<i>Eleocharis elliptica</i>	Slender Spike-rush	S2	-	-	Wet places usually neutral or calcareous conditions	9a, Flooded,
		<i>Eleocharis elliptica</i> var. <i>elliptica</i>	Flat-stemmed Spike-rush	S2	-	-	Marshy places and sandy shores.	9a, Flooded, Riparian
		<i>Eleocharis nitida</i>	Neat Spike-rush	S2	-	-	Damp, rocky or sandy sites.	Riparian
		<i>Rhynchospora alba</i>	White Beaked-rush	S2S3	-	-	Fens and wet peaty soil.	6a, 7a, 7b,
		<i>Rhynchospora capillacea</i>	Hair-like Beaked Rush	S2	-	-	Calcareous bogs	7a, 7b,
		<i>Scirpus clintonii</i>	Clinton's Bulrush	S1	-	-	Calcareous fens	7a, 7b, 7c, 9a,
		<i>Scirpus rufus</i>	Red Bulrush	S2	-	-	Saline marshes	9a, Flooded,
	Poaceae	<i>Agrostis mertensii</i>	Northern Bent-grass	S1S2	-	-	Moist alpine slopes.	7b, 7c, 8c, 8d,
	Poaceae	<i>Calamagrostis lapponica</i>	Lapland Reed-grass	S2S3	-	-	Moist to dry, gravelly alpine slopes and ridges. Stable dunes and on peaty soil in open heath or muskeg.	6a, 7a, 7b,
	Poaceae	<i>Calamagrostis purpurascens</i>	Purple Reed-grass	S2	-	-	Dry, open woodlands, clearings, hillsides and ridges	1a.M, 1a.R, 1b, 1c, 2a, 2a.R, 2b, 2b.R, 2e, 2e.R,
	Poaceae	<i>Calamagrostis rubescens</i>	Pine Grass	S2	-	-	Open woods and banks	1a.M, 1a.R, 1b, 1c, 2a, 2a.R, 2b, 2b.R, 2c, 2c.R, 2d, 2d.R, 2e, 2e.R,
	Poaceae	<i>Elymus diversiglumis</i>	Various-glumed Wild Rye	S2	-	-	moist to dry, often base-rich and alluvial soils, in open woods and thickets	4a, 4b, 4c, 4d, 4e,
	Poaceae	<i>Elymus mollis</i>	Sea Lyme-grass	S2	-	-	Sand dunes.	1c,
	Poaceae	<i>Festuca branchyphylla</i> ssp. <i>branchyphylla</i>	Short-leaf Fescue	S1S2	-	-	Alpine slopes	1c,

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		<i>Milium effusum</i> var. <i>cisatlanticum</i>	Tall Millet-grass	S1	-	-	Moist open woodlands	4a, 4b, 4c, 4d, 4e, 4f,
		<i>Muhlenbergia andina</i>	Foxtail Muhly	S1	-	-	Wet meadows or streambanks	7c, Riparian
		<i>Oryzopsis canadensis</i>	Canadian Mountain-ricegrass	S2	-	-	Open woods and on hillsides.	1a.M, 1b, 1c, 2a, 2b, 2c, 2d, 2e,
		<i>Stipa richardsonii</i>	Richardson's Speargrass	S2	-	-	Foothills grassland and open woods.	1b, 1c,
	Hydrocharitaceae	<i>Elodea canadensis</i>	Canada Waterweed	S2S3	-	-	Sloughs, ponds, and lakes.	9a, Lake, Flooded,
	Juncaceae	<i>Juncus nevadensis</i> var. <i>nevadensis</i>	Nevada Rush	S2	-	-	Shorelines and other wet sites	9a, Flooded, Riparian
	Juncaceae	<i>Juncus stygius</i> ssp. <i>americanus</i>	Moor Rush	S1S2	-	-	Fens. Mossy areas around -springs and seepages.	7a, 7b, 7c, 8a, 8b, 8c, 8d,
	Juncaceae	<i>Luzula acuminata</i> var. <i>acuminata</i>	Hairy Wood rush	S1S2	-	-	Open moist areas	4f, 7b, 7c, 8c, 8d,
	Juncaceae	<i>Luzula multiflora</i>	Many-flowered Woodrush	S2	-	-	Dry to moist meadows, clearings, and forest openings an on turfy shores and pond edges	1b, 1c, 4f, 7b, 7c, 8c, 8d,
	Juncaceae	<i>Luzula multiflora</i> ssp. <i>multiflora</i>	Many-flowered Woodrush	S2	-	-	Low meadows and damp open woods.	4f, 7b, 7c, 8c, 8d,
	Liliaceae	<i>Allium cernuum</i>	Nodding Onion	S1S2	-	-	Parkland prairies, open slopes, thickets, rock slides	1b, 1c,
	Liliaceae	<i>Allium schoenoprasum</i> var. <i>sibiricum</i>	Wild Chives	S2	-	-	Wet meadows, banks and shores	7c, Riparian
	Liliaceae	<i>Lilium philadelphicum</i> var. <i>andinum</i> f. <i>immaculate</i>	Immaculate Lilly	S1	-	-	Open woodlands and prairie	1b, 1c, 2a, 2b, 2c, 2d, 2e, 3a, 3b, 3c, 3e, 4a, 4b, 4c, 4d, 4e, 4f,
	Liliaceae	<i>Lilium philadelphicum</i> var. <i>philadelphicum</i>	Eastern Red Wood Lily	S1	-	-	Moist meadows, ditches, thickets, and open deciduous wood	1b, 1c, 2a, 2b, 2c, 2d, 2e, 3a, 3b, 3c, 3e, 4a, 4b, 4c, 4d, 4e, 4f,
	Liliaceae	<i>Streptopus amplexifolius</i> var. <i>amplexifolius</i>	Clasping-leaf Twisted-stalk	S2S3	-	-	Moist woods and thickets	3a, 3b, 3c, 3e, 4a, 4b, 4c, 4d, 4e,
	Liliaceae	<i>Trillium cernuum</i>	Nodding Trillium	S2S3	-	-	Damp, peaty, mostly conifer woods	5a, 5b, 5c, 6a, 7a, 8a,
	Najadaceae	<i>Najas flexilis</i>	Flexible Naiad	S2	-	-	Ponds and streams. Clear, shallow to deep fresh or brackish water.	9a, Lake, Flooded,