

**VASCULAR PLANTS OF THE MOUNTAIN NATIONAL PARKS**

**SPECIES LIST AND A DATABASE**

prepared by

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for

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## 1. INTRODUCTION

The importance of plants in natural ecosystems is often overlooked or undervalued. Generally, plants receive only passing consideration as "habitat" for mammals, birds or problematic insects or as a means of reducing soil erosion. Yet, plants as the base of the ecological pyramid are the primary producers in the system and support all of the other species, directly or indirectly. Plants are also a major contributor to biodiversity, both as species, collectively termed the *flora*, and as plant communities, collectively the *vegetation*. Plant species far outnumber the mammals, birds, amphibians and herptiles in the national parks. They are rivalled in number of species perhaps only by the insects, of which we know even less than plants in the national parks.

Thus, park management that is based on an *ecosystem* approach must concern itself with all the species in a park, including the plants. Management must also include the rare species, since these contribute disproportionately to diversity and are most likely to be at risk.

The first step in managing something is to know *what* is being managed. For species, this takes the form of check lists of species that are known to occur in the park. Once the *what* is fairly well known, management then often proceeds to *where*, *how many*, etc. This report deals with the *what* of vascular ("higher") plants in Banff National (BNP), Jasper National Park (JNP), Kootenay National Park (KNP), Mt. Revelstoke and Glacier National Parks (MRGNP), Waterton Lakes National Park (WLNP), and Yoho National Park (YNP), the *mountain national parks*. Non-vascular plants (algae, fungi, hepatics, mosses and lichens) are not dealt with here.

The lists of vascular plants that were prepared during the resource inventories of the mountain national parks in the 1970's and early 1980's have become increasingly outdated. The studies are as follows: BNP and JNP - Holland and Coen 1982, KNP - Achuff et al. 1984a, MRGNP - Achuff et al. 1984b, WLNP - Kuchar 1973, and YNP - Kuchar 1978. Since these studies were completed, new species occurrences have been found in the parks and there have been changes in taxonomy and nomenclature that make the lists obsolete.

The purpose of this study is to provide an updated list of vascular plants for the mountain parks using a standardised taxonomic and nomenclatural treatment.

## 2. INFORMATION SOURCES

Much of the updated information on taxonomy and nomenclature comes from recently published floras for Alberta (Moss 1983), for WLNP (Kuijt 1982), and a nearly completed account of the vascular plants of British Columbia (Douglas et al. 1989-1991). These works follow similar taxonomic concepts in terms of splitting vs. lumping tendencies. The concepts are similar to those of the somewhat earlier work of Hitchcock et al. (1955-1969) in the Pacific Northwest of the US and that work has also been consulted frequently. Additionally, a recent publication on the rare vascular plants of Canada (Argus and Pryer 1990) was also used, although in some cases its concepts differ from the above floras.

Regional floras have been used here primarily because they deal with all of the species in an area. More recent studies (listed in the References section) have been used where the taxonomic treatment is consistent with the floras mentioned above and where the status of related species or genera in the parks is clear. Many published studies contain information on only a few taxa or on a limited geographic area and are difficult to assess regarding the status of plants in the six mountain parks.

Several groups, notorious among plant taxonomists, are problematic and, while a fairly conservative approach has been taken here, there is room for disagreement. These genera include *Agropyron*, *Antennaria*, *Botrychium*, *Carex*, *Cirsium*, *Epilobium* and *Poa*.

Nomenclaturally, Moss (1983) generally has been used and thus, there are some differences from the names in Kuijt (1982) for WLNP. For additional species in British Columbia, Douglas et al. (1989-1991) has been used as the main nomenclatural authority. For plants not yet covered by Douglas et al. (1989-1991), Hitchcock et al. (1955-1969) or Douglas (1992) was used.

Sources of updated information on species' geographic distributions include the distribution maps in Moss (1983) and the various British Columbia Museum plant publications (Brayshaw 1976, 1985, 1989; Douglas 1982; Szczawinski 1959, 1962; Taylor 1966, 1973, 1974, 1983), the British Columbia Conservation Data Centre in Victoria, a recent study of non-native plants in Western Region parks (Achuff 1991a), an account of special features in BNP (Achuff et al. 1986), as well as recent literature and new collections in some herbaria. There was no complete, systematic check of herbaria for new collections though. Information was also provided by botanists and others mentioned in the Acknowledgements.

Some reported occurrences are considered likely but currently questionable and are indicated by a "?" in the database. The question may be due to, for example, unresolved

taxonomic problems, lack of a voucher specimen or an unsubstantiated identification. Further work is needed to resolve these problems but was beyond the scope of this project. This study has used the main, more easily obtained information but has not been able to search herbaria, literature or other sources exhaustively. New information and changes will come to light and revisions will be needed.

### 3. RESULTS

A total of 1376 species of vascular plants are known or likely to occur in the six mountain national parks. Totals range from 936 species in BNP to 393 species in MRNP (Table 1).

**Table 1. Numbers of vascular plant species in the mountain national parks.** total = sum of confirmed and questionable occurrences, x = confirmed occurrence, ? = questionable but likely occurrence, nnp = number of non-native plant species.

Park	total	x	?	nnp
BNP	936	903	33	76
JNP	855	814	41	69
GNP	551	549	2	62
KNP	701	698	3	60
MRNP	393	390	3	51
WLNP	952	947	5	74
YNP	674	672	2	89

The totals all are increases over those in the resource inventory reports and represent mainly increased knowledge of plant distributions rather than new taxonomic species from splitting older ones. All parks, except JNP and KNP, have small increases in the number of non-native plants compared with a recent study (Achuff 1991a).

Detailed information on species occurrences by park are in the database and summarised in Appendix 2.

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## APPENDIX 1. DATABASE FORMAT AND PROCEDURES

The database is in dBase III+ software in the file **MPKSFL.DBF**. The fields are all *character* fields and are as follows:

<u>Field Name</u>	<u>Width</u>	<u>Contents</u>
GENUS	20	scientific name - genus
SPECIES	20	scientific name - species
SSP/VAR	20	scientific name - subspecies/variety
FAMILY	25	scientific name - family
SYNONYM	35	scientific name synonyms
B	1	x = occurrence in BNP
G	1	x = occurrence in GNP
J	1	x = occurrence in JNP
K	1	x = occurrence in KNP
R	1	x = occurrence in MRNP
W	1	x = occurrence in WLNP
Y	1	x = occurrence in YNP
C1	3	nnp = non-native plant
MISC	250	miscellaneous information

A "?" in any of the park occurrence fields indicates that the species has been reported in that park and, while the occurrence is likely it is questionable due to, for example, unresolved taxonomic problems, lack of a voucher specimen or unsubstantiated identification.

The file **MPKSFL.PRG** should be used to begin work in the database by starting from the dot prompt and entering "DO **MPKSFL.PRG**". This program will use the format in **MPKSFL.FMT** to arrange the fields on the screen and bring up the first record in an edit mode. The records are indexed alphabetically by family, genus and species in **FGS.NDX**. Should another order be desired, **MPKSFL.PRG** should be changed to call another index file ("USE **MPKSFL.DBF** INDEX \_\_\_\_**.NDX**").

APPENDIX 2. VASCULAR PLANTS OF THE MOUNTAIN NATIONAL PARKS

An 'x' means that the species occurs in the park indicated by the column heading. A '?' indicates that the species has been reported in the park but the occurrence, while likely, is questionable due to, for example, unresolved taxonomic problems, lack of a voucher specimen or unsubstantiated identification.

		B	G	J	K	R	W	Y
ACERACEAE								
Acer	glabrum	x	x	x	x	x	x	x
Acer	negundo	x						
ALISMATACEAE								
Alisma	gramineum							x
Alisma	plantago-aquatica							x
Sagittaria	cuneata	x						x
Sagittaria	latifolia	?						
AMARANTHACEAE								
Amaranthus	graecizans							x
APIACEAE								
Angelica	arguta							x
Angelica	dawsonii							x
Angelica	genuflexa						x	
Bupleurum	americanum							x
Carum	carvi	x		x				x
Cicuta	maculata	x	x	x	x	x	x	
Heracleum	lanatum	x	x	x	x	x	x	x
Ligusticum	canbyi		x			x		
Lomatium	dissectum	x			x		x	x
Lomatium	macrocarpum	x			x		x	x
Lomatium	sandbergii							x
Lomatium	triternatum	x			x		x	x
Musineon	divaricatum							x
Osmorhiza	chilensis	?	x	?	x	x	x	x
Osmorhiza	depauperata	x	x	x	x			x
Osmorhiza	longistylis							x
Osmorhiza	occidentalis							x
Osmorhiza	purpurea			x	x	x	x	x
Pastinaca	sativa	x						x
Perideridia	gairdneri	x						x
Sanicula	marilandica	?			x			x
Sium	suave	?						x
Zizia	aptera	x		x				x

VASCULAR PLANTS OF THE MOUNTAIN NATIONAL PARKS

		B	G	J	K	R	W	Y
APOCYNACEAE								
Apocynum	androsaemifolium	x	x	x	x	x	x	x
Apocynum	cannabinum							x
Apocynum	x medium							x
ARACEAE								
Lysichiton	americanum		x				x	
ARALIACEAE								
Aralia	nudicaulis	x	x	x	x	x		x
Oplopanax	horridum		x		x	x	x	x
ASTERACEAE								
Achillea	millefolium	x	x	x	x	x	x	x
Achillea	sibirica		x					
Adenocaulon	bicolor		x			x	x	
Agoseris	aurantiaca	x	x	x	x	x	x	x
Agoseris	glauca	x		x	x		x	
Agoseris	lackschewitzii	x						x
Anaphalis	margaritacea	x	x	x	x	x	x	x
Antennaria	alborosea	x		x				
Antennaria	alpina	x	x	x	x	x	x	x
Antennaria	anaphaloides	x			x		x	
Antennaria	angustata	x		x				
Antennaria	aprica	x		x			x	
Antennaria	compacta	x						
Antennaria	corymbosa	x	x	?	x	x		
Antennaria	lanata	x	x	x	x		x	x
Antennaria	luzuloides	?		?			x	
Antennaria	monocephala	x		x				
Antennaria	neglecta	x		x	x		x	x
Antennaria	pallida			x				
Antennaria	parvifolia	x		x	x		x	x
Antennaria	pulcherrima	x		x	x		x	x
Antennaria	racemosa	x	x	x	x	x	x	x
Antennaria	rosea	x	x	x	x		x	
Antennaria	sedoides	x						
Antennaria	stolonifera	x		x		x		
Antennaria	umbrinella	x		x	x	x	x	
Anthemis	tinctoria				x		x	
Arctium	minus		x			x	x	x
Arnica	amplexicaulis	x	x	x		x	x	
Arnica	angustifolia	x	x	x	x	x	x	x
Arnica	chamissonis	x		x		x	x	x
Arnica	cordifolia	x	x	x	x		x	x
Arnica	diversifolia	x	x	x		x	x	x
Arnica	fulgens	x		x			x	
Arnica	gracilis	x	x	x			x	

VASCULAR PLANTS OF THE MOUNTAIN NATIONAL PARKS

B G J K R W Y

ASTERACEAE (cont.)

Arnica	latifolia	x	x	x	x	x	x	x
Arnica	lonchophylla	x	x					
Arnica	longifolia	x	x				x	
Arnica	louiseana	x	x	x	x		x	
Arnica	mollis	x	x	x	x	x	x	x
Arnica	parryi	x		x	x		x	
Arnica	rydbergii	x	x	x	x		x	x
Arnica	sororia	x			x		x	
Artemisia	biennis	x		x			x	x
Artemisia	borealis			x				
Artemisia	campestris	x	x	x	x		x	
Artemisia	dracunculus	x		x	x		x	
Artemisia	frigida	x		x	x		x	
Artemisia	ludoviciana	x		x			x	x
Artemisia	michauxiana	x	x	x	x	x	x	x
Artemisia	norvegica	x		x				
Artemisia	tridentata							x
Aster	alpinus	x		x	x			
Aster	ascendens	x	x					
Aster	borealis	x	x	x	x		x	x
Aster	campestris				?	x		
Aster	ciliolatus	x		x	x	x	x	x
Aster	conspicuus	x		x	x	x	x	x
Aster	eatonii	x						x
Aster	engelmannii	x	x	x	x	x	x	x
Aster	ericoides	x				x		x
Aster	falcatus	x		x				x
Aster	hesperius	x	x					x
Aster	laevis	x		x	x			x
Aster	modestus	x	x	x		x	x	x
Aster	puniceus	x						
Aster	sibiricus	x	x	x	x			x
Aster	subspicatus	x	x	x	x	x	x	x
Aster	x maccallae	x						
Balsamorhiza	sagittata					x		x
Bidens	cernua							x
Brickellia	grandiflora							x
Centaurea	diffusa			x		x	x	
Centaurea	maculosa	x	x	x	x	x	x	x
Chrysanthemum	leucanthemum	x	x	x	x	x	x	x
Cichorium	intybus			x			x	
Cirsium	arvense	x	x	x	x	x	x	x
Cirsium	brevistylum			x				
Cirsium	drummondii	x		x				
Cirsium	flodmanii	x						x
Cirsium	foliosum	x		x				x
Cirsium	hookerianum	x	x	x	x			x

VASCULAR PLANTS OF THE MOUNTAIN NATIONAL PARKS

B G J K R W Y

ASTERACEAE (cont.)

Cirsium	scariosum						?
Cirsium	undulatum				X		X
Cirsium	vulgare	X	X	X		X	X X
Conyza	canadensis		X			X	X
Crepis	atrabarba	X			X		X X
Crepis	elegans	X		X	X		X X
Crepis	intermedia	?					X
Crepis	nana	X	X	X	X		X X
Crepis	occidentalis						X
Crepis	runcinata	X		X			X X
Crepis	tectorum	X	X	X	X	X	X X
Erigeron	acris	X	X	X	X	X	X X
Erigeron	annuus						X
Erigeron	aureus	X	X	X	X	X	X
Erigeron	caespitosus	X		X			X
Erigeron	compositus	X	X	X	X	X	X X
Erigeron	corymbosus				X		
Erigeron	divergens						X
Erigeron	elatus	X	X	X	X	X	
Erigeron	filifolius				X		
Erigeron	flagellaris			X			X
Erigeron	glabellus	X		X	X		X X
Erigeron	grandiflorus	X		X			
Erigeron	humilis	X	X	X	X	X	X X
Erigeron	hyssopifolius				?		
Erigeron	lanatus	X		X	X		X
Erigeron	lonchophyllus	X		X	X		X X
Erigeron	ochroleucus	X		?			X
Erigeron	peregrinus	X	X	X	X	X	X X
Erigeron	philadelphicus	X	X	X			X X
Erigeron	pumilus				?	X	
Erigeron	purpuratus	X		X	X		X X
Erigeron	radicatus				X		X
Erigeron	speciosus	X		?			X
Erigeron	trifidus	X		X			
Gaillardia	aristata	X		X	X		X X
Gnaphalium	microcephalum						X X
Gnaphalium	viscosum						?
Grindelia	squarrosa				X		X
Haplopappus	lyallii	X	X	X	X	X	X
Haplopappus	uniflorus	X		X			
Helenium	autumnale					X	
Helianthus	annuus						X
Helianthus	couplandii						X
Helianthus	maximilianii				X		
Helianthus	nuttallii	X					X
Helianthus	subrhomboideus	X					X

VASCULAR PLANTS OF THE MOUNTAIN NATIONAL PARKS

		B	G	J	K	R	W	Y
ASTERACEAE (cont.)								
Heterotheca	villosa	x		x			x	x
Hieracium	albiflorum	x	x	x	x	x	x	x
Hieracium	aurantiacum							x
Hieracium	canadense					x		x
Hieracium	cynoglossoides	x	x		x	x	x	x
Hieracium	triste	x	x	x	x	x	x	x
Hieracium	umbellatum	x		x	x		x	x
Hypochaeris	radicata							x
Iva	xanthifolia							x
Lactuca	biennis		x			x	x	x
Lactuca	canadensis						x	
Lactuca	muralis		x					
Lactuca	pulchella	x			x		x	
Lactuca	serriola				x			
Liatris	punctata							x
Lygodesmia	juncea				x			
Madia	glomerata							x
Matricaria	matricarioides	x	x	x	x	x	x	x
Matricaria	perforata	x	x	x				x
Microseris	nutans							x
Petasites	nivalis	x		x				x
Petasites	palmatus	x		x	x			x
Petasites	sagittatus	x	x	x	x			x
Petasites	vitifolius	x	x	x	x			
Prenanthes	sagittata							x
Ratibida	columnifera							x
Rudbeckia	hirta		x		x	x		x
Saussurea	americana							x
Saussurea	nuda	x	x	x	x			x
Senecio	canus	x		x	x			x
Senecio	congestus				x			
Senecio	conterminus							x
Senecio	cymbalarioides							x
Senecio	foetidus							x
Senecio	fremontii	x	x	x	x			x
Senecio	indecorus	x		x				x
Senecio	integerrimus	x	x	x	x	x		x
Senecio	lugens	x		x	x			x
Senecio	megacephalus	?						x
Senecio	pauciflorus	x		x				x
Senecio	pauperculus	x	x	x	x	x		x
Senecio	pseud aureus	x	x		x	x		x
Senecio	streptanthifolius	x	x	x	x			x
Senecio	triangularis	x	x	x	x	x		x
Senecio	viscosus				x			
Senecio	vulgaris	x		x				x
Solidago	canadensis	x	x	x	x	x		x



VASCULAR PLANTS OF THE MOUNTAIN NATIONAL PARKS

		B	G	J	K	R	W	Y
ASTERACEAE (cont.)								
Solidago	gigantea	x		x			x	
Solidago	graminifolia							x
Solidago	missouriensis	x		x	x		x	
Solidago	multiradiata	x	x	x	x	x	x	x
Solidago	nemoralis	x		x	x			x
Solidago	rigida			x	x			
Solidago	spathulata	x		x	x		x	x
Sonchus	arvensis			x	x	x		x
Sonchus	asper			x	x			x
Sonchus	uliginosus	x		x	x			x
Stephanomeria	runcinata				x			
Tanacetum	vulgare	x	x	x	x	x		x
Taraxacum	ceratophorum	x	x	x	x	x	x	x
Taraxacum	laevigatum	x	x		x		x	x
Taraxacum	officinale	x	x	x	x	x	x	x
Townsendia	condensata							x
Townsendia	hookeri				x			x
Townsendia	parryi	x						x
Tragopogon	dubius	x	x	x	x	x	x	x
Tragopogon	pratensis						x	
BERBERIDACEAE								
Berberis	repens	x	x		x	x	x	x
BETULACEAE								
Alnus	crispa	x	x	x	x	x	x	x
Alnus	tenuifolia	x	x	x	x	x	x	x
Betula	glandulosa	x		x	x			x
Betula	occidentalis	x		x	x		x	
Betula	papyrifera	x	x	x	x	x	x	x
Betula	pumila	x		x	x		x	x
Betula	x sargentii					x		
Corylus	cornuta						x	
BORAGINACEAE								
Cryptantha	macounii							x
Cryptantha	nubigena							x
Cynoglossum	officinale				x		x	
Echium	vulgare	x					x	
Hackelia	americana	x		x			x	x
Hackelia	diffusa							x
Hackelia	floribunda	x			x		x	
Hackelia	jessicae	x		x	x		x	x
Lappula	occidentalis	x		x				x
Lappula	squarrosa	x		x	x		x	x
Lithospermum	incisum	x		x	x			
Lithospermum	ruderales	x			x		x	

VASCULAR PLANTS OF THE MOUNTAIN NATIONAL PARKS

B G J K R W Y

BORAGINACEAE (cont.)

Mertensia	lanceolata								X
Mertensia	longiflora						X		X
Mertensia	paniculata	X		X					
Myosotis	alpestris	X	X	X	X			X	X
Myosotis	arvensis			X					X
Myosotis	micrantha								X
Plagiobothrys	scouleri								X

BRASSICACEAE

Alyssum	alyssoides									X
Anthyllis	vulneraria						X			
Arabis	divaricarpa	X	X	X	X			X	X	
Arabis	drummondii	X	X	X	X			X	X	
Arabis	glabra	X		X	X			X	X	
Arabis	hirsuta	X	X	X	X			X	X	
Arabis	holboellii	X	X	X	X			X	X	
Arabis	lemmonii	X	X	X	X			X	X	
Arabis	lyallii	X	X	X	X	X	X	X	X	
Arabis	lyrata	X	X	X	X	X	X	X	X	
Arabis	nuttallii	X		?	X			X		
Armoracia	rusticana	X		X						
Barbarea	orthoceras									X
Barbarea	vulgaris									X
Brassica	campestris	X	X		X	X		X		
Brassica	juncea	X								X
Brassica	kaber							X		
Brassica	nigra									X
Braya	humilis	X	X	X	X					X
Braya	purpurascens						X			
Capsella	bursa-pastoris	X	X	X	X			X	X	
Cardamine	bellidifolia	X	X	X						X
Cardamine	breweri							?		X
Cardamine	occidentalis				X					
Cardamine	pensylvanica	X	X						X	X
Cardamine	umbellata	X	X	X	X	X	X	X	X	X
Conringia	orientalis	X								X
Descurainia	pinnata	X		X	X			X	X	
Descurainia	richardsonii	X		X	X			X	X	
Descurainia	sophia	X		X	X			X	X	
Diplotaxis	muralis									X
Draba	albertina	X		X	X			X		
Draba	alpina						X			
Draba	aurea	X	X	X	X			X	X	
Draba	borealis	X		X	X					
Draba	cana	X		X	X			X	X	
Draba	crassifolia	X	X	X	X			X	X	
Draba	densifolia	X								X

VASCULAR PLANTS OF THE MOUNTAIN NATIONAL PARKS

B G J K R W Y

BRASSICACEAE (cont.)

Draba	fladnizensis	x					x
Draba	glabella			x			
Draba	hirta			x			
Draba	incerta	x	x	x	x		x x
Draba	kananaskis			x			
Draba	lonchocarpa	x	x	x	x		x x
Draba	longipes	x		x			x
Draba	macounii	x		x			x
Draba	nemorosa	x		x			x x
Draba	nivalis	x		x			x
Draba	oligosperma	x		x	x		x x
Draba	paysonii	x		x	x		x
Draba	porsildii	x			x		
Draba	praealta	x	x	x	x	x	x x x
Draba	reptans	?					
Draba	stenoloba	x	x	x	x		x
Draba	ventosa	x					
Draba	verna						x
Erucastrum	gallicum	x		x	x		x
Erysimum	asperum			?	x		x
Erysimum	cheiranthoides	x	x	x	x	x	x x x
Erysimum	inconspicuum	x		x	x		x x
Erysimum	pallasii	x		x			
Hesperis	matronalis						x x
Lepidium	bourgeauanum	x		x			
Lepidium	campestre			x	x		x
Lepidium	densiflorum	x		x	x		x x
Lepidium	ramosissimum	x			x		
Lesquerella	alpina				?		x
Lesquerella	arctica	x		x			
Lesquerella	arenosa	x					x
Lesquerella	douglasii					x	
Nasturtium	officinale	x					
Neslia	paniculata	x					x
Physaria	didymocarpa	x		x	x		x
Rorripa	curvipes	x					
Rorripa	palustris	x		x	x		x x
Rorripa	tenerrima	?					x
Sisymbrium	altissimum					x	x x
Sisymbrium	loeselii	x		x			
Smelowskia	calycina	x		x			x
Thlaspi	arvense	x	x	x	x	x	x x x

VASCULAR PLANTS OF THE MOUNTAIN NATIONAL PARKS

B G J K R W Y

CACTACEAE									
Opuntia	fragilis								x
CALLITRICHACEAE									
Callitriche	hermaphroditica								x
Callitriche	verna								x
CAMPANULACEAE									
Campanula	lasiocarpa	x	x	x					
Campanula	rapunculoides		x		x	x			x
Campanula	rotundifolia	x	x	x	x	x	x	x	x
Campanula	uniflora	x		x					
CAPRIFOLIACEAE									
Linnaea	borealis	x	x	x	x	x	x	x	x
Lonicera	caerulea								x
Lonicera	dioica	x		x	x				x
Lonicera	involuta	x	x	x	x	x	x	x	x
Lonicera	utahensis		x		x	x	x	x	x
Sambucus	coerulea								x
Sambucus	melanocarpa		x	x	x	x			x
Sambucus	pubens	x		x					x
Symphoricarpos	albus	x	x	x	x	x	x	x	x
Symphoricarpos	occidentalis	x		x	x	x	x		x
Viburnum	edule	x	x	x	x	x	x	x	x
CARYOPHYLLACEAE									
Arenaria	capillaris	x	x	x	x	x	x	x	x
Arenaria	longipedunculata	x							
Arenaria	serpyllifolia								x
Arenaria	stricta								x
Cerastium	arvense	x		x	x				x
Cerastium	beeringianum	x	x	x	x	x	x	x	x
Cerastium	nutans								x
Cerastium	vulgatum	x	x	x	x				x
Dianthus	armeria		x						x
Dianthus	deltoides			x					x
Lychnis	chalcedonica					x			x
Minuartia	austromontana	x		x					x
Minuartia	biflora	x	x	x	x	x	x	x	x
Minuartia	dawsonensis	x		x	x				
Minuartia	elegans					x	x		
Minuartia	nuttallii					?	x		x
Minuartia	obtusiloba	x	x	x	x				x
Minuartia	rubella	x	x	x	x				x
Moehringia	lateriflora	x	x	x	x				x
Paronychia	sessiliflora	x							x
Sagina	nivalis						x		

VASCULAR PLANTS OF THE MOUNTAIN NATIONAL PARKS

		B	G	J	K	R	W	Y
CARYOPHYLLACEAE (cont.)								
Sagina	saginoides	x	x	x			x	x
Saponaria	officinalis							x
Silene	acaulis	x	x	x	x	x	x	x
Silene	cserei			x				
Silene	cucubalis	x	x	x		x	x	x
Silene	drummondii	x	x	x	x			x
Silene	furcata				x	x		
Silene	menziesii	x				x		x
Silene	noctiflora							x
Silene	parryi	x			x			x
Silene	pratensis	x	x					x
Silene	scouleri			x		x		
Silene	uralensis	x	x	x	x			x
Spergularia	rubra			x				
Stellaria	americana				?			x
Stellaria	calycantha	x	x	x	x	x	x	x
Stellaria	crassifolia	x		x				x
Stellaria	crispa			x				x
Stellaria	longifolia	x		x				x
Stellaria	longipes	x	x	x	x			x
Stellaria	media				x	x		x
Stellaria	obtusa							x
Stellaria	umbellata	x						x
Vaccaria	pyramidata		x					x
CELASTRACEAE								
Pachystima	myrsinites		x		x	x	x	x
CHENOPODIACEAE								
Chenopodium	album	x	x	x	x		x	x
Chenopodium	capitatum	x		x	x		x	x
Chenopodium	fremontii					x		
Chenopodium	gigantospermum	x						
Chenopodium	pratericola	x						
Chenopodium	rubrum							x
Chenopodium	salinum	x						
Corispermum	hyssopifolium				?			
Corispermum	nitidum				x			
Monolepis	nuttalliana	x		x			x	x
Salsola	kali	x		x				x
CORNACEAE								
Cornus	canadensis	x	x	x	x	x	x	x
Cornus	stolonifera	x	x	x	x	x	x	x

VASCULAR PLANTS OF THE MOUNTAIN NATIONAL PARKS

B G J K R W Y

CRASSULACEAE

Sedum	acre									X
Sedum	divergens			X						
Sedum	lanceolatum	X	X	X	X	X	X	X	X	X
Sedum	stenopetalum									X
Tolmachevia	integrifolia	X			X					X

CUPRESSACEAE

Juniperus	communis	X	X	X	X	X	X	X	X	X
Juniperus	horizontalis	X	X	X	X	X	X	X	X	X
Juniperus	scopulorum	X				X				X
Thuja	plicata	X	X	X	X	X				X

CYPERACEAE

Carex	aenea	X	X	X	X					X	X
Carex	albo-nigra	X	X	X	X					X	
Carex	angustior			X							
Carex	aperta					X	X	X			
Carex	aquatilis	X	X	X	X					X	X
Carex	atherodes					X				X	
Carex	athrostachya									X	
Carex	atrosquama	X		X	X					X	X
Carex	aurea	X	X	X	X					X	X
Carex	backii	X								X	
Carex	bebbii		X		X					X	
Carex	bipartita	X		X							X
Carex	brevior			?						X	
Carex	brunnescens	X	X	X	X					X	
Carex	buxbaumii	X		X	X					X	X
Carex	capillaris	X	X	X	X					X	X
Carex	capitata	X		X							
Carex	concinna	X		X	X	X				X	X
Carex	concinnoides	X		X	X					X	X
Carex	crawei	X		X	X						X
Carex	crawfordii					?				X	
Carex	curta	?	X	X						X	
Carex	deflexa	X	X				X			X	
Carex	deweyana	X	X		X					X	X
Carex	diandra	X		X	X					X	X
Carex	disperma	X	X	X	X					X	X
Carex	eburnea	X		X	X						X
Carex	eleusinoides			X							
Carex	enanderi	X	X	X							X
Carex	epapillosa					?				X	
Carex	feta										X
Carex	filifolia	X		X						X	
Carex	flava	X	X	X	X					X	X
Carex	franklinii	X		X							

VASCULAR PLANTS OF THE MOUNTAIN NATIONAL PARKS

B G J K R W Y

CYPERACEAE (cont.)

Carex	geyeri									X
Carex	glacialis	X								
Carex	gynocrates	X	X	X	X	X	X	X	X	X
Carex	haydeniana	X			X			X	X	
Carex	hoodii	X	X		X	X	X	X	X	
Carex	hookerana	X								
Carex	illota	X	X	X						X
Carex	interior	X	X	X	X				X	X
Carex	kelloggii		X					X	X	
Carex	lanuginosa	X			X				X	X
Carex	lasiocarpa			X	X	X			X	X
Carex	lenticularis	X	X	X					X	X
Carex	leporinella									X
Carex	leptalea	X	X	X	X				X	X
Carex	limosa	X	X	X	X				X	X
Carex	livida	X		X	X				X	X
Carex	loliacea							?		
Carex	macloviana	X	X	X	X	X	X	X	X	X
Carex	macrochaeta		X					X		
Carex	maritima	X		X						X
Carex	mertensii		X	?			X			
Carex	microglochin	X	X	X	X					X
Carex	microptera	X	X	?	X	X	X	X	X	X
Carex	misandra				X					
Carex	multicostata									X
Carex	nardina	X	X	X	X				X	X
Carex	nigricans	X	X	X	X	X	X	X	X	X
Carex	norvegica	X	X	X	X				X	X
Carex	obtusata	X		X					X	
Carex	pachystachya			X	X	X	X	X	X	X
Carex	parryana	X		X					X	
Carex	pauciflora				X					
Carex	paupercula				X	X	X			
Carex	paysonis									X
Carex	pensylvanica	X								X
Carex	petasata	X				X			X	
Carex	petricosa	X		X						
Carex	phaeocephala	X	X	X	X	X	X	X	X	X
Carex	platylepis	X				X			X	
Carex	podocarpa	X		X					X	
Carex	praegracilis	X		X	X				X	
Carex	praticola	X	X			X	X	X	X	X
Carex	preslii									X
Carex	pyrenaica	X	X	X	X	X				X
Carex	raymondii	X				X				
Carex	raynoldsii					?	X		X	X
Carex	richardsonii	X		X					X	

VASCULAR PLANTS OF THE MOUNTAIN NATIONAL PARKS

B G J K R W Y

CYPERACEAE (cont.)

Carex	rossii	x	x	x	x			x	x
Carex	rostrata	x	x	x	x			x	x
Carex	rupestris	x		x	x			x	
Carex	sartwellii	x			x			x	
Carex	saxatilis	x	x	x	x	x	x	x	x
Carex	scirpoidea	x	x	x	x	x	x	x	x
Carex	scoparia				x	x		x	
Carex	scopulorum	x		x				x	
Carex	siccata	x		x				x	x
Carex	simulata	x						x	
Carex	spectabilis	x	x	x	x	x	x	x	x
Carex	sprengelii							x	
Carex	stenophylla	x		x				x	x
Carex	tenera			x				x	
Carex	tincta	x							
Carex	torreyi							x	
Carex	trisperma			x			x		
Carex	umbellata	x		x					
Carex	utriculata								
Carex	vaginata	x		x	x				x
Carex	vesicaria	?						x	
Carex	viridula	x		x	x			x	x
Carex	xerantica	x		?				x	
Eleocharis	acicularis	?			x			x	
Eleocharis	compressa			x	x				x
Eleocharis	nitida			x					
Eleocharis	palustris	x		x	x			x	
Eleocharis	quinquefolia	x		x	x			x	x
Eleocharis	rostellata			x					
Eriophorum	brachyantherum	x		x					x
Eriophorum	callitrix	x		x					
Eriophorum	chamissonis	x	x		x	x	x		
Eriophorum	gracile							x	
Eriophorum	polystachion	x	x	x	x	x	x	x	x
Eriophorum	scheuchzeri	x		x			?		x
Eriophorum	viridi-carinatum	x	x	x	x			x	x
Kobresia	myosuroides	x		x	x			x	x
Kobresia	simpliciuscula	x		x	x			x	x
Scirpus	acutus	x	x	x	x			x	x
Scirpus	caespitosus	x	x	x	x			x	x
Scirpus	hudsonianus	x		x			?		x
Scirpus	microcarpus			x			x		x
Scirpus	pumilus	x		x	x				
Scirpus	pungens							x	
Scirpus	validus							x	x



VASCULAR PLANTS OF THE MOUNTAIN NATIONAL PARKS

B G J K R W Y

DROSERACEAE

Drosera	anglica				X	X	X	
Drosera	linearis	X						

ELAEAGNACEAE

Elaeagnus	commutata	X		X	X		X	X
Shepherdia	canadensis	X	X	X	X	X	X	X

EMPETRACEAE

Empetrum	nigrum	X	X	X	X	X		X
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EQUISETACEAE

Equisetum	arvense	X	X	X	X	X	X	X
Equisetum	fluviatile	X	X	X	X	X	X	X
Equisetum	hyemale	X		X	X		X	X
Equisetum	laevigatum	X						X
Equisetum	palustre	X	X	X				X
Equisetum	pratense	X	X	X	X			X
Equisetum	scirpoides	X		X	X			X
Equisetum	sylvaticum			X	X	X		X
Equisetum	variegatum	X	X	X	X			X

ERICACEAE

Andromeda	polifolia							X
Arctostaphylos	rubra	X		X	X			X
Arctostaphylos	uva-ursi	X		X	X		X	X
Cassiope	mertensiana	X	X	X	X	X		X
Cassiope	tetragona	X	X	X	X			X
Gaultheria	hispidula	X		X	X	X		X
Gaultheria	humifusa	X	X	X	X	X	X	
Gaultheria	ovatifolia		X		X	X		
Kalmia	microphylla	X	X	X	X	X	X	X
Ledum	glandulosum	X			X			X
Ledum	groenlandicum	X	X	X	X	X		X
Loiseleuria	procumbens				X			
Menziesia	ferruginea	X	X	X	X	X	X	X
Oxycoccus	microcarpus	X	X	X	X			X
Phyllodoce	empetriformis	X	X	X	X	X	X	X
Phyllodoce	glanduliflora	X	X	X	X	X	X	X
Phyllodoce	x intermedia	X	X	X	X			X
Rhododendron	albiflorum	X	X	X	X	X	X	X
Rhododendron	lapponicum				X			
Vaccinium	caespitosum	X	X	X	X			X
Vaccinium	membranaceum	X	X	X	X	X	X	X
Vaccinium	myrtilloides			X	X	X		X
Vaccinium	myrtilus	X	X	X	X			X
Vaccinium	ovalifolium	X	X	X	X	X		X
Vaccinium	scoparium	X	X	X	X	X	X	X

VASCULAR PLANTS OF THE MOUNTAIN NATIONAL PARKS

		B	G	J	K	R	W	Y
ERICACEAE (cont.)								
Vaccinium	uliginosum		X	X				
Vaccinium	vitis-idaea	X		X	X			X
EUPHORBIACEAE								
Euphorbia	esula	X			X		X	
FABACEAE								
Astragalus	aboriginum	X		X	X			X
Astragalus	alpinus	X		X	X			X X
Astragalus	americanus	X		X	X			X X
Astragalus	bourgovii	X			X			X X
Astragalus	canadensis							X
Astragalus	crassicaarpus							X
Astragalus	dasyglottis	X		X	X			X X
Astragalus	drummondii	X						X
Astragalus	eucosmus	X		X	X			X X
Astragalus	flexuosus	X						X
Astragalus	gilviflorus							X
Astragalus	lotiflorus					X		
Astragalus	miser	X		X	X			X X
Astragalus	missouriensis	X						
Astragalus	robbinsii	X		X	X			X X
Astragalus	striatus	X		X				X X
Astragalus	tenellus	X		X				X
Astragalus	vexilliflexus	X		X				X X
Caragana	arborescens	X	X	X		X		X
Glycyrrhiza	lepidota							X
Hedysarum	alpinum	X		X				X
Hedysarum	boreale	X		X	X	X	X	X X
Hedysarum	sulphurescens	X		X	X			X X
Lathyrus	ochroleucus	X	X	X	X			X X
Lotus	corniculatus		X					
Lupinus	arcticus						X	
Lupinus	argenteus							X
Lupinus	lepidus							X
Lupinus	nootkatensis			X				
Lupinus	polyphyllus		X		X	X		
Lupinus	sericeus	?						X
Medicago	falcata			X				
Medicago	lupulina	X	X	X	X			X X
Medicago	sativa	X	X	X	X	X	X	X X
Melilotus	alba	X	X	X	X	X	X	X X
Melilotus	officinalis	X	X	X	X	X	X	X X
Oxytropis	cusickii	X		X	X			X
Oxytropis	deflexa	X		X	X			X X
Oxytropis	jordalii			X				
Oxytropis	monticola	X		X	X			X X

VASCULAR PLANTS OF THE MOUNTAIN NATIONAL PARKS

		B	G	J	K	R	W	Y
FABACEAE (cont.)								
Oxytropis	podocarpa	X		X	X		X	
Oxytropis	sericea	X		X	X		X	X
Oxytropis	splendens	X		X	X		X	X
Oxytropis	viscida	X			X		X	
Petalostemon	purpureum							X
Thermopsis	rhombifolia	X			X		X	X
Trifolium	aureum	X	X		X	X	X	X
Trifolium	hybridum	X	X	X	X		X	X
Trifolium	pratense	X	X	X	X	X	X	X
Trifolium	repens	X	X	X	X		X	X
Vicia	americana	X		X	X		X	X
Vicia	cracca	X	X	X	X	X	X	X
FUMARIACEAE								
Corydalis	aurea	X		X	X	X	X	X
Corydalis	sempervirens			X			X	X
GENTIANACEAE								
Gentiana	affinis	X					X	
Gentiana	calycosa						X	
Gentiana	glauca	X	X	X				X
Gentiana	prostrata	X		X			X	
Gentianella	amarella	X		X	X		X	X
Gentianella	crinita	X		X			X	X
Gentianella	detonsa						X	
Gentianella	propinqua	X	X	X	X		X	X
Halenia	deflexa	X		X	X			X
Lomatogonium	rotatum	X		X				
GERANIACEAE								
Erodium	cicutarium							X
Geranium	bicknellii	X		X	X		X	X
Geranium	erianthum			X				
Geranium	richardsonii	X		X	X		X	X
Geranium	viscosissimum	X			X		X	
HALORAGACEAE								
Myriophyllum	exalbescens	X		X	X		X	X
Myriophyllum	verticillatum	X						
HIPPURIDACEAE								
Hippuris	montana	X		X				X
Hippuris	vulgaris	X	X	X			X	
HYDRANGEACEAE								
Philadelphus	lewisii						X	

VASCULAR PLANTS OF THE MOUNTAIN NATIONAL PARKS

		B	G	J	K	R	W	Y
HYDROPHYLLACEAE								
Hydrophyllum	capitatum							X
Nemophila	breviflora							X
Phacelia	franklinii	X		X				
Phacelia	hastata		X		X		X	X
Phacelia	linearis							X
Phacelia	lyallii							X
Phacelia	sericea	X	X	X	X			X
Romanzoffia	sitchensis	X	X	X	X			X
HYPERICACEAE								
Hypericum	formosum		X					X
Hypericum	perforatum				X	X		
IRIDACEAE								
Sisyrinchium	montanum	X		X	X			X
Sisyrinchium	septentrionale	X		X	X			
ISOETACEAE								
Isoetes	bolanderi							X
Isoetes	echinospora			X				
JUNCAEAE								
Juncus	acuminatus		?				?	
Juncus	albescens	X		X	X			X
Juncus	alpinoarticulatus	X	X	X	X	X	X	X
Juncus	balticus	X	X	X	X			X
Juncus	biglumis	X		X				
Juncus	bolanderi			X				
Juncus	bufonius	X						X
Juncus	castaneus	X		X				X
Juncus	confusus							X
Juncus	drummondii	X	X	X	X	X	X	X
Juncus	ensifolius	X	X	X	X	X	X	
Juncus	filiformis							?
Juncus	longistylis	X						X
Juncus	mertensianus	X	X	X		X	X	X
Juncus	nodosus	X		X	X			X
Juncus	parryi	X	X		X	X	X	
Juncus	regelii			X				
Juncus	stygicus	X						
Juncus	tenuis	X		?	X	X	X	X
Juncus	tracyi	X						X
Luzula	arcuata	X	X	X		X		
Luzula	hitchcockii		X		X	X	X	X
Luzula	multiflora	X		X				X
Luzula	parviflora	X	X	X	X	X	X	X
Luzula	piperi	X	X	X	X			X

VASCULAR PLANTS OF THE MOUNTAIN NATIONAL PARKS

B G J K R W Y

JUNCACEAE (cont.)

Luzula spicata x x x x x x x

JUNCAGINACEAE

Triglochin maritima x x x x x x  
 Triglochin palustris x x x x x x

LAMIACEAE

Dracocephalum parviflorum x  
 Galeopsis tetrahit x x x x x x  
 Glecoma hederacea x x  
 Lycopus uniflorus x  
 Mentha arvensis x x x x x x  
 Mentha spicata x  
 Monarda fistulosa x x  
 Nepeta cataria x  
 Prunella vulgaris x x x x x x  
 Stachys palustris x x x x

LEMNACEAE

Lemna minor x x

LENTIBULARIACEAE

Pinguicula vulgaris x x x x x x  
 Utricularia intermedia x x x x  
 Utricularia minor x x x x x  
 Utricularia vulgaris x x x x x x

LILIACEAE

Allium cernuum x x x x x  
 Allium geyeri x  
 Allium schoenoprasum x x x x x  
 Allium textile x x  
 Calochortus apiculatus x  
 Calochortus macrocarpus x  
 Camassia quamash x x  
 Clintonia uniflora x x x x x x  
 Disporum hookeri x x x x  
 Disporum trachycarpum x x x x x x  
 Erythronium grandiflorum x x x x x x  
 Fritillaria pudica x  
 Lilium columbianum x  
 Lilium philadelphicum x x x x x x  
 Maianthemum canadense x x  
 Smilacina racemosa x x x x x x  
 Smilacina stellata x x x x x x  
 Smilacina trifolia x x  
 Stenanthium occidentale x x x

VASCULAR PLANTS OF THE MOUNTAIN NATIONAL PARKS

		B	G	J	K	R	W	Y
LILIACEAE (cont.)								
Streptopus	amplexifolius	x	x	x	x	x	x	x
Streptopus	roseus		x		x	x		
Streptopus	streptopoides		x					
Tofieldia	glutinosa	x	x	x	x		x	x
Tofieldia	pusilla	x	x	x	x			x
Trillium	ovatum							x
Veratrum	eschscholtzii	x	x	x	x	x	x	x
Xerophyllum	tenax							x
Zygadenus	elegans	x	x	x	x		x	x
Zygadenus	venenosus	x	x		x	x	x	
LINACEAE								
Linum	lewisii	x		x	x		x	
Linum	ustatissimum							x
LOBELIACEAE								
Lobelia	kalmii	x	x	x	x			x
LORANTHACEAE								
Arceuthobium	americanum	x		x			x	x
LYCOPODIACEAE								
Lycopodium	alpinum	x	x	x	x	x		x
Lycopodium	annotinum	x	x	x	x	x	x	x
Lycopodium	clavatum	x		x	x			x
Lycopodium	complanatum	x	x	x	x	x	x	x
Lycopodium	obscurum							x
Lycopodium	selago	x	x	x	x	x		x
Lycopodium	sitchense	x	x	x	x	x	x	
MALVACEAE								
Iliamna	rivularis							x
MENYANTHACEAE								
Menyanthes	trifoliata	x	x	x	x		x	x
MONOTROPACEAE								
Monotropa	hypopitys		x			x	x	x
Monotropa	uniflora			x		x		
Pterospora	andromedeia							x
MORACEAE								
Humulus	lupulus	x					x	x
NYMPHAEACEAE								
Nuphar	variegatum							?

VASCULAR PLANTS OF THE MOUNTAIN NATIONAL PARKS

		B	G	J	K	R	W	Y
ONAGRACEAE								
Circaea	alpina	x	x		x	x	x	
Epilobium	anagallidifolium	x	x	x	x	x	x	x
Epilobium	angustifolium	x	x	x	x	x	x	x
Epilobium	ciliatum	x	x	x	x	x	x	x
Epilobium	clavatum	x	x	x	x		x	
Epilobium	glaberrimum				x		x	
Epilobium	hornemannii	x	x	x	x	x	x	
Epilobium	lactiflorum	x	x	x		x	x	
Epilobium	latifolium	x	x	x	x	x	x	x
Epilobium	leptocarpum			x			x	
Epilobium	leptophyllum	?						
Epilobium	luteum	x	x	x				
Epilobium	mirabile							x
Epilobium	palustre	x	x	x	x		x	
Epilobium	paniculatum				x		x	
Gaura	coccinea							x
Gayophytum	racemosum							x
Oenothera	biennis							x x
Oenothera	flava							x
OPHIOGLOSSACEAE								
Botrychium	boreale	x		x			x	x
Botrychium	dusenii	?		?			x	
Botrychium	hesperium							x
Botrychium	lanceolatum	x		x				
Botrychium	lunaria	x	x	x	x	x	x	x
Botrychium	matricariaefolium					x		
Botrychium	minganense							x x
Botrychium	multifidum		x	x				
Botrychium	paradoxum							x
Botrychium	simplex			x				x x
Botrychium	spathulatum	x						x
Botrychium	virginianum	x	x	x	x			x x
Botrychium	x watertonense							x
ORCHIDACEAE								
Calypso	bulbosa	x		x	x		x	x
Corallorhiza	maculata					x	x	x
Corallorhiza	mertensiana		x					
Corallorhiza	striata	x	x		x	x	x	x
Corallorhiza	trifida	x	x	x	x	x	x	x
Cypripedium	calceolus	x		x				x
Cypripedium	montanum	?		?	x		x	x
Cypripedium	passerinum	x		x	x		x	x
Goodyera	oblongifolia	x	x	x	x	x	x	x
Goodyera	repens	x		x	x			x
Habenaria	dilatata	x	x	x	x	x	x	x

VASCULAR PLANTS OF THE MOUNTAIN NATIONAL PARKS

		B	G	J	K	R	W	Y
ORCHIDACEAE (cont.)								
Habenaria	hyperborea	x	x	x	x	x	x	x
Habenaria	obtusata	x	x		x	x	x	x
Habenaria	orbiculata			x	x	x		x
Habenaria	saccata	?	x	?	x	x	x	x
Habenaria	unalascensis	x	x	x	x	x	x	x
Habenaria	viridis	x	x	x	x	x	x	x
Listera	borealis	x		x	x		x	x
Listera	caurina	x	x					x
Listera	convallarioides			?	x			x
Listera	cordata	x	x	x	x	x	x	x
Orchis	rotundifolia	x		x	x		x	x
Spiranthes	romanzoffiana	x	x	x	x	x	x	x
OROBANCHACEAE								
Orobanche	fasciculata	x		x	x			x
Orobanche	uniflora	?						x
PAPAVERACEAE								
Papaver	freedmanianum				x			
Papaver	kluanensis	x		x				
Papaver	nudicaule	x		x				x
Papaver	pygmaeum							x
PINACEAE								
Abies	grandis							?
Abies	lasiocarpa	x	x	x	x	x	x	x
Larix	laricina			x				
Larix	lyallii	x			x		x	x
Larix	occidentalis				x			
Picea	engelmannii	x	x	x	x	x	x	x
Picea	glauca	x		x	x		x	x
Picea	mariana	x		x				
Pinus	albicaulis	x	x	x	x	x	x	x
Pinus	contorta	x	x	x	x	x	x	x
Pinus	flexilis	x		x	x		x	x
Pinus	monticola			x			x	x
Pinus	ponderosa						x	
Pseudotsuga	menziesii	x	x	x	x	x	x	x
Tsuga	heterophylla	x	x		x	x		x
Tsuga	mertensiana			x			x	
PLANTAGINACEAE								
Plantago	canescens				x			
Plantago	eriopoda	x						
Plantago	lanceolata	x	x			x		x
Plantago	major	x	x	x	x	x	x	x



VASCULAR PLANTS OF THE MOUNTAIN NATIONAL PARKS

B G J K R W Y

POACEAE

Agroelymus	x bowdenii	x							
Agroelymus	x hirtiflorus	x	x						
Agroelymus	x mossii	x	x						
Agroelymus	x turneri	x							
Agrohordeum	x macounii	x						x	
Agropyron	albicans	x	x					x	
Agropyron	dasystachyum	x	x					x	
Agropyron	pectiniforme	x	x	x	x	x	x	x	x
Agropyron	repens	x	x	x	x			x	x
Agropyron	scribneri								x
Agropyron	smithii	x	x					x	
Agropyron	spicatum	x			x			x	x
Agropyron	trachycaulum	x	x	x	x			x	x
Agropyron	violaceum	x	x	x	x	x	x	x	x
Agropyron	x brevifolium								x
Agropyron	x pseudorepens								x
Agrostis	exarata						x		x
Agrostis	humilis	x	x						x
Agrostis	mertensii	x	x		x				
Agrostis	scabra	x	x	x	x	x	x	x	x
Agrostis	stolonifera	x	x		x	x	x	x	x
Agrostis	tenuis		x						
Agrostis	thurberiana	x	x	x		x	x	x	x
Agrostis	variabilis	x	x	x	x	x			x
Aira	praecox		x						
Alopecurus	aequalis	x	x					x	
Alopecurus	occidentalis								x
Avena	fatua								x
Avena	sativa			x					x
Beckmannia	syzigachne	x	x					x	
Bromus	altissimus	x							
Bromus	anomalous								x
Bromus	carinatus		x		x		x	x	x
Bromus	ciliatus	x	x	x	x	x	x	x	x
Bromus	commutatus								x
Bromus	inermis	x	x	x	x			x	x
Bromus	sitchensis							x	
Bromus	tectorum	x			x			x	
Bromus	vulgaris		x		x	x	x		
Calamagrostis	canadensis	x	x	x	x	x	x	x	x
Calamagrostis	inexpansa	x	x	x	x			x	x
Calamagrostis	lapponica				?				
Calamagrostis	montanensis	x		x	x			x	
Calamagrostis	purpurascens	x		x	x	x	x	x	x
Calamagrostis	rubescens	x			x	x	x	x	x
Calamagrostis	stricta	x	x					x	x
Calamovilfa	longifolia								x

VASCULAR PLANTS OF THE MOUNTAIN NATIONAL PARKS

		B	G	J	K	R	W	Y
POACEAE (cont.)								
Catabrosa	aquatica							X
Cinna	latifolia	X	X		X	X	X	X
Dactylis	glomerata	X	X	X				X
Danthonia	californica	X		X			X	X
Danthonia	parryi	X					X	
Danthonia	spicata		X		X	X		X
Danthonia	unispicata						X	
Deschampsia	caespitosa	X		X	X		X	X
Deschampsia	elongata						X	
Dichanthelium	acuminatum	X						
Elymus	canadensis	X		X			X	
Elymus	glaucus	X	X	X	X	X	X	X
Elymus	innovatus	X		X	X	X	X	X
Elymus	piperi						X	
Festuca	altaica			X	X			
Festuca	baffinensis	X		X	X		X	
Festuca	brachyphylla	X	X	X	X	X	X	X
Festuca	idahoensis						X	
Festuca	occidentalis				X	X	X	
Festuca	ovina	X	X					X
Festuca	pratensis	X					X	
Festuca	rubra	X	X	X	X	X	X	X
Festuca	saximontana	X		X			X	
Festuca	scabrella	X		X	X		X	
Festuca	subulata		X				?	
Glyceria	borealis	X					X	
Glyceria	elata		X		X	X	X	
Glyceria	grandis	X	X			X	X	
Glyceria	pulchella	X	X		X			
Glyceria	striata	X		X	X	X	X	X
Helictotrichon	hookeri	X		X			X	
Hierochloa	alpina			X				
Hierochloa	odorata	X	X	X	X		X	X
Hordeum	jubatum	X	X	X	X		X	X
Hordeum	vulgare			X				X
Koeleria	macrantha	X		X	X		X	X
Lolium	perenne		X			X		X
Melica	smithii		X		X		X	X
Melica	spectabilis	X					X	X
Melica	subulata		X				X	
Muhlenbergia	cuspidata	X		X				
Muhlenbergia	glomerata	X	X	X	X			X
Muhlenbergia	richardsonis	X		X			X	
Oryzopsis	asperifolia	X		X	X		X	X
Oryzopsis	exigua						X	X
Oryzopsis	hymenoides				X			X
Oryzopsis	micrantha				X			X

VASCULAR PLANTS OF THE MOUNTAIN NATIONAL PARKS

		B	G	J	K	R	W	Y
POACEAE (cont.)								
Oryzopsis	pungens	X		X	X			
Phalaris	arundinacea	X		X			X	X
Phleum	commutatum	X	X	X	X	X	X	X
Phleum	pratense	X	X	X	X	X	X	X
Phragmites	australis			X				
Poa	alpina	X	X	X	X		X	X
Poa	annua	X	X		X	X	X	
Poa	arctica	X	X	X	X	X	X	X
Poa	arida	X						
Poa	canbyi	X		X	X		X	
Poa	compressa				X		X	
Poa	cusickii	X	X	X		X	X	X
Poa	epilis	X	X	X	X	X	X	
Poa	fendleriana		X					
Poa	glauca	X	X	X	X		X	
Poa	glaucifolia							X
Poa	gracillima					X	X	
Poa	interior	X		X	X		X	
Poa	juncifolia	X						X
Poa	leptocoma	X	X	X	X			
Poa	lettermanii	X		X				
Poa	nemoralis	X						
Poa	nervosa	X		X	X	X	X	
Poa	palustris	X	X	X	X	X	X	
Poa	pattersonii	X	X	X			X	
Poa	pratensis	X	X	X	X	X	X	X
Poa	sandbergii	X		X	X		X	
Poa	stenantha	X	X		X		X	
Puccinellia	distans	X						
Puccinellia	nuttalliana	X		X				
Schizachne	purpurascens	X		X	X		X	X
Schizachyrium	scoparium	X						
Secale	cereale			X				X
Setaria	viridis					X		
Sitanion	hystrix	X						X
Sphenopholis	intermedia	X						
Stipa	columbiana	X	X	X	X		X	X
Stipa	comata	X		X	X		X	
Stipa	curtiseta	X						X
Stipa	richardsonii	X		X	X		X	
Stipa	spartea	X						
Stipa	viridula							X
Trisetum	canescens							X
Trisetum	cernuum		X			X	X	
Trisetum	montanum	?						X
Trisetum	spicatum	X	X	X	X	X	X	X
Trisetum	wolfii							X

VASCULAR PLANTS OF THE MOUNTAIN NATIONAL PARKS

B G J K R W Y

POACEAE (cont.)

Triticum	aestivum								X
Vahlodea	atropurpurea	X	X	X	X	X	X	X	X

POLEMONIACEAE

Collomia	linearis	X							X	X
Linanthus	septentrionalis								X	
Phlox	hoodii	X							X	
Polemonium	acutiflorum	X	X							
Polemonium	pulcherrimum	X	X	X				X		
Polemonium	viscosum								X	

POLYGONACEAE

Eriogonum	androsaceum	X	X						X	
Eriogonum	flavum	X	?						X	
Eriogonum	ovalifolium	X							X	X
Eriogonum	umbellatum	X			X				X	X
Fagopyrum	esculentum		X							
Koenigia	islandica			X						
Oxyria	digyna	X	X	X	X	X	X	X	X	X
Polygonum	amphibium	X	X	X	X				X	
Polygonum	arenastrum	X	X	X					X	X
Polygonum	austinae	X	X					X	X	
Polygonum	bistortoides			?					X	
Polygonum	coccineum								X	
Polygonum	convolvulus								X	X
Polygonum	douglasii	X	X					X	X	
Polygonum	engelmannii		X					X	X	
Polygonum	erectum	X	X						X	
Polygonum	lapathifolium								X	
Polygonum	minimum	?	X					X	X	
Polygonum	monspeliense			X						
Polygonum	persicaria							X		
Polygonum	ramosissimum	?								
Polygonum	viviparum	X	X	X	X				X	X
Rheum	rhaponticum	X	X							
Rumex	acetosa	X	X						X	
Rumex	acetosella	X	X	X				X	X	X
Rumex	crispus	X							X	X
Rumex	maritimus	X	X						X	
Rumex	obtusifolius		X							
Rumex	occidentalis	X	X						X	X
Rumex	paucifolius	X	X						X	
Rumex	triangulivalvis	X							X	X

POLYPODIACEAE

Adiantum	pedatum		X					X	X	X
Aspidotis	densa								X	

VASCULAR PLANTS OF THE MOUNTAIN NATIONAL PARKS

B G J K R W Y

POLYPODIACEAE (cont.)

Asplenium	trichomanes		x			x		
Asplenium	viride	x	x	x	x		x	x
Athyrium	distentifolium		x	x		x	x	
Athyrium	filix-femina	x	x	x	x	x	x	x
Blechnum	spicant						x	
Cheilanthes	feeii	x		x	x			
Cheilanthes	gracillima							x
Cryptogramma	acrostichoides		x			x	x	x
Cryptogramma	stelleri	x	x	x	?		x	x
Cystopteris	fragilis	x	x	x	x	x	x	x
Cystopteris	montana			x	x		x	x
Dryopteris	expansa	x	x	x	x	x	x	x
Dryopteris	filix-mas		x			x	x	x
Dryopteris	fragrans				x			
Gymnocarpium	dryopteris	x	x	x	x	x	x	x
Pellaea	atropurpurea	x						
Pellaea	glabella	x		x	x			
Polypodium	hesperium					x	x	
Polystichum	lonchitis	x	x	x	x		x	x
Pteridium	aquilinum	x	x	x		x	x	
Thelypteris	phegopteris			x		x		
Woodsia	glabella	x		x				
Woodsia	oregana	x		x	x		x	x
Woodsia	scopulina	x	x	x	x	x	x	x

PORTULACACEAE

Claytonia	lanceolata	x	x	x	x		x	x
Claytonia	megarrhiza	x					x	
Lewisia	pygmaea						x	
Montia	linearis						x	
Montia	parvifolia		x			x	x	

POTAMOGETONACEAE

Potamogeton	alpinus	x	x	x	x		x	
Potamogeton	filiformis	x		x			x	
Potamogeton	friesii	x						
Potamogeton	gramineus		x	x	x		x	x
Potamogeton	natans	x	x	x				
Potamogeton	pectinatus	x		x			x	x
Potamogeton	praelongus					x		x
Potamogeton	pusillus	x			x		x	
Potamogeton	richardsonii	x		x			x	
Potamogeton	vaginatus	x		x			x	

PRIMULACEAE

Androsace	chamaejasme	x		x			x	
Androsace	septentrionalis	x	x	x	x		x	x

VASCULAR PLANTS OF THE MOUNTAIN NATIONAL PARKS

B G J K R W Y

PRIMULACEAE (cont.)

Dodecatheon	conjugens	X		X		X		
Dodecatheon	pulchellum	X	X	X		X	X	
Douglasia	montana						X	
Lysimachia	ciliata						X	
Lysimachia	thyrsiflora					X		
Primula	egaliksensis			X				
Primula	incana	X	X					
Primula	mistassinica	X	X	X	X			X
Primula	stricta			X				
Trientalis	europaea		X	X				

PYROLACEAE

Chimaphila	umbellata	X	X	X	X	X	X	X
Moneses	uniflora	X	X	X	X	X	X	X
Orthilia	secunda	X	X	X	X	X	X	X
Pyrola	asarifolia	X	X	X	X	X	X	X
Pyrola	chlorantha	X	X	X	X	X	X	X
Pyrola	elliptica	?		X				
Pyrola	grandiflora	X	X					
Pyrola	minor	X	X	X	X	X	X	X
Pyrola	picta		X			X	X	

RANUNCULACEAE

Aconitum	delphinifolium	X		X				
Actaea	rubra	X	X	X	X	X	X	X
Anemone	canadensis							X
Anemone	cylindrica	X					X	
Anemone	lithophila	X	X	X	X		X	X
Anemone	multifida	X	X	X	X	X	X	X
Anemone	occidentalis	X	X	X	X	X	X	X
Anemone	parviflora	X	X	X	X		X	X
Anemone	patens	X		X	X		X	?
Anemone	richardsonii	X	X					
Aquilegia	brevistyla	X		X	X			
Aquilegia	flavescens	X	X	X	X	X	X	X
Aquilegia	formosa		X	X				
Aquilegia	jonesii							X
Caltha	leptosepala	X	X	X	X	X		
Clematis	ligusticifolia							X
Clematis	occidentalis	X		X	X		X	X
Clematis	tangutica			X	X			
Delphinium	bicolor	X		X			X	
Delphinium	glaucum	X		X	X		?	
Delphinium	nuttallianum	X	X	?	X	X		X
Ranunculus	abortivus	X			X		X	X
Ranunculus	acris	X	X	X	X	X	X	X
Ranunculus	aquatilis	X		X	X	X	X	X

VASCULAR PLANTS OF THE MOUNTAIN NATIONAL PARKS

		B	G	J	K	R	W	Y
RANUNCULACEAE (cont.)								
Ranunculus	cardiophyllus	x		x			x	
Ranunculus	circinatus	x		x			x	
Ranunculus	cymbalaria	x		x	x		x	x
Ranunculus	eschscholtzii	x	x	x	x	x	x	x
Ranunculus	glaberrimus	x					x	
Ranunculus	gmelinii	x	x	x		x	x	x
Ranunculus	grayi	x		x				x
Ranunculus	hyperboreus	x		x				
Ranunculus	inamoenus	x		x	x		x	x
Ranunculus	macounii	x					x	
Ranunculus	nivalis				x			
Ranunculus	occidentalis	x		x	x			
Ranunculus	pedatifidus	x		x	x		x	x
Ranunculus	pensylvanicus						x	
Ranunculus	pygmaeus	x		x	x			x
Ranunculus	repens							x
Ranunculus	reptans	x		x	x		x	x
Ranunculus	scleratus	x		x	x		x	
Ranunculus	uncinatus			x	x		x	x
Ranunculus	verecundus	x	x		x	x	x	x
Thalictrum	dasycarpum							x
Thalictrum	occidentale	x	x	x	x	x	x	x
Thalictrum	venulosum	x		x	x		x	
Trollius	albiflorus	x	x	x	x	x	x	x
RHAMNACEAE								
Ceanothus	sanguineus			x	x	x		
Ceanothus	velutinus			x	?	x	x	
Rhamnus	alnifolia							x
Rhamnus	purshiana							x
ROSACEAE								
Amelanchier	alnifolia	x	x	x	x	x	x	x
Aruncus	sylvester			x	x		x	x
Chamaerhodos	erecta	x		x				
Crataegus	douglasii							x
Crataegus	rotundifolia							x
Dryas	drummondii	x	x	x	x		x	x
Dryas	integrifolia	x		x				x
Dryas	octopetala	x	x	x	x	x	x	x
Fragaria	vesca				x		x	x
Fragaria	virginiana	x	x	x	x		x	x
Geum	allepicum	x		x	x		x	
Geum	macrophyllum	x	x	x	x	x	x	x
Geum	rivale	x		x			x	
Geum	triflorum	x		x	x		x	
Holodiscus	discolor							x

VASCULAR PLANTS OF THE MOUNTAIN NATIONAL PARKS

ROSACEAE (cont.)		B	G	J	K	R	W	Y
Luetkea	pectinata	x	x	x	x	x		x
Physocarpus	malvaceus							x
Potentilla	anserina	x		x	x			x x
Potentilla	argentea			x		x		x
Potentilla	arguta	x		?				x
Potentilla	bipinnatifida	x		x				x
Potentilla	concinna	x						x
Potentilla	diversifolia	x	x	x	x	x	x	x
Potentilla	drummondii	x	x	x				x
Potentilla	flabellifolia							x
Potentilla	fruticosa	x	x	x	x			x x
Potentilla	glandulosa	x		x				x
Potentilla	gracilis	x		x	x			x x
Potentilla	hippiana	x						x
Potentilla	hookeriana	x		x				x
Potentilla	hyparctica	x	x	x	x			
Potentilla	multisecta	x		x				x
Potentilla	nivea	x		x	x			x
Potentilla	norvegica	x	x	x	x			x x
Potentilla	ovina	x						x
Potentilla	palustris	x	x	x	x			x
Potentilla	pennsylvanica	x		x	x			x
Potentilla	rivalis	x		x				x x
Potentilla	uniflora	x	x	x				x x
Potentilla	villosa	x	x	x				x x
Prunus	pennsylvanica	x	x	x				x x
Prunus	virginiana	x		x	x	x	x	x x
Rosa	acicularis	x		x	x			x x
Rosa	arkansana							x
Rosa	gymnocarpa			x				
Rosa	woodsii	x		x	x			x x
Rubus	arcticus	x	x	x	x			x x
Rubus	chamaemorus			x				
Rubus	idaeus	x	x	x	x	x	x	x x
Rubus	parviflorus	x	x	x	x	x	x	x x
Rubus	pedatus	x	x	x	x	x		x
Rubus	procerus							x
Rubus	pubescens	x	x	x	x			x x
Sibbaldia	procumbens	x	x	x	x	x	x	x x
Sorbus	scopolina	x	x	x	x	x	x	x x
Sorbus	sitchensis	x	x	x				x x
Spiraea	alba	?						
Spiraea	betulifolia	x	x	x	x	x	x	x x
Spiraea	densiflora		x					x
Spiraea	douglasii							x



VASCULAR PLANTS OF THE MOUNTAIN NATIONAL PARKS

B G J K R W Y

RUBIACEAE

Galium	boreale	x	x	x	x	x	x
Galium	trifidum	x	x	x	x	x	x
Galium	triflorum	x	x	x	x	x	x

SALICACEAE

Populus	balsamifera	x	x	x	x	x	x
Populus	tremuloides	x	x	x	x	x	x
Salix	alaxensis	x	x				
Salix	arbusculoides	x	x				x
Salix	arctica	x	x	x	x		x
Salix	arctophila		x				
Salix	athabascensis	x	x				
Salix	barclayi	x	x	x	x	x	x
Salix	barrattiana	x	x	x	x	x	x
Salix	bebbiana	x	x	x			x
Salix	boothii	x	?				x
Salix	brachycarpa	x	x	x	x		x
Salix	candida	x	x	x	x		x
Salix	commutata	x	x	x	x	x	x
Salix	discolor	x	x	x			x
Salix	drummondiana	x	x	x	x		x
Salix	exigua			x	x		x
Salix	farriae	x	x	x			x
Salix	glauca	x	x	x	x	x	x
Salix	lanata	x	x				
Salix	lasiandra						x
Salix	lucida	x	x	x	x	x	x
Salix	maccalliana	x					x
Salix	melanopsis	x	x	x	x		x
Salix	myrtilifolia	x	x	x			x
Salix	pedicellaris	?				x	
Salix	planifolia	x	x				x
Salix	prolixa	x	x	x	x		x
Salix	pseudomonticola	x	x	x	x	x	x
Salix	pyrifolia	?	?				
Salix	reticulata	x	x	x	x		x
Salix	rigida						x
Salix	scouleriana	x	x	x	x	x	x
Salix	serissima	x	x				x
Salix	sitchensis		x	?		x	
Salix	stolonifera			x			
Salix	vestita	x	x	x	x		x

SANTALACEAE

Comandra	umbellata	x	x	x			x
Geocaulon	lividum	x	x	x	x		x

VASCULAR PLANTS OF THE MOUNTAIN NATIONAL PARKS

		B	G	J	K	R	W	Y
SAXIFRAGACEAE								
Chrysosplenium	iowense	x	x					
Chrysosplenium	tetrandrum	x	x					x
Conimitella	williamsii							x
Heuchera	cylindrica	x	x	?	x	x	x	x
Heuchera	glabra		x	x		x		
Heuchera	parvifolia							x
Heuchera	richardsonii	x				x		
Leptarrhena	pyrolifolia	x	x	x	x	x	x	x
Lithophragma	glabra	x						x
Lithophragma	parviflora	x			x			x
Mitella	breweri	x	x		x	x	x	x
Mitella	nuda	x		x	x		x	x
Mitella	pentandra	x	x	x	x		x	x
Mitella	trifida	x	x	x	x		x	x
Parnassia	fimbriata	x	x	x	x	x	x	x
Parnassia	kotzebuei	x		x			x	x
Parnassia	palustris	x		x	x		x	x
Parnassia	parviflora	x	x	x	x			x
Ribes	glandulosum	x		x				
Ribes	hirtellum					x		
Ribes	hudsonianum	x		x	x			
Ribes	inerme							x
Ribes	lacustre	x	x	x	x	x	x	x
Ribes	laxiflorum	x	x	x	x	x		
Ribes	oxyacanthoides	x		x	x		x	x
Ribes	triste				x			x
Ribes	viscosissimum					x		x
Saxifraga	adscendens	x	x	x	x		x	x
Saxifraga	aizoides	x	x	x	x			x
Saxifraga	bronchialis	x	x	x	x	x	x	x
Saxifraga	caespitosa	x	x	x	x		x	x
Saxifraga	cernua	x	x	x	x		x	x
Saxifraga	ferruginea	x	x	x	x	x	x	
Saxifraga	flagellaris	x		x				
Saxifraga	hyperborea	x	x	x	x		x	
Saxifraga	lyallii	x	x	x	x	x	x	x
Saxifraga	mertensiana		x			x	x	
Saxifraga	nelsoniana	x		x				x
Saxifraga	nivalis	?		x				
Saxifraga	occidentalis	x	x	x	x	x	x	x
Saxifraga	oppositifolia	x	x	x	x	x		x
Saxifraga	rhomboidea		x		x			
Saxifraga	tricuspidata					x		
Suksdorfia	ranunculifolia							x
Suksdorfia	violacea							x
Telesonix	heucheriformis					x		
Tellima	grandiflora		x					x

VASCULAR PLANTS OF THE MOUNTAIN NATIONAL PARKS

B G J K R W Y

SAXIFRAGACEAE (cont.)

Tiarella unifoliata x x x x x x x

SCROPHULARIACEAE

Besseya	wyomingensis						x
Castilleja	cervina			x			
Castilleja	cusickii						x x
Castilleja	gracillima						x
Castilleja	hispida	x x		x x x			
Castilleja	lutescens			x		x	
Castilleja	miniata	x x x	x x x	x x x			
Castilleja	occidentalis	x x x	x x x	x x x			
Castilleja	parviflora						x
Castilleja	raupii			?			
Castilleja	rhexifolia	x x x	x x x	x x x			
Castilleja	sulphurea						x x
Chaenorrhinum	minus						x
Collinsia	parviflora	x x		x		x x	
Digitalis	purpurea					x	
Euphrasia	arctica	x x x					
Linaria	dalmatica	x	x x			x	
Linaria	vulgaris	x x x	x x x	x x x			
Melampyrum	lineare	x x x	x				
Mimulus	floribundus						x
Mimulus	guttatus	?	x			x x	
Mimulus	lewisii		x x			x x	
Mimulus	moschatus		x			x	
Mimulus	tilingii		x			x	?
Orthocarpus	luteus	x	x				x
Pedicularis	arctica	x	x				
Pedicularis	bracteosa	x x x	x x x	x x x			
Pedicularis	capitata	x	x				
Pedicularis	contorta	x		x			x x
Pedicularis	flammea	x	x				
Pedicularis	groenlandica	x	x				x x
Pedicularis	labradorica	?	x				
Pedicularis	lanata			x			
Pedicularis	parviflora	?	?				
Pedicularis	racemosa	x x x	x x x				x
Penstemon	albertinus						x x
Penstemon	confertus	x	?	x			x x
Penstemon	ellipticus	x x x	x x x	x x x			
Penstemon	eriantherus			x			x
Penstemon	fruticosus	x x		x x			
Penstemon	lyallii						x
Penstemon	nitidus	?					x
Penstemon	procerus	x	x				x
Penstemon	serrulatus						x

VASCULAR PLANTS OF THE MOUNTAIN NATIONAL PARKS

		B	G	J	K	R	W	Y
SCROPHULARIACEAE (cont.)								
Rhinanthus	minor	x		x		x	x	
Verbascum	thapsus	x	x		x	x	x	x
Veronica	alpina	x	x	x	x	x	x	x
Veronica	americana	x	x	x	x	x	x	x
Veronica	catenata							x
Veronica	officinalis							x
Veronica	peregrina	?						x
Veronica	scutellata							x
Veronica	serpyllifolia	?	x				x	x
SELAGINELLACEAE								
Selaginella	densa	x	x	x	x	x	x	x
Selaginella	rupestris	x		x				
Selaginella	selaginoides	x	x	x	x	x		x
Selaginella	wallacei							x
SPARGANIACEAE								
Sparganium	angustifolium	x	x	x		x	x	x
Sparganium	hyperboreum	x		x				
Sparganium	minimum			x	x	x		x
TAXACEAE								
Taxus	brevifolia			x			x	x
TYPHACEAE								
Typha	latifolia	x	x		x	x	x	x
URTICACEAE								
Urtica	dioica	x	x	x	x	x	x	x
Urtica	urens	x		x				
VALERIANACEAE								
Valeriana	dioica	x		x				x
Valeriana	sitchensis	x	x	x	x	x	x	x
VERBENACEAE								
Verbena	bracteata							x
VIOLACEAE								
Viola	adunca	x	x	x	x	x	x	x
Viola	canadensis	x	x	x	x	x	x	x
Viola	glabella			x		x		x
Viola	macloskeyi							x
Viola	nephrophylla	x		x	x			x
Viola	nuttallii							x
Viola	orbiculata	x	x	x	x	x	x	x
Viola	palustris	x	x	x	x			x

VASCULAR PLANTS OF THE MOUNTAIN NATIONAL PARKS

B G J K R W Y

VIOLACEAE (cont.)

Viola	praemorsa								X
Viola	renifolia	X	X	X	X	X			X
Viola	selkirkii	?		?					
Viola	vallicola								X

