

Yukon Wetland Classification Standards

Wetland Indicator Species List

April 2026



Yukon Wetland Classification Standards: Wetland Indicator Species List

Government of Yukon
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Author[s]

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Disclaimer

The Wetland Indicator Species List was developed using best available data at the time of analysis. All taxonomic groups, except for liverworts, were identified by external taxonomic experts. It is possible that a user will encounter wetland indicator species which are not present on this list. This list may be updated periodically to reflect new knowledge regarding wetland plant communities. Omissions or errors to this species list can be directed to the Ecological Landscape Classification Coordinator by email, elc@yukon.ca

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Summary

The Yukon Wetland Plant Indicator List categorizes both vascular and non-vascular plants in the Yukon according to their wetland affiliation or indicator status. This classification is a diagnostic criterion for identifying wetlands within the Yukon wetland classification system. The list includes all known vascular plants in the Yukon as of December 2021, with species grouped into physiognomic categories: vascular species are presented in Tables 2 to 9 and non-vascular species in Tables 10 to 12.

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Table of contents

Summary	iii
Table of contents	v
List of tables	vi
Wetland indicator species	1
Indicator status	1
Indicator species tables	2
References.....	95
Appendix	96
Community structure	96

List of tables

Table 1.	Indicator status and definitions used to assign vascular and non-vascular species a likelihood of occurrence in wetland and non-wetland environments following the U.S. Army Corps of Engineers (2021) and Reed (1988).	1
Table 2.	Tree wetland indicator species.	2
Table 3.	Tall shrub wetland indicator species.	3
Table 4.	Medium shrub wetland indicator species.	4
Table 5.	Low shrub wetland indicator species.	7
Table 6.	Ground shrub wetland indicator species.	7
Table 7.	Forb wetland indicator species.	10
Table 8.	Fern and fern ally wetland indicator species.	47
Table 9.	Graminoid wetland indicator species.	50
Table 10.	Lichen wetland indicator species.	64
Table 11.	Moss wetland indicator species.	80
Table 12.	Lichen wetland indicator species.	91

Wetland indicator species

The Yukon Wetland Plant Indicator List categorizes both vascular and non-vascular plants in the Yukon according to their wetland affiliation or indicator status. This classification is a diagnostic criterion for identifying wetlands within the Yukon wetland classification system. The list includes all known vascular plants in Yukon as of December 2021, with species grouped into physiognomic categories: vascular species are presented in Tables 2 to 9 and non-vascular species in Tables 10 to 12.

Indicator status

A wetland indicator status rating categorizes plants based on their likelihood of occurring in wetlands, ranging from almost always (99%) to almost never (1%). Table 1 provides definitions for each indicator status, following methodologies from the U.S. Army Corps of Engineers (2021) and Reed (1988), to assign a likelihood of occurrence in wetland and non-wetland environments to each vascular and non-vascular species. As species presence or absence can be an important diagnostic tool for distinguishing between wetland and upland environments, all known vascular species in Yukon have been included.

Table 1. Indicator status and definitions used to assign vascular and non-vascular species a likelihood of occurrence in wetland and non-wetland environments following the U.S. Army Corps of Engineers (2021) and Reed (1988).

Status	Definition
Obligate	Almost always occurs in wetlands (estimated probability > 99%) under natural conditions.
Facultative wetland	Usually occur in wetlands (estimated probability 67 to 99%) but occasionally found in non-wetlands (estimated probability 1% to 33%).
Facultative	Equally likely to occur in wetlands or non-wetlands (estimated probability 34 to 66%).
Facultative upland	Usually occur in non-wetlands (estimated probability 67 to 99%) but are occasionally found in wetlands (estimated probability 1% to 33%).
Upland	Almost always occurs in non-wetlands (estimated probability > 99%) under natural conditions.

Indicator species tables

Table 2. Tree wetland indicator species.

Status	Scientific name	English name
Facultative wetland	<i>Larix laricina</i>	tamarack
Facultative	<i>Picea glauca</i>	white spruce
	<i>Picea mariana</i>	black spruce
	<i>Pinus contorta</i>	lodgepole pine
	<i>Pinus contorta</i> var. <i>latifolia</i>	lodgepole pine
Facultative upland	<i>Abies lasiocarpa</i>	subalpine fir
	<i>Acer negundo</i>	Manitoba maple
	<i>Betula neoalaskana</i>	Alaska paper birch
	<i>Betula papyrifera</i>	paper birch
	<i>Populus balsamifera</i>	balsam poplar
	<i>Populus tremuloides</i>	trembling aspen
	<i>Populus trichocarpa</i>	black cottonwood

Table 3. Tall shrub wetland indicator species.

Status	Scientific name	English name
Facultative wetland	<i>Salix discolor</i>	pussy willow
	<i>Salix lasiandra</i>	Pacific willow
Facultative	<i>Betula occidentalis</i>	water birch
Facultative upland	<i>Salix bebbiana</i>	Bebb's willow
	<i>Salix scouleriana</i>	Scouler's willow



Pacific willow (*Salix lasiandra*)

Table 4. Medium shrub wetland indicator species.

Status	Scientific name	English name
Obligate	<i>Myrica gale</i>	sweet bayberry
	<i>Salix candida</i>	sage willow
	<i>Salix pedicellaris</i>	bog willow
	<i>Salix serissima</i>	autumn willow
Facultative wetland	<i>Betula pumila</i>	bog birch
	<i>Salix arbusculoides</i>	little-tree willow
	<i>Salix barrattiana</i>	Barratt willow
	<i>Salix farriae</i>	Farr's willow
	<i>Salix interior</i>	sandbar willow
	<i>Salix myrtillifolia</i>	low blueberry willow
	<i>Salix prolixia</i>	Mackenzie's willow
	<i>Salix pyrifolia</i>	balsam willow
	<i>Salix richardsonii</i>	Richardson's willow
<i>Toxicodendron rydbergii</i>	northern poison Ivy	
Facultative	<i>Alnus alnobetula</i>	green alder
	<i>Alnus alnobetula</i> ssp. <i>crispa</i>	green alder
	<i>Alnus alnobetula</i> ssp. <i>sinuata</i>	Sitka alder
	<i>Alnus incana</i>	river alder
	<i>Alnus incana</i> ssp. <i>tenuifolia</i>	grey alder
	<i>Betula glandulosa</i>	glandular shrub birch
	<i>Betula nana</i>	Arctic dwarf birch
	<i>Betula x dugleana</i>	Dugle's birch
	<i>Dasiphora fruticosa</i>	shrubby cinquefoil
	<i>Elaeagnus commutata</i>	wolf willow

Table 4 continues next page

Status	Scientific name	English name
	<i>Lonicera dioica</i>	climbing honeysuckle
	<i>Ribes glandulosum</i>	skunk currant
	<i>Ribes hudsonianum</i>	northern black currant
	<i>Ribes lacustre</i>	black gooseberry
	<i>Ribes triste</i>	wild red currant
	<i>Salix alaxensis</i>	Alaska willow
	<i>Salix alaxensis</i> var. <i>alaxensis</i>	Alaska willow
	<i>Salix alaxensis</i> var. <i>longistylis</i>	glaucous Alaska willow
	<i>Salix barclayi</i>	Barclay's willow
	<i>Salix brachycarpa</i>	short-capsuled willow
	<i>Salix commutata</i>	under-green willow
	<i>Salix hastata</i>	halfbred willow
	<i>Salix monticola</i>	park willow
	<i>Salix planifolia</i>	tea-leaved willow
	<i>Salix pseudomyrsinites</i>	tall blueberry willow
	<i>Salix pulchra</i>	diamond-leaved willow
	<i>Salix raupii</i>	Raup's willow
	<i>Salix setchelliana</i>	Setchell's willow
<i>Vaccinium ovalifolium</i>	oval-leaved huckleberry	
Facultative upland	<i>Clematis tangutica</i>	golden clematis
	<i>Cornus sericea</i>	red osier dogwood
	<i>Lonicera involucrata</i>	bracted honeysuckle
	<i>Oplopanax horridus</i>	devil's club
	<i>Ribes laxiflorum</i>	railing black currant
	<i>Rosa acicularis</i>	prickly rose

Table 4 continues next page

Status	Scientific name	English name
	<i>Rosa acicularis</i> ssp. <i>sayi</i>	Say's prickly rose
	<i>Rubus idaeus</i>	red raspberry
	<i>Rubus idaeus</i> ssp. <i>strigosus</i>	American red raspberry
	<i>Salix athabascensis</i>	Athabasca willow
	<i>Salix drummondiana</i>	satiny salix
	<i>Salix glauca</i>	grey-leaved Willow
	<i>Salix glauca</i> var. <i>acutifolia</i>	sharp-pointed grey-leaved willow
	<i>Salix glauca</i> var. <i>villosa</i>	villous grey-leaved willow
	<i>Salix maccalliana</i>	MacCalla's willow
	<i>Sambucus racemosa</i> var. <i>arborescens</i>	coastal red elderberry
	<i>Shepherdia canadensis</i>	soapberry
	<i>Sorbus scopulina</i>	Greene's mountain-ash
	<i>Sorbus sitchensis</i>	Sitka mountain-ash
	<i>Spiraea stevenii</i>	Alaska spiraea
	<i>Viburnum edule</i>	highbush cranberry
Upland	<i>Amelanchier alnifolia</i>	saskatoon
	<i>Lonicera tatarica</i>	tatarian honeysuckle
	<i>Rosa woodsii</i>	Woods' rose
	<i>Salix niphoclada</i>	barren-ground willow

Table 5. Low shrub wetland indicator species.

Status	Scientific name	English name
Obligate	<i>Chamaedaphne calyculata</i>	leatherleaf
Facultative	<i>Rhododendron groenlandicum</i>	common Labrador tea
	<i>Rhododendron tomentosum</i>	northern Labrador tea
Upland	<i>Juniperus communis</i>	common juniper
	<i>Juniperus horizontalis</i>	creeping juniper



leatherleaf (*Chamaedaphne calyculata*)

Table 6. Ground shrub wetland indicator species.

Status	Scientific name	English name
Obligate	<i>Andromeda polifolia</i>	bog rosemary
	<i>Andromeda polifolia</i> var. <i>polifolia</i>	northern bog rosemary
	<i>Kalmia microphylla</i>	alpine bog laurel
	<i>Kalmia polifolia</i>	pale bog laurel
	<i>Vaccinium microcarpum</i>	small bog cranberry
	<i>Vaccinium oxycoccos</i>	bog cranberry
Facultative wetland	<i>Rubus chamaemorus</i>	cloudberry
	<i>Rubus pubescens</i>	dwarf red raspberry
	<i>Vaccinium cespitosum</i>	dwarf bilberry
Facultative	<i>Arctous rubra</i>	red bearberry
	<i>Empetrum nigrum</i>	black crowberry
	<i>Rhododendron lapponicum</i>	Lapland rosebay
	<i>Rubus arcticus</i> ssp. <i>acaulis</i>	Arctic raspberry
	<i>Rubus arcticus</i> ssp. <i>stellatus</i>	Beringian nagoonberry
	<i>Rubus pedatus</i>	five-leaved dwarf bramble
	<i>Salix reticulata</i>	net-veined willow
	<i>Salix stolonifera</i>	creeping willow
	<i>Vaccinium uliginosum</i>	bog blueberry
	<i>Vaccinium vitis - idaea</i>	lowbush cranberry
Facultative upland	<i>Arctous alpina</i>	alpine bearberry
	<i>Cassiope mertensiana</i>	white mountain heather
	<i>Cassiope tetragona</i>	Arctic white-heather

Table 6 continues next page

Status	Scientific name	English name
	Cassiope tetragona ssp. saximontana	Arctic bell-heather
	Cassiope tetragona ssp. tetragona	four-angled mountain-heather
	Dryas ajanensis	Ajan mountain avens
	Dryas alaskensis	Alaska mountain avens
	Dryas drummondii	Drummond's mountain avens
	Dryas hookeriana	Hooker's mountain avens
	Dryas incisa	crenulate-leaved mountain avens
	Dryas integrifolia	entire-leaved mountain avens
	Dryas integrifolia ssp. integrifolia	entire-leaved mountain avens
	Harrimanella stelleriana	Alaska moss-heather
	Linnaea borealis	twinflower
	Linnaea borealis ssp. borealis	twinflower
	Linnaea borealis ssp. longiflora	long-tube twinflower
	Phyllodoce empetriformis	pink mountain heather
	Salix arctica	Arctic willow
	Salix polaris	polar willow
Sibbaldia procumbens	creeping sibbaldia	
Upland	Arctostaphylos uva - ursi	kinnikinnick
	Chimaphila umbellata	common pipsissewa
	Kalmia procumbens	alpine azalea
	Luetkea pectinata	partridge-foot
	Phyllodoce glanduliflora	yellow mountain heather

Table 7. Forb wetland indicator species.

Status	Scientific name	English name
Obligate	<i>Alisma triviale</i>	northern water-plantain
	<i>Bidens cernua</i>	nodding beggarticks
	<i>Calla palustris</i>	wild calla
	<i>Callitriche hermaphrodita</i>	northern water-starwort
	<i>Callitriche heterophylla</i>	large water-starwort
	<i>Callitriche palustris</i>	spring water-starwort
	<i>Caltha leptosepala</i>	white marsh marigold
	<i>Caltha natans</i>	floating marsh marigold
	<i>Caltha palustris</i>	yellow marsh marigold
	<i>Ceratophyllum demersum</i>	common hornwort
	<i>Chrysosplenium tetrandrum</i>	northern golden saxifrage
	<i>Cicuta bulbifera</i>	bulb-bearing water-hemlock
	<i>Cicuta douglasii</i>	Douglas' water-hemlock
	<i>Cicuta maculata</i>	spotted water-hemlock
	<i>Cicuta virosa</i>	northern water-hemlock
	<i>Comarum palustre</i>	marsh cinquefoil
	<i>Coptidium lapponicum</i>	Lapland buttercup
	<i>Crassula aquatica</i>	water pygmyweed
	<i>Drosera anglica</i>	English sundew
	<i>Drosera rotundifolia</i>	roundleaf sundew

Table 7 continues next page

Status	Scientific name	English name
	<i>Epilobium palustre</i>	marsh willowherb
	<i>Erythranthe guttata</i>	yellow monkeyflower
	<i>Hippuris lanceolata</i>	lance-leaved mare's tail
	<i>Hippuris tetraphylla</i>	four-leaved mare's tail
	<i>Hippuris vulgaris</i>	common mare's tail
	<i>Koenigia islandica</i>	Iceland purslane
	<i>Lathyrus palustris</i>	marsh vetchling
	<i>Lemna minor</i>	common duckweed
	<i>Lemna trisulca</i>	star duckweed
	<i>Lemna turionifera</i>	turion duckweed
	<i>Limosella aquatica</i>	northern mudwort
	<i>Lomatogonium rotatum</i>	marsh felwort
	<i>Lysimachia maritima</i>	sea milkwort
	<i>Lysimachia thyrsoiflora</i>	tufted loosestrife
	<i>Malaxis paludosa</i>	bog adder's-mouth
	<i>Menyanthes trifoliata</i>	bog buckbean
	<i>Montia fontana</i>	water blinks
	<i>Myriophyllum sibiricum</i>	Siberian water-milfoil
	<i>Myriophyllum spicatum</i>	Eurasian water-milfoil
	<i>Myriophyllum verticillatum</i>	whorled water-milfoil

Table 7 continues next page

Status	Scientific name	English name
	<i>Najas flexilis</i>	slender naiad
	<i>Nuphar polysepala</i>	Rocky Mountain pond-lily
	<i>Nuphar variegata</i>	variegated pond-lily
	<i>Nymphaea tetragona</i>	pygmy water-lily
	<i>Oxybasis rubra</i>	red goosefoot
	<i>Persicaria amphibia</i>	water smartweed
	<i>Persicaria amphibia</i> var. <i>emersa</i>	long-root smartweed
	<i>Persicaria amphibia</i> var. <i>stipulacea</i>	flanged smartweed
	<i>Pinguicula villosa</i>	hairy butterwort
	<i>Pinguicula vulgaris</i> ssp. <i>macroceras</i>	California butterwort
	<i>Pinguicula vulgaris</i> ssp. <i>vulgaris</i>	common butterwort
	<i>Platanthera huronensis</i>	fragrant green orchid
	<i>Potamogeton alpinus</i>	northern pondweed
	<i>Potamogeton foliosus</i>	leafy pondweed
	<i>Potamogeton friesii</i>	Fries' pondweed
	<i>Potamogeton gramineus</i>	grassy pondweed
	<i>Potamogeton natans</i>	floating-leaved pondweed
	<i>Potamogeton obtusifolius</i>	blunt-leaved pondweed
	<i>Potamogeton praelongus</i>	white-stem pondweed
	<i>Potamogeton pusillus</i>	small pondweed
	<i>Potamogeton richardsonii</i>	Richardson's pondweed

Table 7 continues next page

Status	Scientific name	English name
	<i>Potamogeton strictifolius</i>	straight-leaved pondweed
	<i>Potamogeton zosteriformis</i>	flat-stemmed pondweed
	<i>Ranunculus aquatilis</i> var. <i>diffusus</i>	thread-leaved water buttercup
	<i>Ranunculus gmelinii</i>	Gmelin's buttercup
	<i>Ranunculus hyperboreus</i>	Arctic buttercup
	<i>Ruppia cirrhosa</i>	spiral ditchgrass
	<i>Salicornia borealis</i>	Arctic glasswort
	<i>Saxifraga hirculus</i>	yellow marsh saxifrage
	<i>Saxifraga rivularis</i>	alpine brook saxifrage
	<i>Scheuchzeria palustris</i>	marsh scheuchzeria
	<i>Scutellaria galericulata</i> var. <i>pubescens</i>	narrow-leaved skullcap
	<i>Sium suave</i>	common water-parsnip
	<i>Sparganium angustifolium</i>	narrow-leaved bur-reed
	<i>Sparganium emersum</i>	green-fruited bur-reed
	<i>Sparganium hyperboreum</i>	northern bur-reed
	<i>Sparganium natans</i>	small bur-reed
	<i>Stellaria humifusa</i>	saltmarsh starwort
	<i>Stuckenia filiformis</i>	thread-leaved pondweed
	<i>Stuckenia pectinata</i>	sago pondweed
	<i>Stuckenia vaginata</i>	big-sheathed pondweed
	<i>Subularia aquatica</i>	water awlwort

Table 7 continues next page

Status	Scientific name	English name
	<i>Triglochin maritima</i>	seaside arrow-grass
	<i>Triglochin palustris</i>	slender bog arrow-grass
	<i>Typha latifolia</i>	broad-leaved cattail
	<i>Utricularia intermedia</i>	flat-leaved bladderwort
	<i>Utricularia minor</i>	lesser bladderwort
	<i>Utricularia ochroleuca</i>	yellowish-white bladderwort
	<i>Utricularia vulgaris</i>	common bladderwort
	<i>Veronica americana</i>	American brooklime
	<i>Veronica scutellata</i>	marsh speedwell
	<i>Zannichellia palustris</i>	horned pondweed
Facultative wetland	<i>Arnica chamissonis</i>	Chamisso's arnica
	<i>Barbarea orthoceras</i>	American wintercress
	<i>Cardamine pensylvanica</i>	Pennsylvania bittercress
	<i>Cardamine polemonioides</i>	Nyman's bittercress
	<i>Cardamine umbellata</i>	umbel bittercress
	<i>Claytonia sarmentosa</i>	Alaska spring beauty
	<i>Claytonia tuberosa</i>	tuberous spring beauty
	<i>Cochlearia groenlandica</i>	Greenland scurvy-grass
	<i>Coeloglossum viride</i>	frog orchid
	<i>Coptidium pallasii</i>	Pallas' buttercup
	<i>Corydalis pauciflora</i>	few-flower corydalis

Table 7 continues next page

Status	Scientific name	English name
	<i>Draba alpina</i>	alpine draba
	<i>Epilobium arcticum</i>	Arctic willowherb
	<i>Epilobium davuricum</i>	Dahurian willowherb
	<i>Epilobium hornemannii</i>	Hornemann's willowherb
	<i>Epilobium lactiflorum</i>	white-flower willowherb
	<i>Epilobium leptophyllum</i>	narrow-leaved willowherb
	<i>Erigeron glacialis</i> var. <i>glacialis</i>	subalpine fleabane
	<i>Erigeron humilis</i>	low fleabane
	<i>Erigeron philadelphicus</i>	Philadelphia fleabane
	<i>Galium trifidum</i>	three-petalled bedstraw
	<i>Galium trifidum</i> ssp. <i>trifidum</i>	three-petalled bedstraw
	<i>Gentianella amarella</i>	northern gentian
	<i>Gentianella amarella</i> ssp. <i>acuta</i>	autumn dwarf gentian
	<i>Geranium richardsonii</i>	Richardson's geranium
	<i>Halerpestes cymbalaria</i>	seaside crowfoot
	<i>Impatiens noli-tangere</i>	western jewelweed
	<i>Iris setosa</i>	beach-head iris
	<i>Lactuca biennis</i>	tall blue lettuce
	<i>Leptarrhena pyrolifolia</i>	leather-leaved saxifrage
	<i>Maianthemum trifolium</i>	three-leaved Solomon's-seal

Table 7 continues next page

Status	Scientific name	English name
	<i>Malaxis monophyllos</i>	white adder's-mouth
	<i>Mentha arvensis</i>	field mint
	<i>Mentha canadensis</i>	Canada mint
	<i>Micranthes lyallii</i>	red-stemmed saxifrage
	<i>Montia bostockii</i>	Bostock's montia
	<i>Parnassia fimbriata</i>	fringed grass-of-parnassus
	<i>Parnassia kotzebuei</i>	Kotzebue's grass-of-parnassus
	<i>Parnassia palustris</i>	marsh grass-of parnassus
	<i>Parnassia parviflora</i>	small-flowered grass-of-parnassus
	<i>Pedicularis groenlandica</i>	elephant's-head lousewort
	<i>Pedicularis labradorica</i>	Labrador lousewort
	<i>Pedicularis lapponica</i>	Lapland lousewort
	<i>Pedicularis parviflora</i>	small-flowered lousewort
	<i>Pedicularis sudetica</i>	Sudetan lousewort
	<i>Pedicularis sudetica</i> ssp. <i>interior</i>	interior Sudeten lousewort
	<i>Plantago maritima</i>	seaside plantain
	<i>Platanthera dilatata</i>	leafy white orchid
	<i>Platanthera dilatata</i> var. <i>dilatata</i>	tall white bog orchid
	<i>Platanthera hyperborea</i>	leafy northern green orchid
	<i>Platanthera obtusata</i>	small northern bog orchid

Table 7 continues next page

Status	Scientific name	English name
	<i>Potentilla anserina</i>	common silverweed
	<i>Potentilla anserina</i> ssp. <i>groenlandica</i>	Greenland silverweed
	<i>Potentilla biennis</i>	biennial cinquefoil
	<i>Primula borealis</i>	northern primrose
	<i>Primula mistassinica</i>	Mistassini primrose
	<i>Primula nutans</i>	Siberian primrose
	<i>Ranunculus acris</i>	common buttercup
	<i>Ranunculus eschscholtzii</i>	Eschscholtz's buttercup
	<i>Ranunculus flammula</i> var. <i>reptans</i>	creeping spearwort
	<i>Ranunculus nivalis</i>	snow buttercup
	<i>Ranunculus pygmaeus</i>	pygmy buttercup
	<i>Ranunculus sulphureus</i>	sulphur buttercup
	<i>Rorippa barbareifolia</i>	hoary yellowcress
	<i>Rorippa palustris</i>	bog yellowcress
	<i>Rorippa palustris</i> ssp. <i>palustris</i>	bog yellowcress
	<i>Rumex arcticus</i>	Arctic dock
	<i>Rumex fueginus</i>	American golden dock
	<i>Rumex occidentalis</i>	western dock
	<i>Sanguisorba menziesii</i>	Menzies' burnet
	<i>Sanguisorba officinalis</i>	great burnet

Table 7 continues next page

Status	Scientific name	English name
	<i>Saussurea americana</i>	American saw-wort
	<i>Saxifraga aizoides</i>	yellow mountain saxifrage
	<i>Saxifraga radiata</i>	Siberian saxifrage
	<i>Senecio triangularis</i>	arrow-leaf groundsel
	<i>Sisyrinchium montanum</i>	mountain blue-eyed-grass
	<i>Spiranthes romanzoffiana</i>	hooded ladies'-tresses
	<i>Stellaria borealis</i>	boreal starwort
	<i>Stellaria borealis ssp. borealis</i>	boreal starwort
	<i>Stellaria calycantha</i>	northern starwort
	<i>Stellaria crassifolia</i>	fleshy starwort
	<i>Stellaria umbellata</i>	umbellate stitchwort
	<i>Suaeda calceoliformis</i>	Pursh's seepweed
	<i>Swertia perennis</i>	alpine bog swertia
	<i>Symphotrichum boreale</i>	boreal aster
	<i>Tanacetum bipinnatum</i>	dwarf tansy
	<i>Tephrosieris kjellmanii</i>	Kjellman's groundsel
	<i>Tephrosieris palustris</i>	mastodon flower
	<i>Triantha glutinosa</i>	sticky triantha
	<i>Urtica gracilis ssp. gracilis</i>	stinging nettle
	<i>Aconitum delphiniifolium</i>	mountain monkshood

Table 7 continues next page

Status	Scientific name	English name
Facultative	<i>Adoxa moschatellina</i>	muskroot
	<i>Agoseris aurantiaca</i>	orange agoseris
	<i>Agoseris glauca</i>	pale agoseris
	<i>Allium schoenoprasum</i>	wild onion
	<i>Amerorchis rotundifolia</i>	round-leaved orchis
	<i>Anemonastrum richardsonii</i>	Richardson's anemone
	<i>Antennaria microphylla</i>	little-leaved pussytoes
	<i>Antennaria pulcherrima</i>	showy pussytoes
	<i>Antennaria pulcherrima ssp. pulcherrima</i>	showy pussytoes
	<i>Aralia nudicaulis</i>	wild sarsaparilla
	<i>Armeria maritima</i>	sea thrift
	<i>Arnica cordifolia</i>	heart-leaved arnica
	<i>Arnica lanceolata</i>	lance-leaved arnica
	<i>Artemisia arctica ssp. arctica</i>	mountain sagewort
	<i>Artemisia biennis</i>	biennial wormwood
	<i>Artemisia borealis ssp. richardsoniana</i>	Richardson's sagewort
	<i>Astragalus alpinus</i>	alpine milk-vetch
	<i>Astragalus alpinus var. alpinus</i>	alpine milk-vetch
	<i>Astragalus americanus</i>	American milk-vetch
	<i>Astragalus bodinii</i>	Bodin's milk-vetch

Table 7 continues next page

Status	Scientific name	English name
	<i>Astragalus canadensis</i>	Canada milk-vetch
	<i>Astragalus robbinsii</i>	Robbins' milk-vetch
	<i>Atriplex patula</i>	spear saltbush
	<i>Bistorta vivipara</i>	viviparous bistort
	<i>Blitum nuttallianum</i>	Nuttall's povertyweed
	<i>Boykinia richardsonii</i>	bearflower
	<i>Braya glabella</i> ssp. <i>glabella</i>	smooth braya
	<i>Braya humilis</i> ssp. <i>humilis</i>	low braya
	<i>Calypso bulbosa</i>	calypso
	<i>Canadanthus modestus</i>	great northern aster
	<i>Cardamine bellidifolia</i>	alpine bittercress
	<i>Cardamine oligosperma</i>	few-seed bittercress
	<i>Castilleja miniata</i>	greater red paintbrush
	<i>Castilleja pallida</i>	Boreal paintbrush
	<i>Castilleja pallida</i> var. <i>yukonis</i>	Yukon paintbrush
	<i>Castilleja raupii</i>	Raup's paintbrush
	<i>Castilleja unalaschcensis</i>	Unalaska paintbrush
	<i>Cerastium arvense</i>	field chickweed
	<i>Cerastium beeringianum</i>	Bering Sea chickweed
	<i>Cerastium nutans</i>	nodding chickweed

Table 7 continues next page

Status	Scientific name	English name
	<i>Chamaenerion latifolium</i>	river beauty
	<i>Circaea alpina</i>	small enchanter's nightshade
	<i>Cirsium arvense</i>	creeping thistle
	<i>Coptis trifolia</i>	goldthread
	<i>Cornus unalaschkensis</i>	Western Cordilleran bunchberry
	<i>Cypripedium guttatum</i>	spotted lady's-slipper
	<i>Cypripedium montanum</i>	mountain lady's-slipper
	<i>Cypripedium parviflorum</i>	yellow lady's-slipper
	<i>Cypripedium parviflorum</i> var. <i>pubescens</i>	large yellow lady's-slipper
	<i>Cypripedium passerinum</i>	sparrow's-egg lady's-slipper
	<i>Delphinium glaucum</i>	pale larkspur
	<i>Dodecatheon frigidum</i>	northern shooting-star
	<i>Draba albertina</i>	slender draba
	<i>Draba borealis</i>	boreal draba
	<i>Draba ogilviensis</i>	Ogilvie range draba
	<i>Epilobium ciliatum</i>	hairy willowherb
	<i>Epilobium ciliatum</i> ssp. <i>ciliatum</i>	hairy willowherb
	<i>Epilobium ciliatum</i> ssp. <i>glandulosum</i>	glandular willowherb
	<i>Epilobium clavatum</i>	club willowherb
	<i>Erigeron acris</i>	bitter fleabane

Table 7 continues next page

Status	Scientific name	English name
	<i>Erigeron acris</i> var. <i>kamtschaticus</i>	Kamtchatka fleabane
	<i>Erigeron lonchophyllus</i>	short-ray fleabane
	<i>Erigeron purpuratus</i>	purple fleabane
	<i>Eutrema edwardsii</i>	Edwards' eutrema
	<i>Eutrema salsugineum</i>	saltwater cress
	<i>Galium labradoricum</i>	Labrador bedstraw
	<i>Galium triflorum</i>	three-flowered bedstraw
	<i>Gentiana glauca</i>	glaucous gentian
	<i>Geum macrophyllum</i>	large-leaved avens
	<i>Goodyera repens</i>	dwarf rattlesnake-plantain
	<i>Heracleum maximum</i>	cow parsnip
	<i>Hieracium umbellatum</i>	umbellate hawkweed
	<i>Honckenya peploides</i>	sea-beach sandwort
	<i>Lathyrus japonicus</i>	beach pea
	<i>Maianthemum canadense</i>	Canada mayflower
	<i>Maianthemum dilatatum</i>	false lily-of-the-valley
	<i>Maianthemum stellatum</i>	star-flowered solomon's-seal
	<i>Mertensia paniculata</i>	tall bluebells
	<i>Mertensia paniculata</i> var. <i>paniculata</i>	tall bluebells
	<i>Micranthes hieraciifolia</i>	hawkweed-leaved saxifrage

Table 7 continues next page

Status	Scientific name	English name
	<i>Micranthes nelsoniana</i>	Nelson's saxifrage
	<i>Micranthes nelsoniana</i> var. <i>porsildiana</i>	Porsild's saxifrage
	<i>Micranthes razshivinii</i>	Razshivin's saxifrage
	<i>Myosotis asiatica</i>	Asian forget-me-not
	<i>Myosotis scorpioides</i>	true forget-me-not
	<i>Neottia borealis</i>	northern twayblade
	<i>Neottia cordata</i>	heart-leaved twayblade
	<i>Osmorhiza depauperata</i>	blunt-fruited sweet-cicely
	<i>Packera pauciflora</i>	few-flower ragwort
	<i>Packera paupercula</i>	balsam ragweed
	<i>Papaver keelei</i>	Keele River poppy
	<i>Papaver mcconnellii</i>	Mcconnell's poppy
	<i>Pedicularis lanata</i>	woolly lousewort
	<i>Pedicularis langsdorffii</i>	Langsdorf's lousewort
	<i>Pedicularis langsdorffii</i> ssp. <i>arctica</i>	Arctic lousewort
	<i>Persicaria lapathifolia</i>	pale smartweed
	<i>Petasites frigidus</i>	Arctic sweet colt's-foot
	<i>Petasites frigidus</i> ssp. <i>frigidus</i>	Arctic colt's-foot
	<i>Petasites frigidus</i> ssp. <i>nivalis</i>	sweet colt's-foot
	<i>Petasites frigidus</i> var. <i>sagittatus</i>	arrowleaf sweet-colt's-foot

Table 7 continues next page

Status	Scientific name	English name
	<i>Pilosella aurantiaca</i>	orange hawkweed
	<i>Plantago eriopoda</i>	saline plantain
	<i>Plantago major</i>	common plantain
	<i>Platanthera orbiculata</i>	lesser round-leaved orchid
	<i>Polemonium acutiflorum</i>	tall Jacob's-ladder
	<i>Polygonum achoreum</i>	leathery knotweed
	<i>Polygonum aviculare</i>	prostrate knotweed
	<i>Potentilla gracilis</i>	graceful cinquefoil
	<i>Potentilla hyparctica</i>	Arctic cinquefoil
	<i>Potentilla norvegica</i>	rough cinquefoil
	<i>Primula stricta</i>	strict primrose
	<i>Pyrola grandiflora</i>	Arctic wintergreen
	<i>Pyrola minor</i>	lesser wintergreen
	<i>Ranunculus abortivus</i>	kidney-leaved buttercup
	<i>Ranunculus cooleyae</i>	Cooley's buttercup
	<i>Ranunculus macounii</i>	Macoun's buttercup
	<i>Ranunculus pedatifidus</i> var. <i>affinis</i>	northern buttercup
	<i>Ranunculus repens</i>	creeping buttercup
	<i>Ranunculus turneri</i>	Turner's buttercup
	<i>Rhodiola integrifolia</i>	western roseroot

Table 7 continues next page

Status	Scientific name	English name
	<i>Rhodiola integrifolia</i> ssp. <i>integrifolia</i>	entire-leaved stonecrop
	<i>Rubus arcticus</i>	Arctic raspberry
	<i>Rumex acetosella</i>	sheep sorrel
	<i>Rumex crispus</i>	curled dock
	<i>Rumex longifolius</i>	long-leaved dock
	<i>Sabulina rubella</i>	reddish stitchwort
	<i>Sagina nivalis</i>	snow pearlwort
	<i>Sagina saginoides</i>	Arctic pearlwort
	<i>Saussurea angustifolia</i>	narrow-leaved saw-wort
	<i>Saussurea angustifolia</i> var. <i>angustifolia</i>	narrow-leaved saw-wort
	<i>Saussurea angustifolia</i> var. <i>yukonensis</i>	Yukon saw-wort
	<i>Saxifraga cernua</i>	nodding saxifrage
	<i>Senecio lugens</i>	black-tipped groundsel
	<i>Silene menziesii</i>	Menzies' pink
	<i>Stellaria crispa</i>	crisp starwort
	<i>Stellaria longifolia</i>	longleaf stitchwort
	<i>Stellaria longipes</i>	long-stalked starwort
	<i>Stellaria monantha</i>	northern stichwort
	<i>Streptopus amplexifolius</i>	clasping twisted -stalk
	<i>Symphotrichum ciliatum</i>	rayless alkali aster

Table 7 continues next page

Status	Scientific name	English name
	<i>Symphotrichum ciliolatum</i>	fringed aster
	<i>Symphotrichum falcatum</i>	western heath aster
	<i>Tephroseris yukonensis</i>	Yukon groundsel
	<i>Thalictrum alpinum</i>	alpine meadow-rue
	<i>Thalictrum venulosum</i>	veiny meadow-rue
	<i>Tofieldia pusilla</i>	small tofieldia
	<i>Trifolium hybridum</i>	Alsike clover
	<i>Tripleurospermum maritimum</i>	seaside chamomile
	<i>Valeriana capitata</i>	clustered valerian
	<i>Valeriana dioica</i>	marsh valerian
	<i>Valeriana sitchensis</i>	Sitka valerian
	<i>Veronica wormskjoldii</i>	alpine speedwell
	<i>Viola adunca</i>	hooked violet
	<i>Viola canadensis</i>	Canada violet
	<i>Viola epipsila</i>	northern marsh violet
	<i>Viola epipsila var. repens</i>	northern marsh violet
	<i>Viola langsдорffii</i>	Alaskan violet
	<i>Viola palustris</i>	alpine marsh violet
	<i>Viola renifolia</i>	kidney-leaf white violet
	<i>Wilhelmsia physodes</i>	merkia

Table 7 continues next page

Status	Scientific name	English name
Facultative upland	<i>Achillea alpina</i>	Siberian yarrow
	<i>Achillea millefolium</i>	common yarrow
	<i>Achillea ptarmica</i>	sneezeweed yarrow
	<i>Alyssum obovatum</i>	American alyssum
	<i>Androsace chamaejasme</i>	sweet-flowered rock jasmine
	<i>Androsace chamaejasme ssp. lehmanniana</i>	Lehmann's rock jasmine
	<i>Anemonastrum sibiricum</i>	Siberian anemone
	<i>Anemone parviflora</i>	small-flowered anemone
	<i>Angelica lucida</i>	seacoast angelica
	<i>Antennaria alpina</i>	alpine pussytoes
	<i>Anticlea elegans</i>	mountain death camas
	<i>Aphragmus eschscholtzianus</i>	Aleutian cress
	<i>Apocynum androsaemifolium</i>	spreading dogbane
	<i>Aquilegia formosa</i>	western columbine
	<i>Arabidopsis lyrata</i>	lyre-leaved rockcress
	<i>Arabidopsis lyrata ssp. kamchatica</i>	Kamchatka rockcress
	<i>Arabis pycnocarpa</i>	western hairy rockcress
	<i>Arabis pycnocarpa var. pycnocarpa</i>	western hairy rockcress
	<i>Arenaria longipedunculata</i>	long-stemmed sandwort
	<i>Arnica angustifolia</i>	narrow-leaved arnica

Table 7 continues next page

Status	Scientific name	English name
	<i>Arnica angustifolia</i> ssp. <i>angustifolia</i>	narrow-leaved arnica
	<i>Arnica angustifolia</i> ssp. <i>tomentosa</i>	alpine arnica
	<i>Arnica latifolia</i>	broad-leaved arnica
	<i>Arnica mollis</i>	hairy arnica
	<i>Arnica ovata</i>	sticky arnica
	<i>Artemisia cana</i>	silver wormwood
	<i>Artemisia tilesii</i>	Tilesius wormwood
	<i>Artemisia woodii</i>	Yukon wormwood
	<i>Askellia elegans</i>	elegant hawksbeard
	<i>Atriplex dioica</i>	saline saltbush
	<i>Boechera grahamii</i>	Graham's rockcress
	<i>Boechera stricta</i>	Drummond's rockcress
	<i>Boschniakia rossica</i>	northern groundcone
	<i>Campanula aurita</i>	Yukon bellflower
	<i>Campanula lasiocarpa</i>	mountain harebell
	<i>Campanula rapunculoides</i>	creeping bellflower
	<i>Campanula rotundifolia</i>	common bellflower
	<i>Capsella bursa-pastoris</i>	common shepherd's purse
	<i>Cerastium fontanum</i>	common mouse-ear chickweed
	<i>Chamaenerion angustifolium</i>	fireweed

Table 7 continues next page

Status	Scientific name	English name
	<i>Chamaenerion angustifolium</i> ssp. <i>angustifolium</i>	fireweed
	<i>Chenopodium album</i>	lamb's-quarters
	<i>Chenopodium leptophyllum</i>	slim-leaved goosefoot
	<i>Cirsium foliosum</i>	leafy thistle
	<i>Cnidium cniidiifolium</i>	Jakutsk snow parsley
	<i>Collomia linearis</i>	narrow-leaved collomia
	<i>Comandra umbellata</i>	pale comandra
	<i>Comandra umbellata</i> ssp. <i>pallida</i>	pale comandra
	<i>Corallorhiza trifida</i>	early coralroot
	<i>Cornus canadensis</i>	bunchberry
	<i>Delphinium brachycentrum</i>	Arctic larkspur
	<i>Draba nemorosa</i>	woodland draba
	<i>Draba stenoloba</i>	Alaska draba
	<i>Dracocephalum parviflorum</i>	American dragonhead
	<i>Erigeron denalii</i>	Denali fleabane
	<i>Erigeron elatus</i>	tall bitter fleabane
	<i>Erigeron glabellus</i>	streamside fleabane
	<i>Erigeron hyperboreus</i>	tundra fleabane
	<i>Erigeron nivalis</i>	snow fleabane
	<i>Erigeron pallens</i>	pale fleabane

Table 7 continues next page

Status	Scientific name	English name
	<i>Erigeron peregrinus</i>	wandering fleabane
	<i>Fallopia convolvulus</i>	Eurasian black bindweed
	<i>Galium boreale</i>	northern bedstraw
	<i>Gentiana prostrata</i>	moss gentian
	<i>Gentianella propinqua</i>	four-parted gentian
	<i>Gentianella propinqua</i> ssp. <i>propinqua</i>	four-parted gentian
	<i>Geocaulon lividum</i>	orange berry bastard toadflax
	<i>Geum aleppicum</i>	yellow avens
	<i>Geum rossii</i>	ross' avens
	<i>Geum triflorum</i>	three-flowered avens
	<i>Hedysarum americanum</i>	alpine sweet-vetch
	<i>Hedysarum boreale</i>	northern sweet-vetch
	<i>Koenigia alaskana</i>	wild rhubarb
	<i>Lagotis glauca</i>	glaucous weaselsnout
	<i>Lathyrus ochroleucus</i>	cream-coloured vetchling
	<i>Lepidium densiflorum</i>	common pepper grass
	<i>Linum lewisii</i>	Lewis' wild blue flax
	<i>Lupinus nootkatensis</i>	Nootka lupine
	<i>Melanocalyx uniflora</i>	Arctic harebell
	<i>Melilotus albus</i>	white sweet clover

Table 7 continues next page

Status	Scientific name	English name
	<i>Melilotus officinalis</i>	yellow sweet clover
	<i>Mitella nuda</i>	naked mitrewort
	<i>Mitella pentandra</i>	five-point bishop's-cap
	<i>Moehringia lateriflora</i>	grove sandwort
	<i>Moneses uniflora</i>	single delight
	<i>Orthilia secunda</i>	one-sided wintergreen
	<i>Osmorhiza berteroi</i>	mountain sweet cicely
	<i>Oxyria digyna</i>	mountain sorrel
	<i>Oxytropis deflexa</i>	nodding locoweed
	<i>Oxytropis deflexa</i> ssp. <i>foliolosa</i>	foliose locoweed
	<i>Oxytropis deflexa</i> ssp. <i>sericea</i>	blue pendant-pod oxytrope
	<i>Packera indecora</i>	plains ragwort
	<i>Parrya arctica</i>	Arctic false-wallflower
	<i>Parrya nudicaulis</i>	naked-stemmed false wallflower
	<i>Pedicularis capitata</i>	capitate lousewort
	<i>Pedicularis verticillata</i>	whorled lousewort
	<i>Petasites frigidus</i> ssp. <i>palmatus</i>	palmate coltsfoot
	<i>Phacelia franklinii</i>	Franklin's phacelia
	<i>Polemonium pulcherrimum</i>	showy Jacob's-ladder
	<i>Potentilla pensylvanica</i>	Pennsylvania cinquefoil

Table 7 continues next page

Status	Scientific name	English name
	<i>Potentilla rubricaulis</i>	red-stemmed cinquefoil
	<i>Prunella vulgaris</i> ssp. <i>lanceolata</i>	lance-leaved self-heal
	<i>Pyrola asarifolia</i>	pink wintergreen
	<i>Pyrola chlorantha</i>	green-flowered wintergreen
	<i>Rhinanthus minor</i>	little yellow rattle
	<i>Rumex sibiricus</i>	Siberian dock
	<i>Rumex triangulivalvis</i>	triangular-valved dock
	<i>Sabulina dawsonensis</i>	Dawson stitchwort
	<i>Sabulina elegans</i>	Ross' stitchwort
	<i>Sabulina stricta</i>	bog stitchwort
	<i>Saxifraga adscendens</i>	ascending saxifrage
	<i>Saxifraga cespitosa</i>	tufted saxifrage
	<i>Senecio vulgaris</i>	common ragwort
	<i>Silene uralensis</i>	apetalous catchfly
	<i>Smelowskia media</i>	fern-leaved smelowskia
	<i>Solidago canadensis</i>	Canada goldenrod
	<i>Solidago lepida</i>	western Canada goldenrod
	<i>Solidago lepida</i> var. <i>salebrosa</i>	Rocky Mountain Canada goldenrod
	<i>Solidago multiradiata</i>	northern goldenrod
	<i>Sonchus arvensis</i>	perennial sow-thistle

Table 7 continues next page

Status	Scientific name	English name
	<i>Taraxacum officinale</i>	common dandelion
	<i>Thalictrum occidentale</i>	western meadow-rue
	<i>Thalictrum sparsiflorum</i>	few-flowered meadow-rue
	<i>Tofieldia coccinea</i>	northern false-asphodel
	<i>Trientalis europaea</i>	Arctic starflower
	<i>Trifolium pratense</i>	red clover
	<i>Trifolium repens</i>	white clover
	<i>Valeriana officinalis</i>	common valerian
	<i>Veratrum viride</i>	green false hellebore
	<i>Veronica peregrina</i>	purslane speedwell
Upland	<i>Actaea rubra</i>	red baneberry
	<i>Amsinckia menziesii</i>	Menzies' fiddleneck
	<i>Anaphalis margaritacea</i>	pearly everlasting
	<i>Andersonglossum boreale</i>	northern wild comfrey
	<i>Androsace septentrionalis</i>	northern fairy-candelabra
	<i>Anemone drummondii</i>	Drummond's anemone
	<i>Anemone lithophila</i>	alpine anemone
	<i>Anemone multifida</i>	cut-leaved anemone
	<i>Antennaria densifolia</i>	dense-leaved pussytoes
	<i>Antennaria friesiana</i>	Fries' pussytoes

Table 7 continues next page

Status	Scientific name	English name
	<i>Antennaria howellii</i>	Howell's pussytoes
	<i>Antennaria howellii</i> ssp. <i>canadensis</i>	Canada pussytoes
	<i>Antennaria media</i>	Rocky Mountain pussytoes
	<i>Antennaria monocephala</i> ssp. <i>monocephala</i>	pygmy pussytoes
	<i>Antennaria rosea</i>	rosy pussytoes
	<i>Antennaria rosea</i> ssp. <i>arida</i>	desert pussytoes
	<i>Antennaria rosea</i> ssp. <i>confinis</i>	brown-edged pussytoes
	<i>Antennaria rosea</i> ssp. <i>pulvinata</i>	pulvinate pussytoes
	<i>Antennaria rosea</i> ssp. <i>rosea</i>	rosy pussytoes
	<i>Antennaria umbrinella</i>	umber pussytoes
	<i>Aphyllon fasciculatum</i>	clustered broomrape
	<i>Aquilegia brevistyla</i>	blue columbine
	<i>Arabis nuttallii</i>	Nuttall's rockcress
	<i>Arctanthemum arcticum</i> ssp. <i>polare</i>	polar daisy
	<i>Arnica griscomii</i>	snow arnica
	<i>Arnica griscomii</i> ssp. <i>frigida</i>	northern arnica
	<i>Arnica lessingii</i>	Lessing's arnica
	<i>Arnica lonchophylla</i>	long-leaved arnica
	<i>Arnica parryi</i>	Parry's arnica
	<i>Artemisia alaskana</i>	Alaska wormwood

Table 7 continues next page

Status	Scientific name	English name
	<i>Artemisia borealis</i>	boreal wormwood
	<i>Artemisia borealis</i> ssp. <i>borealis</i>	boreal wormwood
	<i>Artemisia campestris</i>	field wormwood
	<i>Artemisia dracunculus</i>	dragon wormwood
	<i>Artemisia frigida</i>	pasture sage
	<i>Artemisia hyperborea</i>	forked wormwood
	<i>Artemisia laciniata</i>	Siberian wormwood
	<i>Artemisia michauxiana</i>	Michaux's wormwood
	<i>Aruncus dioicus</i>	common goat's beard
	<i>Askellia pygmaea</i>	dwarf hawksbeard
	<i>Aster alpinus</i>	alpine aster
	<i>Astragalus agrestis</i>	field milk-vetch
	<i>Astragalus australis</i>	southern milk-vetch
	<i>Astragalus cicer</i>	chickpea milk-vetch
	<i>Astragalus eucosmus</i>	elegant milk-vetch
	<i>Astragalus laxmannii</i> var. <i>robustior</i>	ascending purple milk-vetch
	<i>Astragalus nutzotinensis</i>	Nutzotin milk-vetch
	<i>Astragalus tenellus</i>	loose-flowered milk-vetch
	<i>Astragalus umbellatus</i>	tundra milk-vetch
	<i>Astragalus williamsii</i>	Williams' milk-vetch

Table 7 continues next page

Status	Scientific name	English name
	<i>Blitum capitatum</i>	strawberry-blite
	<i>Boechera calderi</i>	Calder's rockcress
	<i>Boechera drepanoloba</i>	soldier rockcress
	<i>Boechera lemmonii</i>	Lemmon's rockcress
	<i>Boechera pauciflora</i>	elegant rockcress
	<i>Boechera pendulocarpa</i>	dangle-pod rockcress
	<i>Boechera retrofracta</i>	reflexed rockcress
	<i>Bupleurum americanum</i>	American thoroughwax
	<i>Caragana arborescens</i>	Siberian peashrub
	<i>Castilleja elegans</i>	elegant paintbrush
	<i>Castilleja hyperborea</i>	northern paintbrush
	<i>Centaurea stoebe</i>	spotted knapweed
	<i>Cerastium glomeratum</i>	sticky chickweed
	<i>Chamaerhodos erecta</i>	rose chamaerhodos
	<i>Chenopodiastrum simplex</i>	maple-leaved goosefoot
	<i>Chenopodium hians</i>	gaping goosefoot
	<i>Cherleria arctica</i>	Arctic stitchwort
	<i>Cherleria biflora</i>	mountain stitchwort
	<i>Cherleria obtusiloba</i>	alpine stitchwort
	<i>Cherleria yukonensis</i>	Yukon stitchwort
	<i>Chrysosplenium wrightii</i>	Wright's golden saxifrage

Status	Scientific name	English name
	<i>Claytonia megarhiza</i>	alpine spring beauty
	<i>Claytonia scammaniana</i>	Scamman's spring beauty
	<i>Collinsia parviflora</i>	small-flower blue-eyed mary
	<i>Comastoma tenellum</i>	slender gentian
	<i>Corispermum pallasii</i>	Pallas' bugseed
	<i>Corydalis aurea</i>	golden corydalis
	<i>Corydalis sempervirens</i>	pale corydalis
	<i>Crepis tectorum</i>	narrow-leaved hawksbeard
	<i>Crucihimalaya bursifolia</i>	soft rockcress
	<i>Descurainia incana</i>	gray tansy-mustard
	<i>Descurainia incisa</i>	smooth tansy-mustard
	<i>Descurainia nelsonii</i>	Nelson's tansy-mustard
	<i>Descurainia pinnata</i>	green tansy-mustard
	<i>Descurainia sopheroides</i>	northern tansy-mustard
	<i>Dianthus repens</i>	northern pink
	<i>Diapensia obovata</i>	Alaska diapensia
	<i>Dodecatheon pulchellum</i>	few-flower shooting-star
	<i>Douglasia alaskana</i>	Alaska dwarf primrose
	<i>Douglasia gormanii</i>	Gorman's douglasia
	<i>Douglasia ochotensis</i>	Alaska dwarf primrose

Table 7 continues next page

Status	Scientific name	English name
	<i>Draba aurea</i>	golden draba
	<i>Draba cana</i>	hoary draba
	<i>Draba cinerea</i>	grey-leaved draba
	<i>Draba corymbosa</i>	flat-top draba
	<i>Draba crassifolia</i>	snowbed draba
	<i>Draba densifolia</i>	dense-leaved draba
	<i>Draba fladnizensis</i>	Austrian draba
	<i>Draba glabella</i>	smooth draba
	<i>Draba incerta</i>	Yellowstone draba
	<i>Draba juvenilis</i>	long-stalked draba
	<i>Draba lactea</i>	milky draba
	<i>Draba lonchocarpa</i>	lancepod draba
	<i>Draba macounii</i>	Macoun's draba
	<i>Draba nivalis</i>	snow draba
	<i>Draba oligosperma</i>	few-seeded draba
	<i>Draba palanderiana</i>	Palander's draba
	<i>Draba porsildii</i>	Porsild's draba
	<i>Draba praealta</i>	tall draba
	<i>Draba ruaxes</i>	Coast Mountain draba
	<i>Draba stenopetala</i>	star-flowered draba

Table 7 continues next page

Status	Scientific name	English name
	<i>Draba ventosa</i>	Wind River draba
	<i>Draba yukonensis</i>	Yukon draba
	<i>Drymocallis convallaria</i>	tall cinquefoil
	<i>Eremogone capillaris</i> var. <i>capillaris</i>	thread-leaved sandwort
	<i>Erigeron caespitosus</i>	caespitose fleabane
	<i>Erigeron compositus</i>	cut-leaf fleabane
	<i>Erigeron hyssopifolius</i>	hyssop-leaved fleabane
	<i>Erigeron ochroleucus</i>	buff fleabane
	<i>Erigeron porsildii</i>	Porsild's fleabane
	<i>Erigeron uniflorus</i>	one-flowered fleabane
	<i>Erigeron uniflorus</i> ssp. <i>eriocephalus</i>	one-flowered fleabane
	<i>Erigeron yukonensis</i>	Yukon fleabane
	<i>Erysimum cheiranthoides</i>	wormseed mustard
	<i>Erysimum coarctatum</i>	crowded wormseed mustard
	<i>Erysimum inconspicuum</i>	small-flower prairie wallflower
	<i>Erysimum pallasii</i>	Pallas' wallflower
	<i>Euphorbia virgata</i>	Russian leafy spurge
	<i>Fragaria virginiana</i>	Virginia strawberry
	<i>Fragaria virginiana</i> ssp. <i>glauca</i>	smooth wild strawberry
	<i>Fritillaria camschatcensis</i>	Kamchatka fritillary

Table 7 continues next page

Status	Scientific name	English name
	<i>Gaillardia aristata</i>	great blanket-flower
	<i>Galeopsis bifida</i>	bifid hemp-nettle
	<i>Geranium bicknellii</i>	Bicknell northern crane's bill
	<i>Geranium erianthum</i>	woolly geranium
	<i>Hieracium albiflorum</i>	white hawkweed
	<i>Hieracium triste</i>	woolly hawkweed
	<i>Hulteniella integrifolia</i>	entire-leaved daisy
	<i>Lappula occidentalis</i>	cupped stickseed
	<i>Lappula squarrosa</i>	bristly stickseed
	<i>Lepidium ramosissimum</i>	branched pepper grass
	<i>Leucanthemum vulgare</i>	oxeye daisy
	<i>Linaria vulgaris</i>	butter-and-eggs
	<i>Lloydia serotina</i>	common alpine lily
	<i>Lotus corniculatus</i>	garden bird's-foot trefoil
	<i>Lupinus arcticus</i>	Arctic lupine
	<i>Lupinus kuschei</i>	Yukon lupine
	<i>Malva pusilla</i>	round-leaved mallow
	<i>Medicago falcata</i>	yellow lucerne
	<i>Medicago sativa</i>	alfalfa
	<i>Mertensia maritima</i>	oysterleaf

Table 7 continues next page

Status	Scientific name	English name
	<i>Micranthes nivalis</i>	snow saxifrage
	<i>Micranthes reflexa</i>	Yukon saxifrage
	<i>Micranthes rufopilosa</i>	red-haired saxifrage
	<i>Micranthes tenuis</i>	slender saxifrage
	<i>Onobrychis viciifolia</i>	common sainfoin
	<i>Orthocarpus luteus</i>	yellow owl's-clover
	<i>Oxytropis arctica</i>	Arctic locoweed
	<i>Oxytropis arctobia</i>	Nunavut locoweed
	<i>Oxytropis borealis</i>	boreal locoweed
	<i>Oxytropis borealis</i> var. <i>viscida</i>	sticky locoweed
	<i>Oxytropis campestris</i>	field locoweed
	<i>Oxytropis campestris</i> ssp. <i>jordalii</i>	Jordal's locoweed
	<i>Oxytropis campestris</i> ssp. <i>varians</i>	late yellow locoweed
	<i>Oxytropis huddelsonii</i>	Huddelson's locoweed
	<i>Oxytropis maydelliana</i>	Maydell's locoweed
	<i>Oxytropis nigrescens</i>	blackish locoweed
	<i>Oxytropis nigrescens</i> ssp. <i>nigrescens</i>	blackish oxytrope
	<i>Oxytropis scammaniana</i>	Scamman's locoweed
	<i>Oxytropis sericea</i>	early locoweed
	<i>Oxytropis sericea</i> ssp. <i>spicata</i>	early yellow locoweed

Table 7 continues next page

Status	Scientific name	English name
	<i>Oxytropis splendens</i>	showy point-vetch
	<i>Packera heterophylla</i>	dwarf Arctic groundsel
	<i>Packera ogorukensis</i>	Ogoruk Creek groundsel
	<i>Packera streptanthifolia</i>	Rocky Mountain groundsel
	<i>Papaver alboroseum</i>	pale poppy
	<i>Papaver kluanense</i>	Kluane poppy
	<i>Papaver lapponicum</i>	Lapland poppy
	<i>Papaver nudicaule</i>	Iceland poppy
	<i>Papaver radicatum</i>	Arctic poppy
	<i>Parietaria pensylvanica</i>	Pennsylvania pellitory
	<i>Pedicularis oederi</i>	Oeder's lousewort
	<i>Penstemon gormanii</i>	Yukon penstemon
	<i>Penstemon procerus</i>	small-flower beardtongue
	<i>Phacelia mollis</i>	Coffee Creek scorpionweed
	<i>Phlox hoodii</i>	Hood's phlox
	<i>Phlox richardsonii</i>	Richardson's phlox
	<i>Physaria arctica</i>	Arctic bladderpod
	<i>Pilosella piloselloides</i>	tall hawkweed
	<i>Plantago canescens</i>	hairy plantain
	<i>Polemonium boreale</i>	northern Jacob's-ladder

Table 7 continues next page

Status	Scientific name	English name
	<i>Polygonum douglasii</i>	Douglas' knotweed
	<i>Polygonum humifusum</i>	Alaska knotweed
	<i>Potentilla arenosa</i>	bluff cinquefoil
	<i>Potentilla arenosa ssp. arenosa</i>	bluff cinquefoil
	<i>Potentilla biflora</i>	two-flower cinquefoil
	<i>Potentilla bimundorum</i>	staghorn cinquefoil
	<i>Potentilla elegans</i>	elegant cinquefoil
	<i>Potentilla glaucophylla var. glaucophylla</i>	blue-leaved cinquefoil
	<i>Potentilla hookeriana</i>	Hooker's cinquefoil
	<i>Potentilla litoralis</i>	coast cinquefoil
	<i>Potentilla nana</i>	Arctic cinquefoil
	<i>Potentilla nivea</i>	snow cinquefoil
	<i>Potentilla subvahliana</i>	high Arctic cinquefoil
	<i>Potentilla uniflora</i>	one-flower cinquefoil
	<i>Pseudocherleria macrocarpa</i>	long-pod stitchwort
	<i>Pulsatilla patens</i>	eastern pasqueflower
	<i>Ranunculus gelidus</i>	Arctic buttercup
	<i>Rheum rhabarbarum</i>	rhubarb
	<i>Rumex lapponicus</i>	Lapland sorrel
	<i>Sabulina rossii</i>	Ross' stitchwort

Table 7 continues next page

Status	Scientific name	English name
	<i>Saussurea nuda</i>	dwarf saw-wort
	<i>Saxifraga flagellaris</i>	spider saxifrage
	<i>Saxifraga funstonii</i>	Funston's saxifrage
	<i>Saxifraga oppositifolia</i>	purple mountain saxifrage
	<i>Saxifraga oppositifolia</i> ssp. <i>oppositifolia</i>	purple mountain saxifrage
	<i>Saxifraga serpyllifolia</i>	thyme-leaf saxifrage
	<i>Saxifraga tricuspidata</i>	prickly saxifrage
	<i>Sedum lanceolatum</i>	lance-leaved stonecrop
	<i>Senecio sheldonensis</i>	Mount Sheldon ragwort
	<i>Silene acaulis</i>	moss campion
	<i>Silene involucrata</i>	Arctic catchfly
	<i>Silene involucrata</i> ssp. <i>involucrata</i>	Arctic catchfly
	<i>Silene latifolia</i>	white campion
	<i>Silene repens</i>	pink catchfly
	<i>Silene sorensenis</i>	Sorensen's catchfly
	<i>Silene vulgaris</i>	bladder campion
	<i>Smelowskia borealis</i>	northern smelowskia
	<i>Solidago glutinosa</i>	sticky goldenrod
	<i>Solidago simplex</i>	sticky goldenrod
	<i>Spergularia rubra</i>	red sand-spurry

Table 7 continues next page

Status	Scientific name	English name
	<i>Stellaria longipes</i> ssp. <i>longipes</i>	long-stalked starwort
	<i>Stellaria media</i>	common chickweed
	<i>Symphyotrichum foliaceum</i>	leafy aster
	<i>Symphyotrichum foliaceum</i> var. <i>foliaceum</i>	leafy aster
	<i>Tanacetum vulgare</i>	common tansy
	<i>Taraxacum alaskanum</i>	Alaska dandelion
	<i>Taraxacum ceratophorum</i>	horned dandelion
	<i>Taraxacum erythrospermum</i>	red-seeded dandelion
	<i>Taraxacum hyparcticum</i>	high-Arctic dandelion
	<i>Tephrosieris lindstroemii</i>	Lindström's groundsel
	<i>Thalictrum dasycarpum</i>	purple meadow-rue
	<i>Thlaspi arvense</i>	field penny-cress
	<i>Townsendia hookeri</i>	Hooker's townsend
	<i>Tragopogon dubius</i>	yellow goatsbeard
	<i>Tragopogon pratensis</i>	meadow goat's-beard
	<i>Turritis glabra</i>	tower mustard
	<i>Vicia americana</i>	American vetch
	<i>Vicia cracca</i>	tufted vetch
	<i>Vicia sativa</i>	common vetch
	<i>Viola biflora</i>	twin-flowered violet
	<i>Viola selkirkii</i>	Selkirk's violet

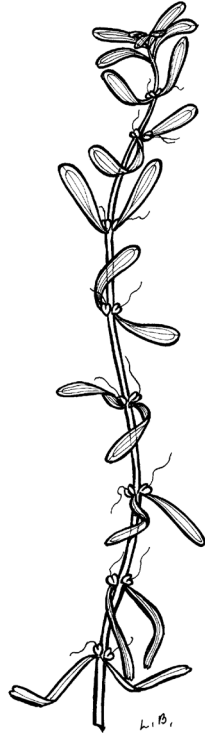
Status

Scientific name

English name

Viola tricolor

johnny-jump-up



spring water-starwort (*Callitriche palustris*)

Table 8. Fern and fern ally wetland indicator species.

Status	Scientific name	English name
Obligate	<i>Equisetum fluviatile</i>	water horsetail
	<i>Isoetes echinospora</i>	spiny-spored quillwort
	<i>Isoetes maritima</i>	maritime quillwort
Facultative wetland	<i>Equisetum hyemale</i>	common scouring rush
	<i>Equisetum palustre</i>	marsh horsetail
	<i>Equisetum variegatum</i>	variegated scouring-rush
	<i>Equisetum variegatum</i> ssp. <i>alaskanum</i>	Alaska variegated scouring rush
	<i>Equisetum variegatum</i> ssp. <i>variegatum</i>	variegated scouring rush
	<i>Matteuccia struthiopteris</i>	ostrich fern
Facultative	<i>Athyrium filix - femina</i>	common lady fern
	<i>Cryptogramma stelleri</i>	Steller's rockbrake
	<i>Cystopteris montana</i>	mountain bladder fern
	<i>Dryopteris carthusiana</i>	spinulose shield fern
	<i>Equisetum arvense</i>	common horsetail
	<i>Equisetum pratense</i>	meadow horsetail
	<i>Equisetum scirpoides</i>	dwarf scouring_rush
	<i>Equisetum sylvaticum</i>	woodland horsetail
	<i>Gymnocarpium continentale</i>	Nahanni oak fern
	<i>Sceptridium multifidum</i>	leathery grapefern

Table 8 continues next page

Status	Scientific name	English name
Facultative upland	<i>Botrychium ascendens</i>	upswept moonwort
	<i>Botrychium crenulatum</i>	dainty moonwort
	<i>Botrychium lanceolatum</i>	triangle moonwort
	<i>Botrychium lunaria</i>	common moonwort
	<i>Botrychium yaaxudakeit</i>	Yaa Xu da Keit's moonwort
	<i>Botrypus virginianus</i>	rattlesnake fern
	<i>Dendrolycopodium dendroideum</i>	round-branched tree-clubmoss
	<i>Diphasiastrum alpinum</i>	alpine clubmoss
	<i>Diphasiastrum complanatum</i>	flatbranch clubmoss
	<i>Diphasiastrum sitchense</i>	Sitka clubmoss
	<i>Dryopteris expansa</i>	spreading woodfern
	<i>Gymnocarpium dryopteris</i>	common oak fern
	<i>Huperzia arctica</i>	Arctic firmoss
	<i>Huperzia selago</i>	northern fir-moss
	<i>Lycopodium clavatum</i>	running clubmoss
	<i>Lycopodium lagopus</i>	common clubmoss
	<i>Phegopteris connectilis</i>	northern beech fern
	<i>Polystichum lonchitis</i>	northern holly fern
<i>Selaginella selaginoides</i>	low spike moss	
<i>Spinulum annotinum</i>	stiff clubmoss	

Table 8 continues next page

Status	Scientific name	English name
Upland	<i>Asplenium viride</i>	green spleenwort
	<i>Botrychium alaskense</i>	Alaska moonwort
	<i>Botrychium hesperium</i>	western moonwort
	<i>Botrychium minganense</i>	Mingan moonwort
	<i>Botrychium pedunculatum</i>	stalked moonwort
	<i>Botrychium pinnatum</i>	northwestern moonwort
	<i>Botrychium spathulatum</i>	spatulate moonwort
	<i>Cryptogramma acrostichoides</i>	mountain parsley
	<i>Cryptogramma sitchensis</i>	Sitka parsley fern
	<i>Cystopteris fragilis</i>	fragile fern
	<i>Dryopteris fragrans</i>	fragrant woodfern
	<i>Polypodium sibiricum</i>	Siberian polypody
	<i>Selaginella sibirica</i>	Siberian spike moss
	<i>Woodsia alpina</i>	alpine woodsia
	<i>Woodsia glabella</i>	smooth woodsia
<i>Woodsia ilvensis</i>	rusty woodsia	
<i>Woodsia scopulina</i>	mountain cliff fern	

Table 9. Graminoid wetland indicator species.

Status	Scientific name	English name
Obligate	<i>Alopecurus aequalis</i>	short-awned foxtail
	<i>Arctophila fulva</i>	pendant grass
	<i>Bolboschoenus maritimus</i>	saltmarsh bulrush
	<i>Carex aquatilis</i>	water sedge
	<i>Carex aquatilis</i> ssp. <i>aquatilis</i>	water sedge
	<i>Carex arcta</i>	northern clustered sedge
	<i>Carex atherodes</i>	awned sedge
	<i>Carex bebbii</i>	Bebb's sedge
	<i>Carex bicolor</i>	two-colour sedge
	<i>Carex canescens</i>	silvery sedge
	<i>Carex canescens</i> ssp. <i>canescens</i>	silvery sedge
	<i>Carex chordorrhiza</i>	creeping sedge
	<i>Carex diandra</i>	lesser panicle sedge
	<i>Carex enanderi</i>	goose-grass sedge
	<i>Carex flava</i>	yellow sedge
	<i>Carex glareosa</i>	lesser saltmarsh sedge
	<i>Carex glareosa</i> ssp. <i>glareosa</i>	salt marsh sedge
	<i>Carex gynocrates</i>	northern bog sedge
<i>Carex heleonastes</i>	Hudson Bay sedge	

Table 9 continues next page

Status	Scientific name	English name
	<i>Carex interior</i>	inland sedge
	<i>Carex lapponica</i>	Lapland sedge
	<i>Carex lasiocarpa</i>	woolly-fruit sedge
	<i>Carex lenticularis</i>	shore sedge
	<i>Carex leptalea</i>	bristly-stalk sedge
	<i>Carex limosa</i>	mud sedge
	<i>Carex livida</i>	livid sedge
	<i>Carex loliacea</i>	ryegrass sedge
	<i>Carex magellanica</i>	poor sedge
	<i>Carex magellanica ssp. irrigua</i>	poor sedge
	<i>Carex marina</i>	sea sedge
	<i>Carex microglochin</i>	false uncinia sedge
	<i>Carex rariflora</i>	loose-flowered alpine sedge
	<i>Carex rostrata</i>	swollen beaked sedge
	<i>Carex subspathacea</i>	Hoppner's sedge
	<i>Carex tenuiflora</i>	sparse-flowered sedge
	<i>Carex utriculata</i>	northern beaked sedge
	<i>Carex vaginata</i>	sheathed sedge
	<i>Carex viridula</i>	little green sedge
	<i>Deschampsia brevifolia</i>	Melville Island hairgrass

Table 9 continues next page

Status	Scientific name	English name
	<i>Eleocharis acicularis</i>	least spike-rush
	<i>Eleocharis macrostachya</i>	long-headed spike-rush
	<i>Eleocharis mamillata</i>	soft-stem spike rush
	<i>Eleocharis palustris</i>	creeping spike-rush
	<i>Eleocharis quinqueflora</i>	few-flowered spike-rush
	<i>Eleocharis uniglumis</i>	single-glumed spike-rush
	<i>Eriophorum angustifolium</i>	narrow-leaved cottongrass
	<i>Eriophorum brachyantherum</i>	short-anther cottongrass
	<i>Eriophorum chamissonis</i>	Chamisso's cottongrass
	<i>Eriophorum gracile</i>	slender cottongrass
	<i>Eriophorum russeolum</i>	russet cottongrass
	<i>Eriophorum scheuchzeri</i>	Scheuchzer's cottongrass
	<i>Glyceria borealis</i>	boreal mannagrass
	<i>Glyceria grandis</i>	tall mannagrass
	<i>Glyceria pulchella</i>	Mackenzie Valley mannagrass
	<i>Glyceria striata</i>	fowl mannagrass
	<i>Juncus alpinoarticulatus</i>	alpine rush
	<i>Juncus balticus</i> ssp. <i>ater</i>	dark Baltic rush
	<i>Juncus biglumis</i>	two-flowered rush
	<i>Juncus bufonius</i>	toad rush

Table 9 continues next page

Status	Scientific name	English name
	<i>Juncus nodosus</i>	knotted rush
	<i>Juncus stygius</i>	moor rush
	<i>Puccinellia phryganodes</i>	creeping alkali grass
	<i>Puccinellia tenella</i> ssp. <i>langeana</i>	Lange's alkali grass
	<i>Schoenoplectus acutus</i>	hard-stem bulrush
	<i>Schoenoplectus pungens</i>	common three-square bulrush
	<i>Schoenoplectus tabernaemontani</i>	soft-stemmed bulrush
	<i>Scirpus microcarpus</i>	small-fruit bulrush
	<i>Scolochloa festucacea</i>	common river grass
	<i>Trichophorum alpinum</i>	Hudson Bay clubrush
	<i>Trichophorum cespitosum</i>	tufted clubrush
Facultative wetland	<i>Agrostis exarata</i>	spike bentgrass
	<i>Alopecurus magellanicus</i>	alpine foxtail
	<i>Alopecurus pratensis</i>	meadow foxtail
	<i>Anthoxanthum hirtum</i>	northern sweet grass
	<i>Calamagrostis stricta</i> ssp. <i>inexpansa</i>	New England northern reedgrass
	<i>Calamagrostis stricta</i> ssp. <i>stricta</i>	northern reedgrass
	<i>Carex anthoxanthea</i>	yellow-flowered sedge
	<i>Carex athrostachya</i>	slender-beak sedge
	<i>Carex atratiformis</i>	scabrous black sedge

Table 9 continues next page

Status	Scientific name	English name
	<i>Carex atosquama</i>	lesser black-scale sedge
	<i>Carex aurea</i>	golden-fruited sedge
	<i>Carex bigelowii</i> ssp. <i>lugens</i>	spruce muskeg sedge
	<i>Carex capillaris</i>	hair-like sedge
	<i>Carex consimilis</i>	Bigelow's sedge
	<i>Carex disperma</i>	softleaf sedge
	<i>Carex eleusinoides</i>	goosegrass sedge
	<i>Carex garberi</i>	Garber's sedge
	<i>Carex kelloggii</i>	Kellogg's sedge
	<i>Carex lachenalii</i>	Lachenal's sedge
	<i>Carex macrochaeta</i>	large-awned sedge
	<i>Carex media</i>	intermediate sedge
	<i>Carex membranacea</i>	fragile sedge
	<i>Carex micropoda</i>	small-rooted sedge
	<i>Carex nigricans</i>	black alpine sedge
	<i>Carex parryana</i>	Parry's sedge
	<i>Carex pauciflora</i>	few-flowered sedge
	<i>Carex podocarpa</i>	graceful mountain sedge
	<i>Carex praegracilis</i>	clustered field sedge
	<i>Carex saxatilis</i>	russet sedge

Table 9 continues next page

Status	Scientific name	English name
	<i>Carex spectabilis</i>	showy sedge
	<i>Carex stylosa</i>	long-styled sedge
	<i>Carex sychnocephala</i>	many-headed sedge
	<i>Deschampsia cespitosa</i>	tufted hairgrass
	<i>Deschampsia cespitosa</i> ssp. <i>cespitosa</i>	tufted hairgrass
	<i>Deschampsia sukatschewii</i>	dwarf hairgrass
	<i>Dupontia fisheri</i>	Fisher's tundra grass
	<i>Eriophorum callitrix</i>	beautiful cottongrass
	<i>Eriophorum triste</i>	tall cottongrass
	<i>Eriophorum vaginatum</i>	tussock cottongrass
	<i>Festuca minutiflora</i>	small-flowered fescue
	<i>Juncus arcticus</i>	Arctic rush
	<i>Juncus arcticus</i> var. <i>alaskanus</i>	Alaskan rush
	<i>Juncus castaneus</i>	chestnut rush
	<i>Juncus castaneus</i> ssp. <i>castaneus</i>	chestnut rush
	<i>Juncus drummondii</i>	Drummond's rush
	<i>Juncus dudleyi</i>	Dudley's rush
	<i>Juncus filiformis</i>	thread rush
	<i>Juncus triglumis</i>	three-flower rush
	<i>Juncus triglumis</i> var. <i>albescens</i>	northern white rush

Table 9 continues next page

Status	Scientific name	English name
	<i>Juncus triglumis</i> var. <i>triglumis</i>	three-flowered rush
	<i>Kobresia simpliciuscula</i>	simple kobresia
	<i>Luzula groenlandica</i>	Greenland woodrush
	<i>Luzula rufescens</i>	rusty woodrush
	<i>Luzula wahlenbergii</i>	Wahlenberg's woodrush
	<i>Muhlenbergia glomerata</i>	spike muhly
	<i>Phalaris arundinacea</i> var. <i>arundinacea</i>	reed canarygrass
	<i>Phippsia algida</i>	ice grass
	<i>Podagrostis humilis</i>	alpine bentgrass
	<i>Puccinellia angustata</i>	northern alkali grass
	<i>Puccinellia arctica</i>	Arctic alkali grass
	<i>Puccinellia nutkaensis</i>	Nootka alkali grass
	<i>Puccinellia vaginata</i>	tussock alkali grass
	<i>Torreyochloa pallida</i> var. <i>pauciflora</i>	weak false manna
	<i>Vahlodea atropurpurea</i>	mountain hairgrass
Facultative	<i>Agropyron fragile</i>	Siberian wheatgrass
	<i>Arctagrostis latifolia</i>	polar grass
	<i>Beckmannia syzigachne</i>	American sloughgrass
	<i>Bromus ciliatus</i>	fringed brome
	<i>Calamagrostis canadensis</i>	bluejoint reedgrass

Table 9 continues next page

Status	Scientific name	English name
	<i>Calamagrostis canadensis</i> ssp. <i>canadensis</i>	bluejoint reedgrass
	<i>Calamagrostis canadensis</i> ssp. <i>langsdorffii</i>	Langsdorff's reedgrass
	<i>Calamagrostis lapponica</i>	Lapland reedgrass
	<i>Carex capitata</i>	capitate sedge
	<i>Carex crawfordii</i>	Crawford's sedge
	<i>Carex fuliginosa</i>	short-leaf sedge
	<i>Carex krausei</i>	Krause's sedge
	<i>Carex macloviana</i>	Falkland Island sedge
	<i>Carex maritima</i>	seaside sedge
	<i>Carex microptera</i>	small-wing sedge
	<i>Carex pachystachya</i>	thick-headed sedge
	<i>Carex praticola</i>	northern meadow sedge
	<i>Cinna latifolia</i>	drooping woodreed
	<i>Dactylis glomerata</i>	orchard grass
	<i>Danthonia intermedia</i>	timber oat grass
	<i>Festuca altaica</i>	Altai fescue
	<i>Festuca richardsonii</i>	Richardson's fescue
	<i>Juncus mertensianus</i>	Merten's rush
	<i>Koeleria asiatica</i>	oriental junegrass
	<i>Koeleria spicata</i>	spike trisetum

Table 9 continues next page

Status	Scientific name	English name
	<i>Luzula confusa</i>	northern woodrush
	<i>Luzula nivalis</i>	Arctic woodrush
	<i>Luzula parviflora</i>	small-flowered woodrush
	<i>Poa annua</i>	annual bluegrass
	<i>Poa arctica</i>	Arctic bluegrass
	<i>Poa arctica</i> ssp. <i>arctica</i>	Arctic bluegrass
	<i>Poa arctica</i> ssp. <i>lanata</i>	hairy bluegrass
	<i>Poa compressa</i>	Canada bluegrass
	<i>Poa interior</i>	inland bluegrass
	<i>Poa leptocoma</i>	western bog bluegrass
	<i>Poa nemoralis</i>	Eurasian woodland bluegrass
	<i>Poa palustris</i>	fowl bluegrass
	<i>Poa pratensis</i>	Kentucky bluegrass
	<i>Poa pratensis</i> ssp. <i>alpigena</i>	alpine meadow bluegrass
	<i>Poa pratensis</i> ssp. <i>pratensis</i>	Kentucky bluegrass
	<i>Poa trivialis</i>	rough bluegrass
	<i>Schizachne purpurascens</i>	purple oat
	<i>Sibirotrisetum sibiricum</i>	Siberian oat grass
	<i>Trichophorum pumilum</i>	dwarf clubrush
		<i>Agrostis mertensii</i>

Table 9 continues next page

Status	Scientific name	English name
Facultative upland	<i>Anthoxanthum monticola</i>	alpine sweet grass
	<i>Anthoxanthum monticola</i> ssp. <i>alpinum</i>	alpine sweet grass
	<i>Bromus inermis</i>	smooth brome
	<i>Bromus richardsonii</i>	Richardson's brome
	<i>Carex albonigra</i>	black-and-white scale sedge
	<i>Carex concinna</i>	low northern sedge
	<i>Carex deflexa</i>	short-stemmed sedge
	<i>Carex deweyana</i>	Dewey's sedge
	<i>Carex eburnea</i>	bristle-leaved sedge
	<i>Carex foenea</i>	bronze sedge
	<i>Carex microchaeta</i>	small-awned sedge
	<i>Carex microchaeta</i> ssp. <i>microchaeta</i>	small-awned sedge
	<i>Carex obtusata</i>	blunt sedge
	<i>Carex scirpoidea</i>	single-spike sedge
	<i>Carex siccata</i>	dry-spike sedge
	<i>Elymus alaskanus</i> ssp. <i>hyperarcticus</i>	tundra wild rye
	<i>Elymus canadensis</i>	Canada wild rye
	<i>Elymus glaucus</i>	blue wild rye
	<i>Elymus repens</i>	quack grass
	<i>Elymus sibiricus</i>	Siberian wild rye

Table 9 continues next page

Status	Scientific name	English name
	<i>Elymus trachycaulus</i>	slender wheatgrass
	<i>Elymus trachycaulus</i> ssp. <i>subsecundus</i>	slender wheatgrass
	<i>Elymus trachycaulus</i> ssp. <i>trachycaulus</i>	slender wheatgrass
	<i>Festuca rubra</i>	red fescue
	<i>Festuca rubra</i> ssp. <i>rubra</i>	red fescue
	<i>Hordeum jubatum</i>	foxtail barley
	<i>Kobresia myosuroides</i>	pacific kobresia
	<i>Leymus mollis</i>	sea lyme grass
	<i>Leymus mollis</i> ssp. <i>mollis</i>	sea lyme grass
	<i>Lolium perenne</i>	perennial ryegrass
	<i>Luzula arcuata</i>	curved woodrush
	<i>Luzula multiflora</i>	common woodrush
	<i>Luzula spicata</i>	spiked woodrush
	<i>Muhlenbergia richardsonis</i>	mat muhly
	<i>Phleum pratense</i>	meadow timothy
	<i>Poa abbreviata</i>	abbreviated bluegrass
	<i>Poa alpina</i>	alpine bluegrass
	<i>Poa secunda</i>	curly bluegrass
	<i>Poa secunda</i> ssp. <i>secunda</i>	Sandberg's bluegrass
	<i>Sphenopholis intermedia</i>	slender wedge grass

Table 9 continues next page

Status	Scientific name	English name
Upland	<i>Agropyron cristatum</i>	crested wheatgrass
	<i>Agrostis capillaris</i>	colonial bentgrass
	<i>Avena sativa</i>	cultivated oats
	<i>Bromus pumpellianus</i>	Pumpelly's brome
	<i>Calamagrostis purpurascens</i>	purple reedgrass
	<i>Carex brunnescens</i>	brownish sedge
	<i>Carex duriuscula</i>	needle-leaved sedge
	<i>Carex filifolia</i>	thread-leaved sedge
	<i>Carex glacialis</i>	glacier sedge
	<i>Carex incurviformis</i>	curved-spike sedge
	<i>Carex nardina</i>	nard sedge
	<i>Carex petasata</i>	pasture sedge
	<i>Carex petricosa</i>	rock dwelling sedge
	<i>Carex phaeocephala</i>	dunhead sedge
	<i>Carex rupestris</i>	rock sedge
	<i>Carex sabulosa</i>	Baikal sedge
	<i>Carex supina</i>	weak Arctic sedge
	<i>Carex supina ssp. spaniocarpa</i>	weak Arctic sedge
	<i>Carex tahoensis</i>	Lake Tahoe sedge
	<i>Carex xerantica</i>	dryland sedge

Table 9 continues next page

Status	Scientific name	English name
	<i>x Elyhordeum macounii</i>	Macoun's wild rye
	<i>Elymus alaskanus</i>	Alaska wild rye
	<i>Elymus lanceolatus</i>	thick-spike wild rye
	<i>Elymus lanceolatus ssp. psammophilus</i>	sand-dune wild rye
	<i>Eriocoma nelsonii</i>	Nelson's needle grass
	<i>Eriocoma richardsonii</i>	Richardson's needle grass
	<i>Festuca baffinensis</i>	Baffin fescue
	<i>Festuca brachyphylla</i>	short-leaved fescue
	<i>Festuca saximontana</i>	rocky mountain fescue
	<i>Festuca trachyphylla</i>	hard fescue
	<i>Festuca viviparoides</i>	viviparous fescue
	<i>Helictochloa hookeri</i>	Hooker's oatgrass
	<i>Hesperostipa comata</i>	needle and thread
	<i>Kobresia sibirica</i>	Siberian kobresia
	<i>Koeleria macrantha</i>	prairie junegrass
	<i>Leymus angustus</i>	narrow-leaf lyme grass
	<i>Leymus innovatus</i>	northwestern wild rye
	<i>Lolium multiflorum</i>	annual ryegrass
	<i>Luzula kjellmaniana</i>	Kjellman's woodrush
	<i>Luzula piperi</i>	Piper's woodrush

Table 9 continues next page

Status	Scientific name	English name
	<i>Oryzopsis asperifolia</i>	white-grained mountain-ricegrass
	<i>Phleum alpinum</i>	alpine timothy
	<i>Piptatherum pungens</i>	mountain rice
	<i>Poa cusickii</i>	Cusick's bluegrass
	<i>Poa cusickii</i> ssp. <i>pallida</i>	Cusick's pale bluegrass
	<i>Poa glauca</i>	glaucous bluegrass
	<i>Poa glauca</i> ssp. <i>glauca</i>	glaucous bluegrass
	<i>Poa paucispicula</i>	few-flowered bluegrass
	<i>Poa pseudoabbreviata</i>	polar bluegrass
	<i>Puccinellia distans</i>	spreading alkali grass
	<i>Schedonorus arundinaceus</i>	tall fescue
	<i>Secale cereale</i>	common rye
	<i>Thinopyrum intermedium</i>	intermediate wheatgrass



ryegrass sedge (*Carex loliacea*)

Table 10. Lichen wetland indicator species.

Status	Scientific name	English name
Facultative wetland	<i>Cetrariella delisei</i>	snowbed Iceland lichen
	<i>Cladonia stygia</i>	black-footed reindeer lichen
	<i>Cladonia trassii</i>	spotted black-fool lichen
	<i>Peltigera britannica</i>	flaky freckle pelt lichen
	<i>Peltigera neckeri</i>	black-saddle pelt lichen
	<i>Platismatia norvegica</i>	oldgrowth rag lichen
	<i>Protopannaria pezizoides</i>	brown-gray moss-shingle lichen
	<i>Solorina crocea</i>	orange chocolate chip lichen
	<i>Solorina saccata</i>	common chocolate chip lichen
Facultative	<i>Allocetraria madreporiformis</i>	v-fingers lichen
	<i>Bryoria americana</i>	elegant horsehair lichen
	<i>Bryoria pseudofuscescens</i>	mountain horsehair lichen
	<i>Cetraria laevigata</i>	striped Iceland lichen
	<i>Cladonia amaurocraea</i>	quill lichen
	<i>Cladonia arbuscula</i>	reindeer lichen
	<i>Cladonia arbuscula ssp. beringiana</i>	Bering reindeer lichen
	<i>Cladonia arbuscula ssp. mitis</i>	green reindeer lichen
	<i>Cladonia coccifera</i>	madame pixie

Table 10 continues next page

Status	Scientific name	English name
	<i>Cladonia crispata</i>	organpipe lichen
	<i>Cladonia crispata</i> var. <i>cetrariiiformis</i>	greater organpipe lichen
	<i>Cladonia deformis</i>	lesser sulphur-cup lichen
	<i>Cladonia digitata</i>	fingered pixie-cup lichen
	<i>Cladonia ecmocyna</i>	orange-footed pixie lichen
	<i>Cladonia rangiferina</i>	gray reindeer lichen
	<i>Cladonia scabriuscula</i>	mealy forked lichen
	<i>Cladonia stellaris</i>	star reindeer lichen
	<i>Dactylina arctica</i>	Arctic butterfingers lichen
	<i>Dactylina beringica</i>	Beringian butterfingers lichen
	<i>Dactylina ramulosa</i>	frosted fingers lichen
	<i>Flavocetraria cucullata</i>	curled snow lichen
	<i>Fuscopannaria praetermissa</i>	moss shingle lichen
	<i>Icmadophila ericetorum</i>	fairy puke
	<i>Masonhalea richardsonii</i>	Arctic tumbleweed lichen
	<i>Peltigera scabrosa</i>	greater toad pelt lichen
	<i>Peltigera venosa</i>	fan pelt lichen
	<i>Phaeorrhiza nimbose</i>	brown-fuzz lichen
	<i>Psoroma hypnorum</i>	green moss-shingle lichen
	<i>Ramalina roesleri</i>	frayed ramalina

Table 10 continues next page

Status	Scientific name	English name
Facultative upland	<i>Arctomia delicatula</i>	delicate arctomia lichen
	<i>Asahinea chrysantha</i>	Arctic rag lichen
	<i>Bacidia bagliettoana</i>	Bagliettoa's dot lichen
	<i>Baeomyces carneus</i>	scale beret lichen
	<i>Baeomyces placophyllus</i>	carpet beret lichen
	<i>Baeomyces rufus</i>	brown-beret lichen
	<i>Bryoria furcellata</i>	burred horsehair lichen
	<i>Buellia erubescens</i>	common button lichen
	<i>Cetraria aculeata</i>	spiny heath lichen
	<i>Cetraria ericetorum</i>	Iceland lichen
	<i>Cetraria ericetorum</i> ssp. <i>reticulata</i>	net-forming Iceland lichen
	<i>Cetraria islandica</i>	true Iceland lichen
	<i>Cetraria islandica</i> ssp. <i>crispiformis</i>	speckled Iceland moss lichen
	<i>Cetraria islandica</i> ssp. <i>islandica</i>	true Iceland lichen
	<i>Cetraria muricata</i>	spiny heath lichen
	<i>Cetraria nigricans</i>	blackened Iceland lichen
	<i>Cetrariella commixta</i>	brown-bellied camouflage lichen
	<i>Cladonia acuminata</i>	pointed cup lichen
<i>Cladonia alaskana</i>	Alaskan pixie lichen	
<i>Cladonia albonigra</i>	black-footed pixie-cup lichen	

Table 10 continues next page

Status	Scientific name	English name
	<i>Cladonia bellidiflora</i>	floral pixie lichen
	<i>Cladonia borealis</i>	boreal pixie-cup lichen
	<i>Cladonia botrytes</i>	wooden soldiers lichen
	<i>Cladonia cariosa</i>	lesser ribbed pixie lichen
	<i>Cladonia carneola</i>	crowned pixie-cup lichen
	<i>Cladonia cenotea</i>	powdered funnel lichen
	<i>Cladonia cervicornis</i>	browned pixie-cup lichen
	<i>Cladonia chlorophaea</i>	mealy pixie-cup lichen
	<i>Cladonia coniocraea</i>	common pixie powderhorn
	<i>Cladonia cornuta</i>	bighorn pixie lichen
	<i>Cladonia cornuta</i> ssp. <i>cornuta</i>	bighorn pixie lichen
	<i>Cladonia cyanipes</i>	blue-footed pixie lichen
	<i>Cladonia decorticata</i>	branching pixie pebblehorn
	<i>Cladonia fimbriata</i>	trumpeting lichen
	<i>Cladonia furcata</i>	forking lichen
	<i>Cladonia gracilis</i>	smooth lichen
	<i>Cladonia gracilis</i> ssp. <i>elongata</i>	black-footed lichen
	<i>Cladonia gracilis</i> ssp. <i>turbinata</i>	bronzed lichen
	<i>Cladonia grayi</i>	Gray's pixie cup lichen
	<i>Cladonia macilenta</i> var. <i>bacillaris</i>	brown pin lichen

Table 10 continues next page

Status	Scientific name	English name
	<i>Cladonia macroceras</i>	bullet-proof lichen
	<i>Cladonia macrophylla</i>	fig-leaved lichen
	<i>Cladonia macrophyllodes</i>	large-leaved lichen
	<i>Cladonia merochlorophaea</i>	gritty pixie-cup lichen
	<i>Cladonia multiformis</i>	sieve lichen
	<i>Cladonia ochrochlora</i>	smooth-footed powderhorn lichen
	<i>Cladonia phyllophora</i>	felt lichen
	<i>Cladonia pleurota</i>	red-fruited pixie-cup lichen
	<i>Cladonia pocillum</i>	rosette pixie-cup lichen
	<i>Cladonia pyxidata</i>	pebbled pixie-cup lichen
	<i>Cladonia scotteri</i>	Scotter's pixie- up lichen
	<i>Cladonia squamosa</i>	dragon lichen
	<i>Cladonia subfurcata</i>	many-forked cladonia
	<i>Cladonia subulata</i>	antlered powdered horn lichen
	<i>Cladonia sulphurina</i>	greater sulphur-cup lichen
	<i>Cladonia uncialis</i>	thorn lichen
	<i>Cladonia verruculosa</i>	western wand lichen
	<i>Flavocetraria nivalis</i>	crinkled snow lichen
	<i>Lecanora epibryon</i>	mossbane rim lichen
	<i>Lobaria linita</i>	cabbage lungwort lichen

Table 10 continues next page

Status	Scientific name	English name
	<i>Melanelia hepaticum</i>	rimmed camouflage lichen
	<i>Nephroma arcticum</i>	Arctic kidney lichen
	<i>Nephroma expallidum</i>	alpine kidney lichen
	<i>Nephroma parile</i>	powdery kidney lichen
	<i>Nephroma resupinatum</i>	pimpled kidney lichen
	<i>Peltigera aphthosa</i>	common freckle pelt lichen
	<i>Peltigera canina</i>	dog lichen
	<i>Peltigera didactyla</i>	alternating pelt lichen
	<i>Peltigera elisabethae</i>	concentric pelt lichen
	<i>Peltigera evansiana</i>	peppered pelt lichen
	<i>Peltigera horizontalis</i>	flat-fruited pelt lichen
	<i>Peltigera latiloba</i>	a pelt lichen
	<i>Peltigera lepidophora</i>	scaly pelt lichen
	<i>Peltigera leucophlebia</i>	ruffled freckle pelt lichen
	<i>Peltigera malacea</i>	veinless pelt lichen
	<i>Peltigera neopolydactyla</i>	undulating pelt lichen
	<i>Peltigera polydactylon</i>	many-fruited pelt lichen
	<i>Peltigera ponojensis</i>	pale-bellied pelt lichen
	<i>Peltigera praetextata</i>	born-again pelt lichen
	<i>Peltigera retifoveata</i>	sponge pelt lichen

Table 10 continues next page

Status	Scientific name	English name
	<i>Sphaerophorus globosus</i>	northern coral lichen
	<i>Stereocaulon alpinum</i>	alpine foam lichen
	<i>Stereocaulon paschale</i>	Easter foam lichen
	<i>Stereocaulon tomentosum</i>	woolly foam lichen
	<i>Thamnolia vermicularis</i>	universal white worm lichen
	<i>Tuckermannopsis sepincola</i>	eyed chestnut wrinkle lichen
	<i>Tuckermannopsis subalpina</i>	arboreal wrinkle lichen
	<i>Vulpicida canadensis</i>	brown-eyed sunshine lichen
	<i>Vulpicida juniperina</i>	limestone sunshine lichen
	<i>Vulpicida pinastri</i>	powdered sunshine lichen
Upland	<i>Acarospora glaucocarpa</i>	rimmed cobblestone lichen
	<i>Alectoria ochroleuca</i>	green witch's hair lichen
	<i>Alectoria sarmentosa</i>	common witch's hair lichen
	<i>Allantoparmelia almquistii</i>	lesser rock grub lichen
	<i>Allantoparmelia alpicola</i>	greater rock grub lichen
	<i>Amygdalaria panaeola</i>	powdery almond lichen
	<i>Arctoparmelia centrifuga</i>	concentric ring lichen
	<i>Arctoparmelia incurva</i>	finger ring lichen
	<i>Arctoparmelia separata</i>	rippled ring lichen
	<i>Arthrorhaphis alpina</i>	alpine dot lichen

Table 10 continues next page

Status	Scientific name	English name
	<i>Arthrorhaphis citrinella</i>	golden dot lichen
	<i>Asahinea scholanderi</i>	Scholander's rag lichen
	<i>Aspicilia cinerea</i>	cinder lichen
	<i>Bellemeria cinereorufescens</i>	ashy-rust bellemere lichen
	<i>Biatora sphaeroides</i>	a dot lichen
	<i>Bilimbia lobulata</i>	English name not available
	<i>Blastenia ammiospila</i>	cinnamon firedot lichen
	<i>Brodoa oroarctica</i>	mountain diamondback lichen
	<i>Bryocaulon divergens</i>	heath foxhair lichen
	<i>Bryonora castanea</i>	chestnut bryonora lichen
	<i>Bryoplaca jungermanniae</i>	Jungermann's firedot lichen
	<i>Bryoria fremontii</i>	edible horsehair lichen
	<i>Bryoria fuscescens</i>	pale-footed horsehair lichen
	<i>Bryoria glabra</i>	wire horsehair lichen
	<i>Bryoria nitidula</i>	tundra horsehair lichen
	<i>Caloplaca epithallina</i>	parasitic firedot lichen
	<i>Caloplaca stillicidiorum</i>	gray-rimmed firedot lichen
	<i>Calvitimela armeniaca</i>	tundra black-eye lichen
	<i>Candelaria concolor</i>	candleflame lichen
	<i>Candelariella aurella</i>	hidden goldspeck lichen

Table 10 continues next page

Status	Scientific name	English name
	<i>Candelariella vitellina</i>	common goldspeck lichen
	<i>Carbonea vorticosa</i>	English name not available
	<i>Catapyrenium cinereum</i>	gray earthscale lichen
	<i>Dermatocarpon miniatum</i>	common stippleback lichen
	<i>Diploschistes scruposus</i>	crater lichen
	<i>Diplotomma alboatrum</i>	a microlichen
	<i>Enchylium bachmanianum</i>	Bachman's tarpaper lichen
	<i>Enchylium polycarpon</i>	shaly tarpaper lichen
	<i>Enchylium tenax</i>	soil tarpaper lichen
	<i>Endocarpon pusillum</i>	scaly stippled lichen
	<i>Evernia mesomorpha</i>	boreal oakmoss lichen
	<i>Evernia perfragilis</i>	Arctic oakmoss lichen
	<i>Gowardia nigricans</i>	gray witch's hair
	<i>Gyalolechia bracteata</i>	gold-nugget sulphur lichen
	<i>Hypogymnia austerodes</i>	varnished tube lichen
	<i>Hypogymnia bitteri</i>	powdered tube lichen
	<i>Hypogymnia enteromorpha</i>	budding tube lichen
	<i>Hypogymnia physodes</i>	monk's hood lichen
	<i>Hypogymnia subobscura</i>	viviparous tube lichen
	<i>Hypogymnia vittata</i>	slender monk's hood lichen

Table 10 continues next page

Status	Scientific name	English name
	<i>Imshaugia aleurites</i>	salted starburst lichen
	<i>Lasallia pensylvanica</i>	Pennsylvania toadskin lichen
	<i>Lathagrium undulatum</i>	jelly flakes lichen
	<i>Lecanora allophana</i>	brown-eyed rim-lichen
	<i>Lecanora frustulosa</i>	English name not available
	<i>Lecanora impudens</i>	a rim lichen
	<i>Lecanora luteoernalis</i>	English name not available
	<i>Lecanora pulicaris</i>	common rim lichen
	<i>Lecanora rupicola</i>	white rim lichen
	<i>Lecanora subintricata</i>	false puzzle piece rim lichen
	<i>Lecidea atrobrunnea</i>	brown tile lichen
	<i>Lecidea auriculata</i>	granite disk lichen
	<i>Lecidea lapicida</i>	gray-orange disk lichen
	<i>Lecidea tessellata</i>	mosaic tile lichen
	<i>Lecidella stigmatea</i>	disk lichen
	<i>Lecidella wulfenii</i>	Wulfen's disk lichen
	<i>Lepra dactylina</i>	finger wart lichen
	<i>Lepra panyrga</i>	Arctic wart lichen
	<i>Lepra subdactylina</i>	white pinky wart lichen
	<i>Lepraria membranacea</i>	lepraria lichen

Table 10 continues next page

Status	Scientific name	English name
	<i>Lepraria neglecta</i>	zoned dust lichen
	<i>Leptogium saturninum</i>	bearded jellyskin lichen
	<i>Lichenomphalia hudsoniana</i>	Arctic mushroom scales lichen
	<i>Lobaria pulmonaria</i>	lungwort lichen
	<i>Lopadium coralloideum</i>	coral urn lichen
	<i>Lopadium pezizoideum</i>	moss urn lichen
	<i>Megaspora verrucosa</i>	false sunken disk lichen
	<i>Melanelia stygia</i>	alpine camouflage lichen
	<i>Melanohalea infumata</i>	salted camouflage lichen
	<i>Melanohalea olivacea</i>	spotted camouflage lichen
	<i>Melanohalea septentrionalis</i>	northern camouflage lichen
	<i>Micarea assimilata</i>	assimilative dot lichen
	<i>Micarea melaena</i>	English name not available
	<i>Montanelia disjuncta</i>	mealy camouflage lichen
	<i>Montanelia panniformis</i>	shingled camouflage lichen
	<i>Mycobilimbia epixanthoides</i>	yellow-green moss dot lichen
	<i>Mycoblastus alpinus</i>	alpine blood lichen
	<i>Myriolecis dispersa</i>	mortar rim lichen
	<i>Myriolecis hagenii</i>	Hagen's rim lichen
	<i>Myriolecis zosteræ</i>	detritus rim lichen

Table 10 continues next page

Status	Scientific name	English name
	<i>Ochrolechia androgyna</i>	powdery saucer lichen
	<i>Ochrolechia arborea</i>	tree saucer lichen
	<i>Ochrolechia gyalectina</i>	English name not available
	<i>Ochrolechia inaequatula</i>	crabseye lichen
	<i>Ochrolechia mahuensis</i>	powdery saucer lichen
	<i>Ochrolechia upsaliensis</i>	tundra saucer lichen
	<i>Ophioparma lapponica</i>	Lapland bloodspot lichen
	<i>Pannaria hookeri</i>	Arctic shingle lichen
	<i>Parmelia fraudans</i>	pea-green shield lichen
	<i>Parmelia omphalodes</i>	smoky shield lichen
	<i>Parmelia saxatilis</i>	salted shield lichen
	<i>Parmelia sulcata</i>	hammered shield lichen
	<i>Parmeliopsis ambigua</i>	green starburst lichen
	<i>Parmeliopsis hyperopta</i>	gray starburst lichen
	<i>Peltigera rufescens</i>	black-bellied pelt lichen
	<i>Pertusaria bryontha</i>	alpine moss pertusaria
	<i>Pertusaria coriacea</i>	English name not available
	<i>Pertusaria geminipara</i>	English name not available
	<i>Pertusaria octomela</i>	mela wart lichen
	<i>Pertusaria oculata</i>	eyed wart lichen

Table 10 continues next page

Status	Scientific name	English name
	<i>Phaeophyscia constipata</i>	pincushion shadow lichen
	<i>Phaeophyscia endococcina</i>	starburst shadow lichen
	<i>Phaeophyscia sciastra</i>	dark shadow lichen
	<i>Physcia aipolia</i>	hoary rosette lichen
	<i>Physcia caesia</i>	blue-gray rosette lichen
	<i>Physcia dubia</i>	powder-tipped rosette lichen
	<i>Physconia detersa</i>	bottlebrush frost lichen
	<i>Physconia muscigena</i>	ground frost lichen
	<i>Pilophorus dovreensis</i>	matchstick lichen
	<i>Placidium lachneum</i>	earth lichen
	<i>Placidium squamulosum</i>	limy soil stipplescale lichen
	<i>Placynthium asperellum</i>	liliput ink lichen
	<i>Placynthium nigrum</i>	common ink lichen
	<i>Platismatia glauca</i>	varied rag lichen
	<i>Polyblastia cupularis</i>	a polyblastia lichen
	<i>Polyblastia theleodes</i>	capsuled polyblastia lichen
	<i>Polycauliona polycarpa</i>	pincushion sunburst lichen
	<i>Polychidium muscicola</i>	eyed mossthorns lichen
	<i>Porpidia flavicunda</i>	orange boulder lichen
	<i>Protoblastenia rupestris</i>	orange dot lichen

Table 10 continues next page

Status	Scientific name	English name
	<i>Protoblastenia terricola</i>	tundra pillows
	<i>Protoparmelia badia</i>	chocolate rim lichen
	<i>Pseudephebe minuscula</i>	coarse rockwool lichen
	<i>Pseudephebe pubescens</i>	finer rockwool lichen
	<i>Psora decipiens</i>	blushing scale lichen
	<i>Psora globifera</i>	blackberry scale lichen
	<i>Psora rubiformis</i>	pea-green scale lichen
	<i>Ramalina dilacerata</i>	punctured ribbon lichen
	<i>Ramalina intermedia</i>	rock ribbon lichen
	<i>Ramalina labiosorediata</i>	chalky ribbon lichen
	<i>Rhizocarpon chioneum</i>	snowy map lichen
	<i>Rhizocarpon cinereovirens</i>	English name not available
	<i>Rhizocarpon concentricum</i>	concentric map lichen
	<i>Rhizocarpon copelandii</i>	Copeland's map lichen
	<i>Rhizocarpon eupetraeoides</i>	English name not available
	<i>Rhizocarpon geographicum</i>	yellow map lichen
	<i>Rhizocarpon grande</i>	large map lichen
	<i>Rhizocarpon macrosporum</i>	lemon map lichen
	<i>Rhizocarpon superficiale</i>	superficial map lichen
	<i>Rhizocarpon superficiale ssp. boreale</i>	superficial map lichen

Table 10 continues next page

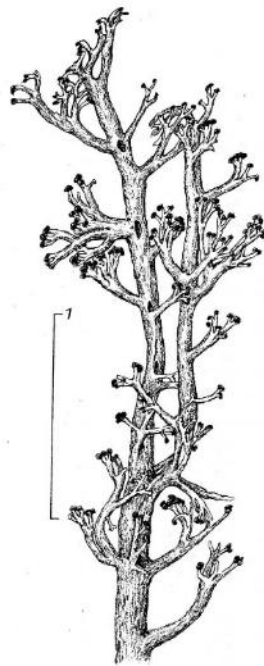
Status	Scientific name	English name
	<i>Rhizocarpon umbilicatum</i>	English name not available
	<i>Rhizoplaca chrysoleuca</i>	orange rock-posy lichen
	<i>Rinodina archaea</i>	brown pepper-spore lichen
	<i>Rinodina olivaceobrunnea</i>	olive-brown pepper-spore lichen
	<i>Rinodina roscida</i>	a pepper-spore lichen
	<i>Rinodina terrestris</i>	earth pepper-spore lichen
	<i>Rinodina turfacea</i>	tundra pepper-spore lichen
	<i>Rusavskia elegans</i>	elegant sunburst lichen
	<i>Solorina bispora</i>	lesser tundra owl lichen
	<i>Solorina octospora</i>	greater tundra owl lichen
	<i>Solorina spongiosa</i>	fringed chocolate chip lichen
	<i>Sphaerophorus fragilis</i>	fragile coral lichen
	<i>Spilonema revertens</i>	rock hairball lichen
	<i>Sporastatia testudinea</i>	copper patch lichen
	<i>Stereocaulon arenarium</i>	sandy foam lichen
	<i>Stereocaulon botryosum</i>	cauliflower foam lichen
	<i>Stereocaulon condensatum</i>	granular soil foam lichen
	<i>Stereocaulon glareosum</i>	gravel-soil foam lichen
	<i>Stereocaulon grande</i>	grand foam lichen
	<i>Stereocaulon rivulorum</i>	snow foam lichen

Table 10 continues next page

Status	Scientific name	English name
	<i>Stereocaulon saxatile</i>	rock foam lichen
	<i>Stereocaulon subcoralloides</i>	coralloid foam lichen
	<i>Sticta arctica</i>	Arctic moon lichen
	<i>Tephromela atra</i>	black-eye lichen
	<i>Thrombium epigaeum</i>	earthy lump lichen
	<i>Toninia arctica</i>	Arctic blister lichen
	<i>Toninia sedifolia</i>	blue blister lichen
	<i>Trapeliopsis granulosa</i>	mottled-disk lichen
	<i>Tremolecia atrata</i>	rusty-rock lichen
	<i>Tuckermannopsis americana</i>	fringed wrinkle lichen
	<i>Umbilicaria arctica</i>	Arctic rock tripe lichen
	<i>Umbilicaria cinereorufescens</i>	questionable rock tripe lichen
	<i>Umbilicaria cylindrica</i>	fringed rock tripe lichen
	<i>Umbilicaria deusta</i>	peppered rock tripe lichen
	<i>Umbilicaria havaasii</i>	Havaa's rock tripe lichen
	<i>Umbilicaria hyperborea</i>	blistered rock tripe lichen
	<i>Umbilicaria polyphylla</i>	petalled rock tripe lichen
	<i>Umbilicaria proboscidea</i>	greater salted rock tripe lichen
	<i>Umbilicaria rigida</i>	roughened rocktripe lichen
	<i>Umbilicaria torrefacta</i>	punctured rock tripe lichen

Table 10 continues next page

Status	Scientific name	English name
	<i>Umbilicaria vellea</i>	grizzled rock tripe lichen
	<i>Usnea glabrata</i>	lustrous beard lichen
	<i>Usnea hirta</i>	bristly beard lichen
	<i>Usnea subfloridana</i>	nit beard lichen
	<i>Verrucaria divergens</i>	diverged speck lichen
	<i>Verrucaria muralis</i>	a speck lichen
	<i>Vestergrenopsis isidiata</i>	peppered brownett lichen
	<i>Xanthomendoza fallax</i>	hooded sunburst lichen
	<i>Xanthoparmelia coloradoensis</i>	Colorado rock-shield lichen



green reindeer lichen (*Cladonia arbuscula* ssp. *mitis*)

Table 11. Moss wetland indicator species.

Status	Scientific name	English name
Obligate	<i>Amblyodon dealbatus</i>	short-tooth hump moss
	<i>Calliergon cordifolium</i>	heart-leaved spear moss
	<i>Calliergon giganteum</i>	giant water moss
	<i>Calliergon richardsonii</i>	Richardson's spear moss
	<i>Campylium stellatum</i>	yellow starry fen moss
	<i>Catoscopium nigratum</i>	black golf club moss
	<i>Cinclidium arcticum</i>	Arctic cinclidium moss
	<i>Cinclidium latifolium</i>	wideleaf cinclidium moss
	<i>Cinclidium stygium</i>	sooty cupola moss
	<i>Cratoneuron filicinum</i>	fern-leaved hook moss
	<i>Drepanocladus aduncus</i>	Knieff's hook moss
	<i>Drepanocladus longifolius</i>	long-leaved hook moss
	<i>Drepanocladus polygamus</i>	polygamous hook moss
	<i>Hamatocaulis lapponicus</i>	Lapland hook moss
	<i>Hamatocaulis vernicosus</i>	varnished hook moss
	<i>Henediella heimii</i>	Heim's pottia
	<i>Hygrohypnum alpinum</i>	alpine hygrohypnum moss
	<i>Hygrohypnum bestii</i>	Best's hygrohypnum moss
	<i>Hygrohypnum cochleariifolium</i>	ear-leaf brook moss
	<i>Hygrohypnum luridum</i>	drab brook moss
	<i>Hygrohypnum molle</i>	Smith's boat moss
	<i>Hygrohypnum ochraceum</i>	claw brook moss
	<i>Hygrohypnum polare</i>	polar brook moss
<i>Leptodictyum riparium</i>	streamside leptodictyum moss	
<i>Loeskyppnum badium</i>	sickle-leaved loeskyppnum moss	

Table 11 continues next page

Status	Scientific name	English name
	<i>Meesia longiseta</i>	slender cold moss
	<i>Meesia triquetra</i>	three-ranked cold moss
	<i>Meesia uliginosa</i>	revolute cold moss
	<i>Paludella squarrosa</i>	tufted fen moss
	<i>Palustriella falcata</i>	curled hook moss
	<i>Philonotis fontana</i>	fountain apple moss
	<i>Pohlia wahlenbergii</i>	Wahlenberg's nodding moss
	<i>Polytrichum strictum</i>	bog haircap moss
	<i>Pseudocalliergon angustifolium</i>	narrowleaf spear moss
	<i>Pseudocalliergon brevifolium</i>	short-leaved spear moss
	<i>Pseudocalliergon trifarium</i>	three-ranked moss
	<i>Pseudocalliergon turgescens</i>	turgid scorpion moss
	<i>Pterygoneurum kozlovii</i>	alkaline wing-nerved moss
	<i>Pterygoneurum lamellatum</i>	spiral chalk moss
	<i>Sarmentypnum exannulatum</i>	ringless hookmoss
	<i>Sarmentypnum sarmentosum</i>	twiggy spear moss
	<i>Sarmentypnum trichophyllum</i>	English name not available
	<i>Sarmentypnum tundrae</i>	tundra hook moss
	<i>Scorpidium cossonii</i>	Cosson's hook moss
	<i>Scorpidium scorpioides</i>	hooked scorpion moss
	<i>Sphagnum angustifolium</i>	narrow-leaved peat moss
	<i>Sphagnum annulatum</i>	ringed peat moss
	<i>Sphagnum aongstroemii</i>	Aongtroem's peat moss
	<i>Sphagnum balticum</i>	Baltic peat moss
	<i>Sphagnum compactum</i>	compact peat moss
	<i>Sphagnum fimbriatum</i>	fringed peat moss

Table 11 continues next page

Status	Scientific name	English name
	<i>Sphagnum fuscum</i>	brown peat moss
	<i>Sphagnum girgensohnii</i>	Girgensohn's peat moss
	<i>Sphagnum lenense</i>	Lena River peat moss
	<i>Sphagnum lindbergii</i>	Lindberg's peat moss
	<i>Sphagnum obtusum</i>	obtuse peat moss
	<i>Sphagnum orientale</i>	oriental peatmoss
	<i>Sphagnum platyphyllum</i>	flat-leaved peat moss
	<i>Sphagnum riparium</i>	streamside peat moss
	<i>Sphagnum russowii</i>	Russow's peat moss
	<i>Sphagnum teres</i>	rigid peat moss
	<i>Sphagnum tesorum</i>	Beringian peat moss
	<i>Sphagnum tundrae</i>	tundra peat moss
	<i>Sphagnum warnstorffii</i>	Warnstorff's peat moss
	<i>Sphagnum alaskense</i>	Alaska peatmoss
	<i>Sphagnum capillifolium</i>	northern peat moss
	<i>Sphagnum concinnum</i>	fringed bogmoss
	<i>Sphagnum divinum</i>	divine bogmoss
	<i>Sphagnum incundum</i>	pleasant peat moss
	<i>Sphagnum perfoliatum</i>	glossy peatmoss
	<i>Sphagnum rubellum</i>	red peatmoss
	<i>Sphagnum subfulvum</i>	fulvous peatmoss
	<i>Sphagnum subsecundum</i>	orange peatmoss
	<i>Straminergon stramineum</i>	straw spear moss
	<i>Tomentypnum falcifolium</i>	sickle-leaved golden moss
	<i>Tomentypnum nitens</i>	woolly feather-moss
	<i>Tortula cernua</i>	narrowleaf screw moss

Table 11 continues next page

Status	Scientific name	English name
	<i>Warnstorfia fluitans</i>	floating hook moss
	<i>Warnstorfia pseudostraminea</i>	spring hook moss
Facultative wetland	<i>Aulacomnium acuminatum</i>	acute-tip groove moss
	<i>Aulacomnium palustre</i>	glow moss
	<i>Brachythecium frigidum</i>	cold ragged moss
	<i>Brachythecium rivulare</i>	river ragged moss
	<i>Campyliadelphus chrysophyllus</i>	golden creeping moss
	<i>Campylium protensum</i>	dull starry feather-moss
	<i>Cinclidium subrotundum</i>	ovate cupola moss
	<i>Climacium dendroides</i>	northern tree moss
	<i>Cyrtomnium hymenophylloides</i>	short-pointed lantern moss
	<i>Cyrtomnium hymenophyllum</i>	obtuse-pointed lantern moss
	<i>Dicranella palustris</i>	marsh forklet moss
	<i>Dicranum bonjeanii</i>	Bonjean's broom moss
	<i>Dicranum leioneuron</i>	variable-leaved broom moss
	<i>Elodium blandowii</i>	Blandow's bog moss
	<i>Hygroamblystegium varium</i>	tangle thread moss
	<i>Hypnum lindbergii</i>	Lindberg's plait moss
	<i>Plagiomnium ellipticum</i>	marsh thyme-moss
	<i>Plagiomnium medium</i>	alpine thyme-moss
	<i>Ptychostomum pseudotriquetrum</i>	common green bryum moss
	<i>Ptychostomum weigeli</i>	Weigel's bryum moss
<i>Rhizomnium andrewsianum</i>	Andrew's leafy moss	
<i>Rhizomnium gracile</i>	slender leafy moss	
<i>Rhizomnium pseudopunctatum</i>	felt round moss	
<i>Sciuro-hypnum latifolium</i>	wideleaf ragged moss	

Table 11 continues next page

Status	Scientific name	English name
	<i>Sphagnum squarrosum</i>	shaggy peat moss
	<i>Splachnum sphaericum</i>	round-fruited dung moss
	<i>Splachnum luteum</i>	yellow dung moss
	<i>Splachnum rubrum</i>	red dung moss
	<i>Splachnum vasculosum</i>	rugged collar moss
	<i>Trichostomum arcticum</i>	Arctic crisp moss
Facultative	<i>Amblystegium serpens</i>	creeping feather moss
	<i>Aulacomnium turgidum</i>	mountain groove moss
	<i>Dicranum groenlandicum</i>	Greenland broom moss
	<i>Dicranum majus</i>	greater broom moss
	<i>Fissidens adianthoides</i>	maidenhair pocket moss
	<i>Fissidens bryoides</i>	lesser pocket moss
	<i>Hylocomiastrum pyrenaicum</i>	Oake's wood moss
	<i>Hylocomium splendens</i>	step moss
	<i>Hypnum holmenii</i>	Holmen's plait moss
	<i>Hypnum plicatum</i>	northern plait moss
	<i>Hypnum pratense</i>	meadow plait moss
	<i>Leptobryum pyriforme</i>	golden thread moss
	<i>Mnium blyttii</i>	Blytt's leafy moss
	<i>Myurella julacea</i>	small mouse-tail moss
	<i>Myurella tenerrima</i>	dwarf mouse-tail moss
	<i>Orthothecium chryseum</i>	golden erect-capsule moss
	<i>Orthothecium strictum</i>	shiny erect-capsule moss
	<i>Plagiomnium ciliare</i>	wavy-leaf moss
	<i>Pohlia cruda</i>	opal nodding moss
	<i>Pohlia drummondii</i>	Drummond's nodding moss

Table 11 continues next page

Status	Scientific name	English name
	<i>Pohlia elongata</i>	elongated nodding moss
	<i>Pohlia nutans</i>	common nodding moss
	<i>Polytrichum commune</i>	common haircap moss
	<i>Polytrichum commune</i> var. <i>commune</i>	common haircap moss
	<i>Polytrichum hyperboreum</i>	Arctic haircap moss
	<i>Polytrichum juniperinum</i>	juniper haircap moss
	<i>Rhytidiadelphus subpinnatus</i>	subpinnate gooseneck moss
	<i>Tetraplodon mnioides</i>	entire-leaved nitrogen moss
	<i>Tetraplodon pallidus</i>	pale nitrogen moss
	<i>Tetraplodon paradoxus</i>	paradox nitrogen moss
	<i>Thuidium delicatulum</i>	delicate fern moss
	<i>Thuidium delicatulum</i> var. <i>radicans</i>	Philbert's fern moss
	<i>Tortella fragilis</i>	fragile twisted moss
Facultative / Facultative upland	<i>Hypnum bambergeri</i>	Bamberger's golden plait moss
Facultative upland	<i>Aulacomnium androgynum</i>	little groove moss
	<i>Brachythecium cirrosum</i>	tendrill feather moss
	<i>Brachythecium erythrorrhizon</i>	taiga ragged moss
	<i>Brachythecium salebrosum</i>	golden ragged moss
	<i>Brachythecium turgidum</i>	thick ragged moss
	<i>Campylophyllum hispidulum</i>	common fine wet moss
	<i>Ceratodon purpureus</i>	fire moss
	<i>Dicranum acutifolium</i>	sharp-leaved broom moss
	<i>Dicranum brevifolium</i>	short-leaved broom moss
	<i>Dicranum elongatum</i>	long-forked broom moss
<i>Dicranum flagellare</i>	whip broom moss	

Table 11 continues next page

Status	Scientific name	English name	
	<i>Dicranum fragilifolium</i>	fragile-leaved broom moss	
	<i>Dicranum fuscescens</i>	curly heron's-bill moss	
	<i>Dicranum muehlenbeckii</i>	Muehlenberg's broom moss	
	<i>Dicranum polysetum</i>	wavy-leaved broom moss	
	<i>Hypnum cupressiforme</i>	cypress-leaved plait moss	
	<i>Mnium marginatum</i>	bordered leafy moss	
	<i>Oncophorus virens</i>	green spur moss	
	<i>Oncophorus wahlenbergii</i>	Wahlenberg's spur moss	
	<i>Plagiobryum demissum</i>	drooping hump moss	
	<i>Pleurozium schreberi</i>	red-stemmed feather moss	
	<i>Polytrichastrum alpinum</i>	alpine haircap moss	
	<i>Ptilium crista - castrensis</i>	knight's plume moss	
	<i>Racomitrium lanuginosum</i>	hoary rock moss	
	<i>Rhizomnium magnifolium</i>	grandleaf rhizomnium moss	
	<i>Syntrichia ruralis</i>	sidewalk screw moss	
	<i>Thuidium recognitum</i>	hook-leaved fern moss	
	<i>Timmia austriaca</i>	Austrian timmia moss	
	<i>Timmia megapolitana</i>	metropolitan timmia moss	
	<i>Timmia megapolitana ssp. bavarica</i>	Bavarian timmia moss	
	<i>Timmia norvegica var. norvegica</i>	Norwegian timmia	
	<i>Tortula mucronifolia</i>	mucronate screw moss	
	<i>Trichodon cylindricus</i>	cylindric hairy-teeth moss	
	Upland	<i>Abietinella abietina</i>	wiry fern moss
		<i>Aloina brevirostris</i>	short-beaked screw moss
<i>Amphidium lapponicum</i>		Lapland yoke moss	
<i>Andreaeobryum macrosporum</i>		bigspore Arctic granite moss	

Table 11 continues next page

Status	Scientific name	English name
	<i>Aongstroemia longipes</i>	sprig moss
	<i>Bartramia ithyphylla</i>	straight-leaved apple moss
	<i>Blindia acuta</i>	sharpleaf Blind's moss
	<i>Brachythecium albicans</i>	whitish ragged moss
	<i>Bryum argenteum</i>	silvery bryum moss
	<i>Buxbaumia aphylla</i>	brown shield moss
	<i>Conostomum tetragonum</i>	helmut moss
	<i>Cynodontium strumiferum</i>	strumose dog-tooth moss
	<i>Dicranoweisia crispula</i>	mountain thatch moss
	<i>Dicranum scoparium</i>	common broom moss
	<i>Didymodon rigidulus</i>	rigid screw moss
	<i>Didymodon rigidulus</i> var. <i>gracilis</i>	rigid screw moss
	<i>Didymodon rigidulus</i> var. <i>icmadophilus</i>	rigid beard moss
	<i>Distichium capillaceum</i>	erect-fruited Irish moss
	<i>Distichium inclinatum</i>	inclined Irish moss
	<i>Ditrichum flexicaule</i>	flexible cow-hair moss
	<i>Encalypta alpina</i>	alpine extinguisher moss
	<i>Encalypta brevicollis</i>	white-mouthed extinguisher moss
	<i>Encalypta ciliata</i>	fringed extinguisher moss
	<i>Encalypta mutica</i>	blunt extinguisher moss
	<i>Encalypta procera</i>	slender extinguisher moss
	<i>Encalypta raptocarpa</i>	ribbed extinguisher moss
	<i>Encalypta vulgaris</i>	common extinguisher moss
	<i>Entodon concinnus</i>	lime silk moss
	<i>Funaria hygrometrica</i>	common cord moss
	<i>Grimmia anodon</i>	toothless grimmia moss

Table 11 continues next page

Status	Scientific name	English name
	<i>Hedwigia ciliata</i>	ciliate Ghedwig's moss
	<i>Hypnum callichroum</i>	downy plait moss
	<i>Hypnum hamulosum</i>	hook-leaved plait moss
	<i>Hypnum procerrimum</i>	tundra plait moss
	<i>Hypnum revolutum</i>	revolute plait moss
	<i>Hypnum subimponens</i>	curly plait moss
	<i>Hypnum vaucheri</i>	Vaucher's plait moss
	<i>Isopterygiopsis pulchella</i>	neat silk moss
	<i>Kiaeria blyttii</i>	Blytt's fork moss
	<i>Kiaeria glacialis</i>	glacial fork moss
	<i>Mnium thomsonii</i>	Thomson's leafy moss
	<i>Myurella sibirica</i>	Siberian mouse-tail moss
	<i>Oligotrichum hercynicum</i>	Hercynian hair moss
	<i>Orthotrichum alpestre</i>	sharp-leaved bristle moss
	<i>Orthotrichum rupestre</i>	rock bristle moss
	<i>Orthotrichum speciosum</i>	showy bristle moss
	<i>Plagiothecium cavifolium</i>	round silk moss
	<i>Plagiothecium denticulatum</i>	dented silk moss
	<i>Pogonatum dentatum</i>	mountain hair moss
	<i>Pogonatum urnigerum</i>	urn hair moss
	<i>Polytrichastrum sexangulare</i>	northern haircap moss
	<i>Polytrichum piliferum</i>	bristly haircap moss
	<i>Psilopilum cavifolium</i>	little wolverine moss
	<i>Pterygoneurum ovatum</i>	ovate pterygoneurum moss
	<i>Ptychostomum pendulum</i>	drooping thread moss
	<i>Pylaisia polyantha</i>	many-flowered pylaisia moss

Table 11 continues next page

Status	Scientific name	English name
	<i>Rhodobrum roseum</i>	rose moss
	<i>Rhytidiadelphus triquetrus</i>	electrified cat's-tail moss
	<i>Rhytidium rugosum</i>	wrinkle-leaved moss
	<i>Saelania glaucescens</i>	blue dew moss
	<i>Schistidium frigidum</i>	arctic-alpine bloom moss
	<i>Schistidium papillosum</i>	papillose bloom moss
	<i>Stegonia latifolia</i>	broad-leaved stegonia moss
	<i>Syntrichia norvegica</i>	Norway screw moss
	<i>Tetraphis pellucida</i>	common four-tooth moss
	<i>Tetraplodon angustatus</i>	toothed-leaved nitrogen moss



northern peat moss (*Sphagnum capillifolium*)

Table 12. Liverwort wetland indicator species.

Status	Scientific name	English name
Obligate	<i>Calypogeia sphagnicola</i>	bog pouchwort
	<i>Nardia scalaris</i>	ladder flapwort
Facultative wetland	<i>Anthelia juratzkana</i>	Juratzka's silverwort
	<i>Arnellia fennica</i>	tundra liverwort
	<i>Calypogeia muelleriana</i>	Mueller's pouchwort
	<i>Cephaloziella rubella</i>	red threadwort
	<i>Clevea hyalina</i>	hyaline liverwort
	<i>Fuscocephaloziopsis lunulifolia</i>	moon-leaved pincerwort
	<i>Gymnocolea inflata</i>	inflated notchwort
	<i>Lophozia wenzelii</i>	Wenzel's notchwort
	<i>Lophoziopsis polaris</i>	Arctic notchwort
	<i>Mesoptychia rutheana</i> var. <i>rutheana</i>	fen notchwort
	<i>Mylia anomala</i>	anomalous flapwort
	<i>Neoorthocaulis binsteadii</i>	Binstead's pawwort
	<i>Odontoschisma macounii</i>	Macoun's flapwort
	<i>Pellia neesiana</i>	Nees' pellia
	<i>Scapania paludicola</i>	bog earwort
<i>Scapania undulata</i>	water earwort	
Facultative	<i>Aneura pinguis</i>	greasewort
	<i>Blepharostoma trichophyllum</i>	hairy threadwort

Table 12 continues next page

Status	Scientific name	English name
	<i>Conocephalum salebrosum</i>	cat-tongue liverwort
	<i>Fuscocephaloziopsis leucantha</i>	white pincerwort
	<i>Gymnomitrium alpinum</i>	alpine rustwort
	<i>Gymnomitrium concinatum</i>	braided frostwort
	<i>Gymnomitrium corallioides</i>	coral frostwort
	<i>Gymnomitrium revolutum</i> ssp. <i>revolutum</i>	revolute rustwort
	<i>Mannia sibirica</i>	Siberian macewort
	<i>Marchantia polymorpha</i>	green-tongue liverwort
	<i>Marchantia quadrata</i>	narrow mushroom-headed liverwort
	<i>Marsupella arctica</i>	Arctic rustwort
	<i>Mesoptychia sahlbergii</i>	Sahlberg's liverwort
	<i>Mylia taylorii</i>	Taylor's flapwort
	<i>Plagiochila arctica</i>	Arctic featherwort
	<i>Plagiochila asplenioides</i>	greater featherwort
	<i>Plagiochila porelloides</i> var. <i>porelloides</i>	lesser featherwort
	<i>Ptilidium ciliare</i>	ciliate fringewort
	<i>Radula prolifera</i>	Arctic scalewort
	<i>Scapania brevicaulis</i>	short-stemmed earwort
	<i>Scapania crassiretis</i>	knobby earwort
	<i>Scapania curta</i>	least earwort

Table 12 continues next page

Status	Scientific name	English name
	<i>Scapania irrigua</i>	heath earwort
	<i>Scapania obcordata</i>	patch earwort
	<i>Scapania simmonsii</i>	Simmon's earwort
	<i>Scapania subalpina</i>	northern earwort
	<i>Scapania uliginosa</i>	marsh earwort
	<i>Solenostoma sphaerocarpum</i>	round-fruited flapwort
	<i>Sphenolobus minutus</i>	comb notchwort
	<i>Sphenolobus saxicola</i>	curled notchwort
	<i>Tritomaria quinquedentata</i>	large notchwort
	<i>Tritomaria scitula</i>	mountain notchwort
Facultative upland	<i>Barbilophozia barbata</i>	bearded pawwort
	<i>Barbilophozia lycopodioides</i>	greater pawwort
	<i>Barbilophozia sudetica</i>	hill notchwort
	<i>Diplophyllum albicans</i>	white rarwort
	<i>Geocalyx graveolens</i>	Turps' pouchwort
	<i>Lepidozia reptans</i>	creeping fingerwort
	<i>Lophocolea minor</i>	lesser crestwort
	<i>Lophozia ascendens</i>	small notchwort
	<i>Lophozia ventricosa</i>	tumid notchwort
	<i>Lophozia ventricosa</i> var. <i>longiflora</i>	droplet notchwort

Table 12 continues next page

Status	Scientific name	English name
	<i>Lophozipsis excise</i>	cut notchwort
	<i>Lophozipsis longidens</i>	horned notchwort
	<i>Mesoptychia collaris</i>	collared notchwort
	<i>Obtusifolium obtusum</i>	obtuse fotchwort
	<i>Schljakovia kunzeana</i>	Kunze's pawwort
Upland	<i>Barbilophozia hatcheri</i>	Hatcher's pawwort
	<i>Neoorthocaulis floerkei</i>	Floerke's pawwort
	<i>Ptilidium pulcherrimum</i>	tree fringewort
	<i>Scapania gymnostomophila</i>	narrow-leaved earwort
	<i>Tetralophozia setiformis</i>	monster pawwort
	<i>Tritomaria exsecta</i>	cut notchwort



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When plot data and local expert knowledge were insufficient, the following sources were consulted to inform the Wetland Indicators Species List:

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Appendix

Community structure

Structure is used to describe the appearance of a stand or community using the characteristic life form (stratum) and certain physical attributes. “Structure” can depict stand development features along a trajectory that is characteristic for the vegetation (e.g., development of a forest type), or it can refer to a certain type of vegetation (e.g., herb community).

1. Non-vegetated

Recent disturbance, e.g., fire, flood, and no vegetation, or less than 5% cover of vegetation has been established.

2. Sparse/cryptogram

Either the initial stages of primary succession or a cryptogram community maintained by environmental conditions (e.g., bedrock, talus). Sparse tree, shrub and herb cover. Either sparsely vegetated overall (low cover of vascular plants and cryptograms, if present), or dominated by cryptograms.

2a Sparse – 5–10% vegetation cover

2b Bryoid – bryophyte-dominated

2c Lichen – lichen-dominated

3. Herb

Early successional stage (e.g., post-fire forest succession) or a herb community maintained by environmental conditions or disturbance. Vegetation is dominated by herbs (forbs, graminoids, ferns), although herb cover can be low if sparsely vegetated overall if herbs characterize the vegetation. Trees and shrubs are usually absent or sparse; however, shrub cover and stature as compared to herb cover and stature determine whether the site is considered herbaceous.

3a Forb-dominated – includes non-graminoid herbs and ferns

3b Graminoid-dominated – includes grasses, sedges, reeds, and rushes

3c Aquatic – floating or submerged plants dominate

3d Ground shrub-dominated – dominated by dwarf woody species such as kinnikinnick or dwarf willows

4. Shrub

Early successional stage of a forest or a shrub community maintained by environmental conditions or disturbance. Either dominated by shrubby vegetation, including tree seedlings/saplings; or, if sparsely vegetated overall, the dominance of shrubs characterizes the community as a shrubland

4a tall shrub - dominated by woody plants >2 m tall with diameter at breast height (dbh) ≤7 cm

4b low shrub - dominated by woody plants <2 m tall

5. Treed: pole/sapling

Trees >5 m tall and with >7 dbh, typically densely stocked. Self-thinning and vertical structure are not yet evident in the canopy. Younger stands are vigorous (usually >15–20 years old); older stagnated stands (up to 100 years old) are also included; time since disturbance usually <40 years; up to 100+ years for dense (5,000 to 15,000+ stems per ha) stagnant stands.

6. Treed: young forest

Self-thinning has become evident, and the forest canopy has begun to differentiate into distinct layers. A more open stand than at the pole/sapling stage.

7. Treed: mature forest

Trees established after the last stand-replacing disturbance have matured; a second cycle of shade tolerant trees may have become established; shrub and herb understories become well developed as the canopy opens up.

8. Treed: old forest

Stands of old age with complex structure; patchy shrub and herb understories are typical; regeneration is usually of shade-tolerant species, with composition similar to the overstory.

9. Treed: very old forest

Very old stands with complex structure, with abundant large-sized trees, snags and coarse woody debris (CWD); snags and CWD occurring in all stages of decomposition; stands are comprised entirely of shade-tolerant overstory species with well-established canopy gaps.