

ROCKY MOUNTAIN BIOLOGICAL LABORATORY

VASCULAR PLANTS OF THE GOTHIC AREA
Third Edition

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This list of the vascular plants of the Gothic area was developed as a result of studies of specimens of the Rocky Mountain Biological Laboratory (RMBL) Herbarium, literature searches plus extensive field activity and collecting by the authors.

The list covers the following geographic area in Gunnison County, CO:

From the highest point west of Queen Basin along the ridge to White Rock Mountain and then to the Gunnison-Pitkin County line at Triangle Pass. North and west along the county line (which follows the ridges) to West Maroon Pass and the Forest Service boundary. Following the boundary along the ridge to Bellview Mountain, Schofield Pass, and to the top of Mount Baldy. East along the Mount Baldy ridgeline over Gothic Mountain to the top of Snodgrass Mountain. From Snodgrass, northeastward and back to the ridge above Queen Basin including the several Kettle Ponds in the East River Valley Meadows. (Fig. 1)

Hartman and Nelson's (2001) *A Checklist of the Vascular Plants of Colorado* is the basic botanical authority for this checklist. Plant taxonomy is always in flux; the decision to use Hartman and Nelson was based on practicalities, not, to quote those authors "that we have superior knowledge!" Synonymies from Weber and Wittmann's floras (1996 and 2001) are included since that taxonomy is familiar to many who botanize in Colorado. For those familiar with our first edition, Appendix 1 lists older taxonomic names (and synonymies) that otherwise do not appear in this third edition. Other useful treatments of Rocky Mountain flora are listed in the references.

The authors did not attempt to verify each and every identification in the RMBL Herbarium nor was it possible to check independently for complete accuracy in early plant lists that were used as starting points for this work. It is recognized there may be errors, but the authors are confident, based on an extensive familiarity with the local flora, they are few. The authors would be pleased to know of additions or corrections to this list.

REFERENCES

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Fern Allies

EQUISETACEAE - Horsetail Family

Equisetum arvense L.

Equisetum laevigatum A. Braun

Hippochaete laevigata (A. Braun) Farw. of Weber and Wittmann 1996

Equisetum variegatum Schleich.

Hippochaete variegata (Schleich.) Bruhin of Weber and Wittmann 1996

ISOËTACEAE - Quillwort Family

Isoetes bolanderi Engelm.

LYCOPODIACEAE - Club-Moss Family

Lycopodium annotinum L.

SELAGINELLACEAE - Little Club-Moss Family

Selaginella densa Rydb.

Ferns

ASPLENIACEAE - Spleenwort Family

+*Asplenium trichomanes-ramosum* L.

A. viride Hudson of Weber and Wittmann 2001

ASPIDIACEAE (see Polypodiaceae) - Shield-Fern Family

ATHYRIACEAE (see Dryopteridaceae) - Lady-Fern Family

CRYPTOGRAMMACEAE (see Pteridiaceae) - Rock Brake Family

DENNSTAEDTIACEAE – Bracken Family

Pteridium aquilinum (L.) Kunh. (Hypolepidaceae of Weber and Wittmann 1996)

DRYOPTERIDACEAE (Includes Athyriaceae of Weber and Wittmann 1996) - Wood-Fern Family

Anthyrium felix-femina (L.) Roth

+*Gymnocarpium dryopteris* (L.) Newman

HYPOLEPIDACEAE (see Dennstaedtiaceae) - Bracken Family

OPHIOGLOSSACEAE - Adder's Tongue Family

Botrychium hesperium (Maxon and R. T. Clausen) W. H. Wagner and Lellinger

Botrychium lunaria (L.) Sw.

POLYPODIACEAE - Polypody Family (Segregated into Aspidiaceae, Athyriaceae, and Woodsiaceae of Weber and Wittmann 1996)

Cystopteris fragilis (L.) Bernh. (Athyriaceae of Weber and Wittmann 1996)

Polystichum lonchitis (L.) Roth. (Aspidiaceae of Weber and Wittmann 1996)

Woodsia oregana D.C. Eaton (Woodsiaceae of Weber and Wittmann 1996)

PTERIDACEAE (includes Cryptogrammaceae of Weber and Wittmann 1996) – Maidenhair Family

Cryptogramma acrostichoides R. Br.

Cryptogramma stelleri (Geml.) Prantl

WOODSIACEAE (see Polypodiaceae) - Woodsia Family

GYMNOSPERMAE - Naked Seed Plants

CUPRESSACEAE - Cypress Family

Juniperus communis L.

PINACEAE - Pine Family

Abies arizonica Merriam

Picea engelmanni (Parry) Engelm.

Pinus contorta Engelm.

Pinus aristata Engelm.

Pseudotsuga taxifolia (Poir.) Britton

P. menziesii (Mirb.) Franco of Weber and Wittmann 1996

ANGIOSPERMAE - Enclosed Seed Plants

ACERACEAE - Maple Family

Acer glabrum Torr.

ADOXACEAE - Adoxa Family

Adoxa moschatellina L.

AGAVACEAE - Agave Family

Yucca glauca Nutt.

ALLIACEAE (see Liliaceae) - Onion Family

ALSINACEAE (see Caryophyllaceae) - Chickweed Family

APIACEAE (UMBELLIFERAE) - Parsley Family

Angelica ampla A. Nelson

Angelica grayi J. M. Coult. and Rose

Conioselinum scopulorum (A. Gray) J. M. Coult. & Rose
Cymopterus alpinus A. Gray
Oreoxis alpina (A. Gray) J. M. Coult. & Rose
Cymopterus lemonii (J. M. Coult. & Rose) Dorn
Pseudocymopterus montanus (A. Gray) J. M. Coult. & Rose of Weber and Wittmann 1996
Heracleum sphondylium L. var. *lanatum* (Michx.) Dorn
H. sphondylium L. ssp. *montanum* (Schleich.) Briq. of Weber and Wittmann 1996
Ligusticum tenuifolium S. Watson
L. filicinum S. Watson
Ligusticum porteri J. M. Coult. & Rose
Lomatium dissectum (Nutt.) Mathias & Constance
Osmorhiza depauperata Phil.
Osmorhiza occidentalis (Nutt.) Torr.
Oxypolis fendleri (A. Gray) A. Heller

APOCYNACEAE - Dogbane Family

Apocynum androsaemifolium L.

ASCLEPIADACEAE - Milkweed Family

Asclepias speciosa Torr. of Weber and Wittmann 1996
 +*Asclepias subverticillata* (A. Gray) Vail

ASTERACEAE (COMPOSITAE) - Sunflower Family

Achillea millefolium L. var. *lanulosa* (Nutt.) Piper
A. lanulosa Nutt. of Weber and Wittmann 1996
Agoseris aurantiaca (Hook.) Greene
Agoseris glauca (Pursh) D. Dietr.
Anaphalis margaritacea (L.) Benth. & Hook.
Antennaria anaphaloides Rydb.
A. pulcherrima (Hook.) Greene ssp. *anaphaloides* (Rydb.) W.A. Weber of Weber and Wittmann 1996
Antennaria corymbosa E. Nelson
Antennaria dimorpha (Nutt.) Torr. & A. Gray
Antennaria media Greene
Antennaria microphylla Rydb.
Antennaria parvifolia Nutt.
Antennaria rosea Greene
Antennaria rosulata Rydb.
Antennaria umbrinella Rydb.
Arnica chamissonis Less.
Arnica cordifolia Hook.
Arnica latifolia Bong.
Arnica longifolia D.C. Eaton
Arnica mollis Hook.
Arnica parryi A. Gray
Arnica rydbergii Greene

- Artemisia cana* Pursh
Seriphidium canum (Pursh) W.A. Weber of Weber and Wittmann 1996
Artemisia dracunculus L.
Oligosporus dracunculus (L.) Poljakov of Weber and Wittmann 1996
Artemisia frigida Willd.
Artemisia ludoviciana Nutt.
Artemisia scopulorum A. Gray
Artemisia tridentata Nutt.
Seriphidium tridentatum (Nutt.) Weber of Weber and Wittmann 1996
Aster ascendens Lindl.
Virgulaster ascendens (Lindl. ex Hook.) Semple of Weber and Wittmann 1996
Aster engelmannii (D.C. Eaton) A. Gray
Eucephalus engelmannii (D. C. Eaton) Greene of Weber and Wittmann 1996
Aster foliaceus Lindl.
Aster glaucodes S. F. Blake
Eucephalus glaucus Nutt. of Weber and Wittmann 1996
+*Aster occidentalis* (Nutt.) Torr. & A. Gray
A. spathulatus Lindl. ex DC of Weber and Wittmann 1996
Aster oregonus (Nutt.) Torr. & A. Gray
Aster pauciflorus Nutt.
Almutaster pauciflorus (Nutt.) Löve & Löve of Weber and Wittmann 1996
Bahia dissecta (A. Gray) Britton
Balsamorhiza sagittata (Pursh) Nutt.
Brickellia grandiflora (Hook.) Nutt.
**Carduus nutans* L.
Chaenactis alpina (A. Gray) M.E. Jones
Chaenactis douglasii (Hook.) Hook. & Arn.
**Chrysanthemum leucanthemum* L.
Leucanthemum vulgare Lam. of Weber and Wittmann 1996
Chrysothamnus viscidiflorus (Hook.) Nutt.
**Cirsium arvense* (L.) Scop.
Breea arvense (L.) Less. of Weber and Wittmann 1996
Cirsium tioganum (Congd.) Petr. var. *coloradense* (Rydb.) Dorn
+*Cirsium eatonii* (A. Gray) B. L. Rob.
Cirsium parryi (A. Gray) Petrak
Cirsium scopulorum (Greene) Cockerell
C. hesperium (Eastw.) Petrak (distinct species from above Weber and Wittmann 2001)
Cirsium undulatum (Nutt.) Spreng.
Crepis acuminata Nutt.
Psilochenia acuminata (Nutt.) W. A. Weber of Weber and Wittmann 1996
Crepis intermedia A. Gray
Psilochenia intermedia (A. Gray) W. A. Weber of Weber and Wittmann 1996
Crepis nana Richardson
Askellia nana (Richardson) W. A. Weber of Weber and Wittmann 1996
Crepis runcinata (E. James) Torr. & A. Gray
Psilochenia runcinata (E. James) Löve & Löve of Weber and Wittmann 1996

- Ericameria discoidea* Nutt.
Macronema discoideum Nutt. of Weber and Wittmann 1996
Ericameria nauseosa Pall. and Pursh
Chrysothamnus nauseosa (Pall.) Britton of Weber and Wittmann 1996
Ericameria parryi A. Gray
Chrysothamnus parryi (A. Gray) Greene of Weber and Wittmann 1996
Erigeron acris L.
Trimorpha elongata (Ledeb.) Vier. of Weber and Wittmann 1996
Erigeron compositus Pursh
Erigeron coulteri Porter
Erigeron eatoni A. Gray
Erigeron elatior (A. Gray) Greene
Erigeron eximius Greene
Erigeron flagellaris A. Gray
Erigeron formosissimus Greene
Erigeron glabellus Nutt.
Erigeron leiomeris A. Gray
Erigeron lonchophyllus Hook.
Trimorpha lonchophylla (Hook.) Nesom of Weber and Wittmann 1996
Erigeron melanocephalus A. Nelson
Erigeron peregrinus (Pursh) Greene
Erigeron pinnatisectus (A. Gray) A. Nelson
Erigeron pumilus Nutt.
Erigeron simplex Greene
Erigeron speciosus (Lindl.) DC.
Erigeron subtrinervis Rydb.
Erigeron vagus Payson
Gnaphalium exilifolium A. Nelson
G. uliginosum L. of Weber and Wittmann 1996
Helianthella quinquenervis (Hooker) A. Gray
Heterotheca villosa (Pursh) Shinnars
+*Hieracium fendleri* Sch. Bip.
Chlorocrepis fendleri (Sch. Bip.) W. A. Weber of Weber and Wittmann 1996
Hieracium gracile Hook.
Chlorocrepis tristis (Willd.) Löve & Löve of Weber and Wittmann 1996
Hymenoxys hoopesii (A. Gray) Bierner
Dugaldia hoopesii (A. Gray) Rydb. of Weber and Wittmann 1996
+*Lactuca canadensis* L. var. *longifolia* (Michx.) Farw.
Machaeranthera bigelovii A. Gray
Machaeranthera canescens Pursh
+**Madia glomerata* Hook.
**Matricaria matricarioides* (Less.) Porter
Lepidotheca suaveolens Nutt. of Weber and Wittmann 1996
+**Matricaria perforata* Merat
Packera cana (Hook.) W. A. Weber & A. Löve
Packera crocata (Rydb.) W. A. Weber & A. Löve

- Packera dimorphophylla* (Greene) W. A. Weber & A. Löve
Packera porteri (Greene) C. Jeffrey
Ligularia porteri (Greene) W. A. Weber of Weber and Wittmann 1996
+*Packera pseud aurea* (Rydb.) W. A. Weber & A. Löve
Packera streptanthifolia (Greene) W. A. Weber & A. Löve
Packera werneriiifolia (A. Gray) W. A. Weber & A. Löve
Petasites sagittata (Pursh) A. Gray
Pseudognaphalium viscosum (Kunth) Weber
Pyrrocoma crocea (A. Gray) Greene
Rudbeckia occidentalis Nutt. of W. A. Weber and Wittmann 1996
Senecio amplexens A. Gray
Ligularia amplexens (A. Gray) W. A. Weber of Weber and Wittmann 1996
Senecio atratus Greene
Senecio bigelovii A. Gray
Ligularia bigelovii (A. Gray) W. A. Weber of Weber and Wittmann 1996
Senecio crassulus A. Gray
Senecio eremophilus Richardson
Senecio fremontii Torr. & A. Gray
Senecio integerrimus Nutt.
Senecio pudicus Greene
Ligularia pudica (Greene) W. A. Weber of Weber and Wittmann 1996
Senecio serra Hook.
Senecio soldanella A. Gray
Ligularia soldanella (A. Gray) W. A. Weber of Weber and Wittmann 1996
Senecio triangularis Hook.
Solidago canadensis L.
Solidago missouriensis Nutt.
Solidago multiradiata Aiton
Solidago parryi (A. Gray) Greene
Oreochrysum parryi (Gray) Rydb. of Weber and Wittmann 1996
+*Solidago simplex* Kunth
Taraxacum ceratophorum (Ledeb.) DC.
T. ovinum Rydb. of Weber and Wittmann 1996
Taraxacum eriophorum Rydb.
Taraxacum erythrospermum Andr. ex. Besser
Taraxacum lyratum (Ledeb.) DC.
T. scopulorum (Gray) Rydb. of Weber and Wittmann 1996
**Taraxacum officinale* Wigg.
Tetradymia canescens DC.
Tetraneuris grandiflora (Torr. & A. Gray) Parker
Rydbergia grandiflora (Torr. & A. Gray) Greene of Weber and Wittmann 1996
Thelesperma megapotamicum (Spreng.) Kuntze
+*Tonestus pygmaeus* (Torr. & A. Gray) A. Nelson
Townsendia leptotes (A. Gray) Osterh.
Townsendia rothrockii A. Gray
**Tragopogon dubius* Scop.

+**Tragopogon pratensis* L.

Verbesina encelioides (Cav.) Benth. & Hook.

Ximenesia encelioides Cav. of Weber and Wittmann 1996

Viguiera multiflora (Nutt.) S. F. Blake

Heliomeris multiflora Nutt. of Weber and Wittmann 1996

Wyethia amplexicaulis (Nutt.) Nutt.

Wyethia arizonica A. Gray

BERBERIDACEAE - Barberry Family

Mahonia repens (Lindl.) G. Don

BETULACEAE - Birch Family

Alnus incana (L.) Moench.

Betula glandulosa Michx.

BORAGINACEAE - Borage Family

Hackelia floribunda (Lehm.) I. M. Johnst.

Mertensia alpina (Torr.) G. Don

Mertensia bakeri Greene (Included in *M. lanceolata* (Pursh) A. DC. by Weber and Wittmann 1996)

Mertensia ciliata (E. James) G. Don

Mertensia fusiformis Greene

Mertensia lanceolata (Pursh) A. DC.

Mertensia viridis A. Nelson (Included in *M. lanceolata* (Pursh) A. DC. by Weber and Wittmann 1996)

Plagiobothrys scouleri (Hooker and Arn.) I. M. Johnst.

BRASSICACEAE (CRUCIFERAE) - Mustard Family

Arabis divaricarpa A. Nelson

Boechera divaricarpa (Nelson) Löve & Löve of Weber and Wittmann 1996

Arabis drummondii A. Gray

Boechera drummondii (A. Gray) Löve & Löve of Weber and Wittmann 1996

Arabis fendleri (S. Watson) Greene

Boechera fendleri (S. Watson) W. A. Weber of Weber and Wittmann 1996

Arabis glabra (L.) Bernh.

Turritis glabra L. of Weber and Wittmann 1996

Arabis hirsuta (L.) Scop.

Arabis lemmonii S. Watson

Boechera lemmonii (S. Watson) W. A. Weber of Weber and Wittmann 1996

Arabis lignifera A. Nelson

Boechera lignifera (A. Nelson) W. A. Weber of Weber and Wittmann 1996

Arabis selbyi Rydb.

Boechera selbyi (Rydb.) W. A. Weber of Weber and Wittmann 1996

**Barbarea orthoceras* Ledeb.

+**Barbarea vulgaris* R. Br.

**Camelina microcarpa* Andrzej ex DC

- **Capsella bursa-pastoris* (L.) Medik.
- Cardamine cordifolia* A. Gray
- Cardamine pensylvanica* Muhl. ex Willd.
- **Cardaria draba* (L.) Desv.
- **Chorispora tenella* (Pall.) DC
- +*Descurainia californica* (A. Gray) O. E. Schulz
- Descurainia incana* (Bernh. ex Fisch. & C. A. Mey.) Dorn
- Descurainia pinnata* (Walt.) Britton
- +*Draba albertina* Greene
- Draba aurea* M. Vahl
- Draba crassa* Rydb.
- Draba crassifolia* R. Graham (Includes *D. stenoloba* Harrington 1954)
- Draba fladnizensis* Wulf.
- Draba nemorosa* L.
- Draba lonchocarpa* Rydb.
- Draba oligosperma* Hook.
- Draba spectabilis* Greene
- Erysimum asperum* (Nutt.) DC. (Probably includes *E. capitatum* (Doug.) Greene of Weber and Wittmann 1996)
- **Erysimum cheiranthoides* L.
- **Erysimum inconspicuum* (S. Watson) MacMill.
- Lepidium densiflorum* Schrad.
- Lepidium montanum* Nutt.
- Lepidium ramosissimum* A. Nelson
- Nasturtium officinale* R. Br.
- Noccaea montana* (L.) Meyer
- Physaria acutifolia* Rydb.
- Physaria alpina* Rollins
- Physaria floribunda* Rydb.
- +*Rorippa curvipes* Greene
- +*Rorippa curvisiliqua* (Hook.) Bessey ex Britton
- Rorippa islandica* (Oeder ex. Murray) Borbás
- R. palustris* (L.) Besser of Weber and Wittmann 1996
- +*Rorippa teres* (Michx.) Stuckey
- Schoenocrambe linifolia* (Nutt.) Greene
- Smelowskia calycina* C.A. Meyer
- **Thlaspi arvense* L.

CALLITRICHACEAE - Water-Starwort Family

- Callitriche hermaphroditica* L.
- Callitriche palustris* L.
- C. verna* L. of Weber and Wittmann 1996

CALOCHORTACEAE (see Liliaceae) - Mariposa Family

CAMPANULACEAE - Bellflower Family

Campanula parryi A. Gray*Campanula rotundifolia* L.*Campanula uniflora* L.

CAPRIFOLIACEAE - Honeysuckle Family

Linnaea borealis L.*Lonicera involucrata* (Richardson) Banks*Distegia involucrata* (Banks) Cockerell of Weber and Wittmann 1996*Sambucus racemosa* L.*S. pubens* Michx. of Weber and Wittmann 1996*Symphoricarpos oreophilus* A. Gray*S. rotundifolius* A. Gray of Weber and Wittmann 1996

CARYOPHYLLACEAE - Pink Family (Including Alsinaeae of Weber and Wittmann 1996)

Arenaria congesta Nutt.*Eremongone congesta* (Nutt.) Ikonn. of Weber and Wittmann 1996 (Alsinaeae of Weber and Wittmann 1996)*Cerastium arvense* L.*Cerastium strictum* L. of Weber and Wittmann 1996 (Alsinaeae of Weber and Wittmann 1996)*Cerastium beeringianum* Cham. & Schlecht. (Alsinaeae of Weber and Wittmann 1996)*Minuartia obtusiloba* (Rydb.) House*Lidia obtusiloba* (Rydb.) Löve & Löve of Weber and Wittmann 1996 (Alsinaeae of Weber and Wittmann 1996)*Minuartia rubella* (Sw.) Hiern*Tryphane rubella* (Wahlenb.) Rchb. of Weber and Wittmann 1996 (Alsinaeae of Weber and Wittmann 1996)*Moehringia laterifolia* (L.) Fenzl. (Alsinaeae of Weber and Wittmann 1996)+*Moehringia macrophylla* (Hook.) Fenzl+*Pseudostellaria jamesiana* (Torr.) W. A. Weber & R. L. Hartm.*Sagina saginoides* (L.) Karst.. (Alsinaeae of Weber and Wittmann 1996)*Silene acaulis* L.*Silene drummondii* Hook.*Gastrolychnis drummondii* (Hook.) Löve & Löve of Weber and Wittmann 1996*Silene hitchguirei* Bocq.*Gastrolychnis apetala* (L.) Tolm. & Kozhanch. of Weber and Wittmann 1996*Silene kingii* (S. Watson) Bocq.*Gastrolychnis kingii* (S. Watson) W. A. Weber of Weber and Wittmann 1996+**Silene latifolia* Poir.*Melandrium dioicum* (L.) Cosson & Germain of Weber and Wittmann 1996*Silene menziesii* Hook.*Anotites menziesii* (Hook.) Greene of Weber and Wittmann 1996*Silene scouleri* Hook.**Silene vulgaris* (Moench) Garcke+*Stellaria calycantha* (Ledeb.) Bong.

Stellaria irrigua Bunge (Alsiniaceae of Weber and Wittmann 1996)
Stellaria longifolia Muhl. ex. Willd. (Alsiniaceae of Weber and Wittmann 1996)
Stellaria longipes Goldie (Alsiniaceae of Weber and Wittmann 1996)
Stellaria umbellata Turcz. (Alsiniaceae of Weber and Wittmann 1996)

CELASTRACEAE - Staff Tree Family

Pachystima myrsinites (Pursh) Raf. (Weber and Wittmann 1996 suggest the correct spelling is *Paxistima*)

CHENOPODIACEAE -Goosefoot Family

+**Chenopodium album* L.
 +*Chenopodium atrovirens* Rydb.
Chenopodium fremontii S. Watson
Chenopodium overi Aellen
C. foliosum (Moench) Asch. of Weber and Wittmann 1996
Monolepis nuttalliana (Schult.) Greene

CONVALLARIACEAE (see also Liliaceae) - Mayflower Family

CONVOLVULACEAE - Morning-Glory Family

**Convolvulus arvensis* L.

CORNACEAE - Dogwood Family

Cornus sericea L.
Swida sericea (L.) Holub of Weber and Wittmann 1996

CRASSULACEAE - Stonecrop Family

Sedum integrifolium (Raf.) A. Nelson
Rhodiola integrifolia Raf. of Weber and Wittmann 1996
Tolmachevia integrifolia (Raf.) Löve & Löve of Weber and Wittmann 2001
Sedum rhodanthum A. Gray
Clementsia rhodantha (A. Gray) Rose of Weber and Wittmann 1996
Sedum stenopetalum Pursh
Amerosedum lanceolatum (Torr.) Löve & Löve of Weber and Wittmann 1996

CYPERACEAE - Sedge Family

Carex albonigra Mack.
Carex aquatilis Wahlenb.
Carex arapahoensis Clokey
Carex atrata L.
C. chalciolepis Holm of Weber and Wittmann 1996
Carex atrosquama Mack.
Carex aurea Nutt.
Carex bella Bailey
 +*Carex brevior* (Dewey) Mack.

- Carex breweri* Boott
C. engelmannii Bailey of Weber and Wittmann 1996
Carex buxbaumii Wahlenb.
Carex canescens L.
Carex capillaris L.
Carex disperma Dewey
Carex ebenea Rydb.
Carex egglestonii Mack.
Carex elynoides Holm.
Carex foenea Willd.
Carex geyeri Boott
Carex gynocrates Wormsk.
C. dioica L. of Weber and Wittmann 1996
Carex haydeniana Olney
Carex hoodli Boott.
Carex illota Bailey
Carex interior Bailey
Carex laeviculmis Meinsh.
Carex lanuginosa Michx.
Carex microptera Mack.
C. festivella Mack. of Weber and Wittmann 1996
Carex nardina Fr.
Carex nelsonii Mack.
Carex nigricans Mey.
Carex norvegica Retz.
Carex nova Bailey
Carex paupercula Michx.
C. magellanica Lam. ssp. *irrigua* (Wahlenb.) Hultén of Weber and Wittmann 2001
Carex phaeocephala Piper
Carex pyrenaica Wahlenb.
C. crandallii Gandoger of Weber and Wittmann 1996
Carex raynoldsii Dewey
+*Carex retrorsa* Schwein.
Carex rossii Boott
Carex rupestris All.
+*Carex sartwellii* Dewey
Carex saxatilis L.
C. saxatilis L. ssp. *laxa* (Trautv.) Kalela of Weber and Wittmann 1996
Carex stenophylla Wahlenb.
Carex utriculata Boott
Carex vesicaria L.
Eleocharis palustris (L.) Roem and Schult.
Eriophorum polystichion L.
E. angustifolium Honck. of Weber and Wittmann 1996
Eriophorum scheuchzeri Hoppe
E. altaicum Meinsh. var. *neogaeum* Raymond of Weber and Wittmann 2001

Kobresia bellardi (All.) Degland
K. myosuroides (Vill.) of Weber and Wittmann 1996
Schoenoplectus tabernaemontani (K. C. Gmel.) Palla
S. lacustris (L.) Palla ssp. *validus* (Vahl.) Löve & Löve of Weber and Wittmann 1996

ELAEAGNACEAE - Oleaster Family
Shepherdia canadensis (L.) Nutt.

ELATINACEAE - Waterwort Family
Elatine rubella Rydb.
E. triandra Schkuhr. of Weber and Wittmann 1996

ERICACEAE - Heath Family (Including Pyrolaceae Weber and Wittmann 1996)
Arctostaphylos uva-ursi (L.) Spreng.
A. adenotricha (Fernald and Macbr.) Löve & Löve of Weber and Wittmann 1996
Gaultheria humifusa (Graham) Rydb.
+*Kalmia microphylla* (Hook.) A. Heller
Moneses uniflora (L.) A. Gray (Pyrolaceae of Weber and Wittmann 1996)
Orthilia secunda (L.) House (Pyrolaceae of Weber and Wittmann 1996)
Pyrola asarifolia Michx.
P. rotundifolia L. of Weber and Wittmann 1996 (Pyrolaceae of Weber and Wittmann 1996)
Pyrola chlorantha Swartz (Pyrolaceae of Weber and Wittmann 1996)
Pyrola minor L. (Pyrolaceae of Weber and Wittmann 1996)
Vaccinium cespitosum Michx.
Vaccinium myrtillus L.
Vaccinium scoparium Leiberg.

FABACEAE (LEGUMINOSAE) - Pea Family
Astragalus alpinus L.
Astragalus bodinii Sheld.
+**Astragalus cicer* L.
+*Astragalus eucosmus* B. L. Rob.
Astragalus molybdenus Barneby
Astragalus robbinsii (Oakes) Gray
Hedysarum occidentale Greene
+*Hedysarum boreale* Nutt.
Lathyrus lanszwertii Kellogg
L. leucanthus Rydb. of Weber and Wittmann 1996
Lupinus argenteus Pursh
L. caudatus Kellogg of Weber and Wittmann 1996
Lupinus lepidus Douglas ex Lindl.
L. caespitosus Nutt. of Weber and Wittmann 1996
Lupinus polyphyllus Lindl. var. *prunophilus* (M. E. Jones) L. Ll. Phillips
L. bakeri Greene ssp. *amplus* Greene) Fleak & D. B. Dunn of Weber and Wittmann 1996
+**Medicago lupulina* L.
+**Medicago sativa* L.

- **Melilotus albus* Medik.
- **Melilotus officinalis* (L.) Pall.
- Oxytropis deflexa* (Pall.) DC.
- +*Oxytropis lambertii* Pursh
- Oxytropis podocarpa* A. Gray
- Oxytropis viscida* Nutt. ex. Torr. & A. Gray
- Trifolium dasyphyllum* Torr. & A. Gray
- **Trifolium hybridum* L.
- Trifolium longipes* Nutt.
- T. rusbyi* Greene of Weber and Wittmann 1996
- Trifolium parryi* A. Gray
- **Trifolium pratense* L.
- **Trifolium repens* L.
- Vicia americana* Muhl. ex. Willd.

FUMARIACEAE - Fumitory Family

- +*Corydalis aurea* Willd.
- Corydalis caseana* A. Gray

GENTIANACEAE - Gentian Family

- Frasera speciosa* Douglas
- +*Gentiana affinis* Griseb.
- Pneumonanthe affinis* (Griseb.) Greene of Weber and Wittmann 1996
- Gentiana algida* Ledeb.
- Gentianodes algida* (Pall.) Löve & Löve of Weber and Wittmann 1996
- +*Gentiana aquatica* L.
- Chondrophylla aquatica* (L.) W. A. Weber of Weber and Wittmann 1996
- Gentiana parryi* Engelm.
- Pneumonanthe parryi* (Engelm.) Greene of Weber and Wittmann 1996
- Gentianella amarella* (L.) Börner var. *acuta* (Michx.) Herder
- G. acuta* (Michx.) Hiltonen of Weber and Wittmann 1996
- Gentianella amarella* (L.) Börner var. *heterosepala* (Engelm.) Dorn
- G. heterosepala* (Engelm.) Holub of Weber and Wittmann 1996
- Gentianopsis barbellata* (Engelm.) Iltis
- Gentianopsis detonsa* Rottb. Ma var. *elegans* (A. Nelson) N. H. Holmgren
- G. thermalis* (Kuntze) Iltis of Weber and Wittmann 1996
- Swertia perennis* L.

GERANIACEAE - Geranium Family

- Geranium richardsonii* Fisch. and Trautv.
- Geranium viscosissimum* Fisch. and C. A. Mey.

GROSSULARIACEAE - Currant or Gooseberry Family

- Ribes cereum* Douglas
- Ribes coloradense* Coville.
- Ribes inerme* Rydb.

Ribes lacustre (Pers.) Poir.
Ribes montigenum McClat.
Ribes wolfii Rothrock

HELLEBORACEAE (see also Ranunculaceae) - Hellebore Family

HIPPURIDACEAE - Mare's Tail Family
Hippuris vulgaris L.

HYDROPHYLLACEAE - Waterleaf Family
Hydrophyllum capitatum Douglas ex. Benth.
Hydrophyllum fendleri (A. Gray) Heller
Nemophila breviflora A. Gray
 +*Phacelia hastata* Douglas ex Lehm.
Phacelia heterophylla Pursh
Phacelia sericea (Graham) A. Gray

HYPERIACEAE - St. Johnswort Family
 +*Hypericum formosum* Kunth

IRIDACEAE - Iris Family
Iris missouriensis Nutt.
 +*Sisyrinchium idahoense* E. P. Bicknell
Sisyrinchium montanum Greene

JUNCACEAE - Rush Family
 +*Juncus arcticus* Willd.
Juncus confusus Coville
Juncus drummondii E. Mey.
Juncus ensifolius Wikstr.
J. saximontanus A. Nelson (distinct species from above Weber and Wittmann 1996)
J. tracyi Rydb. (distinct species Weber and Wittmann 1996 (A 15 February 1974 letter from F. J. Hermann to J. Barrell reports *J. tracyi* as occurring in the Gunnison Basin. The addition is based upon H. G. Barclay's 1933 collections, 33-1 & 33-140.)
 +*Juncus longistylis* Torr.
Juncus mertensianus Bong.
Juncus parryi Engelm.
Luzula comosa E. May
Luzula parviflora (Ehrh.) Desv.
Luzula spicata (L.) DC.

JUNCAGINACEAE - Arrow-Grass Family
Triglochin palustre L.
T. palustris L. of Weber and Wittmann 1996

LAMIACEAE (LABIATAE) - Mint Family

Agastache urticifolia (Benth.) Kuntze
Dracocephalum parviflorum Nutt.
 +*Mentha arvensis* L.
Monardella odoratissima Benth.
Prunella vulgaris L.

LENTIBULARIACEAE - Bladderwort Family

Utricularia minor L.

LILIACEAE - Lily Family (Including Alliaceae, Calochortaceae, Convallariaceae, Melanthiaceae and Uvulariaceae of Weber and Wittmann 1996)

Allium brandegeei S. Watson
A. brandegei S. Watson of Weber and Wittmann 1996 (Alliaceae of Weber and Wittmann 1996)
Allium cernuum Roth. (Alliaceae of Weber and Wittmann 1996)
Allium geyeri S. Watson var. *tenerum* M.E.Jones
A. rubrum Osterh. of Weber and Wittmann 1996 (Alliaceae of Weber and Wittmann 1996)
Calochortus gunnisonii S. Watson (Calochortaceae of Weber and Wittmann 1996)
Erythronium grandiflorum Pursh
Lloydia serotina (L.) Sweet
Maianthemum racemosum (L.) Link
Maianthemum amplexicaule (Nutt.) W. A. Weber of Weber and Wittmann 1996 (Convallariaceae of Weber and Wittmann 1996)
Maianthemum stellata (L.) Desf. (Convallariaceae of Weber and Wittmann 1996)
Streptopus amplexifolius (L.) DC. & Lam.
Streptopus fassettii Löve and Löve (Uvulariaceae of Weber and Wittmann 1996)
Veratrum californicum Durant
V. tenuipetalum Heller of Weber and Wittmann 1996 (Melanthiaceae of Weber and Wittmann 1996)
Zygadenus elegans Pursh
Anticlea elegans (Pursh) Rydb. of Weber and Wittmann 1996 (Melanthiaceae of Weber and Wittmann 1996)

LIMNANTHACEAE - Meadow-Foam Family

Floerkea proserpinacoides Willd.

LINACEAE - Flax Family

Linum lewisii Pursh
Adenolinum lewisii (Pursh) Löve and Löve of Weber and Wittmann 1996

MALVACEAE - Mallow Family

**Malva neglecta* Wallr.
Sidalcea candida A. Gray
Sidalcea neomexicana A. Gray

MELANTHIACEAE (see Liliaceae) - False Hellebore Family

MENYANTHACEAE - Buckbean Family

Menyanthes trifoliata L.

ONAGRACEAE - Evening-Primrose Family

Chamerion angustifolium L.

C. danielsii D. Löve of Weber and Wittmann 1996

Chamerion latifolium L. Holub

C. subdentatum (Rydb.) Löve & Löve of Weber and Wittmann 1996

Epilobium anagallidifolium Lam.

Epilobium brachycarpum C. Presl.

Epilobium ciliatum (Lehm.) Dorn

Epilobium clavatum Trel.

+*Epilobium halleianum* Haussk.

Epilobium hornemanni Rchb.

Epilobium lactiflorum Haussk.

Epilobium saximontanum Haussk.

Gayophytum diffusum Torr. & A. Gray

Gayophytum ramosissimum Torr. & A. Gray

Oenothera flava (A. Nelson) Garrett

Oenothera elata Kunth.

Oenothera villosa Thunb.

ORCHIDACEAE - Orchid Family

Calypso bulbosa (L.) Oakes

+*Coeloglossum viride* (L.) Hartm.

Corallorhiza trifida (L.) Châtel.

Goodyeara oblongifolia Raf.

Listera borealis Morong

Listera cordata (L.) R. Br.

Platanthera aquilonis Sheviak

Limnorchis hyperborea (L.) Rydb. of Weber and Wittmann 1996

+*Platanthera dilatata* (Pursh) Lindl. ex L. C. Beck var *albiflora* (Cham.) Ledeb.

Limnorchis dilatata (Pursh) Rydb. ssp. *albiflora* (Cham.) A. Löve & Simon of Weber and Wittmann 1996

Platanthera obtusata (Banks ex. Pursh) Richards

Lysiella obtusata (Banks ex. Pursh) Britton Rydb. of Weber and Wittmann 1996

+*Platanthera purpurascens* (Rydb.) Sheviak and W.F. Jenn.

Limnorchis stricta (Lindl.) Rydb. of Weber and Wittmann 1996

Spiranthes romanzoffiana Cham. & Schl.

OROBANCHACEAE - Broom-Rape Family

Orobanche fasciculata Nutt.

Aphyllon fasciculata (Nutt.) Torr. & A. Gray of Weber and Wittmann 1996

Orobanche uniflora L.

Aphyllon uniflorum (L.) Torr. & A. Gray of Weber and Wittmann 1996

PAPAVERACEAE - Poppy Family

**Papavera nudicaule* L.

Papaver croceum Ledeb., cultivar of above

PARNASSIACEAE - Grass-of-Parnassus Family

Parnassia fimbriata König

PLANTAGINACEAE - Plantain Family

**Plantago lanceolata* L.

**Plantago major* L.

Plantago tweedyi A. Gray

POACEAE (GRAMINEAE) - Grass Family

Agrostis exarata Trin.

+**Agrostis gigantea* Roth

Agrostis scabra Willd.

+**Agrostis stolonifera* L.

Alopecurus aequalis Sobol.

+**Alopecurus pratensis* L.

**Arrhenatherum elatius* (L.) Presl.

Beckmannia syzigachne (Steud.) Fernald

Blepharoneuron tricholepis (Torr.) Nash

Bromus anomalus Rupr. ex. Fourn.

Bromopsis porteri (J. M. Coult.) Holub of Weber and Wittmann 1996

+*Bromus carinatus* Hook. & Arn.

Ceratochloa carinata (Hook. & Arn.) Tutin of Weber and Wittmann 1996

Bromus ciliatus L.

Bromopsis canadensis (Michx.) Holub of Weber and Wittmann 1996

**Bromus inermis* Leyss.

Bromopsis inermis (Leyss.) Holub of Weber and Wittmann 1996

**Bromus tectorum* L.

Anisantha tectorum (L.) Nevski of Weber and Wittmann 1996

Calamagrostis canadensis (Michx.) Beauv.

Calamagrostis inexpansa A. Gray

C. stricta (Timm) Koeler of Weber and Wittmann 1996

Calamagrostis purpurascens R. Br.

Calamagrostis scopulorum M. E. Jones

Catabrosa aquatica (L.) Beauv.

Cinna latifolia (Trev.) Griseb.

**Dactylis glomerata* L.

Danthonia intermedia Vasey

Deschampsia atropurpurea (Wahlenb.) Scheele

Vahlodea atropurpurea (Wahlenb.) Fr. of Weber and Wittmann 1996

Deschampsia cespitosa (L.) Beauv.

- Elymus elymoides* (Raf.) Swezey
Elymus glaucus Buckley
 +**Elymus hispidus* (Opiz) Melderis
 Thinopyrum intermedium (Host) Barkworth and D. R. Dewey of Weber and Wittmann 1966
Elymus saundersii Vasey
Elymus scribneri (Vasey) Jones
Elymus trachycaulus (Link) Gould
 **Festuca arundinaceae* Schreb.
 Festuca idahoensis Elmer
 Festuca brachyphylla Schult.
 Festuca rubra L.
 Festuca thurberi Vasey
 +*Glyceria elata* (Nash ex Rydb.) M. E. Jones
 +*Glyceria striata* (Lam.) Hitchc.
 Hierochloë odorata (L.) Beauv.
 +*Hierochloë hirta* (Schrank) Borbás
 Hordeum brachyantherum Nevski
 Critesion brachyantherum (Nevski) Barkworth & D. R. Dewey of Weber and Wittmann
 1996
 Koeleria macrantha (Ledeb.) Schult.
 Melica spectabilis Scribn.
 Bromelica spectabilis (Scribn.) W. A. Weber of Weber and Wittmann 1996
 +*Muhlenbergia filiformis* (Thurb. ex S. Watson) Rydb.
 Muhlenbergia montana (Nutt.) Hitchc.
 Phalaris arundinacea L.
 Phalaroides arundinacea (L.) Rauschert of Weber and Wittmann 1996
 Phleum alpinum L.
 P. commutatum Gaudin of Weber and Wittmann 1996
 Phleum pratense L.
 Poa alpina L.
 Poa annua L.
 Poa arctica R. Br.
 +*Poa bulbosa* L.
 Poa cusickii Vasey
 Poa fendleriana (Steud.) Vasey
 Poa glauca Vahl.
 Poa interior Rydb.
 P. nemoralis L. of Weber and Wittmann 1996
 +*Poa leptocoma* Trin.
 Poa nervosa (Hook.) Vasey
 Poa occidentalis Vasey
 Poa palustris L.
 Poa pattersoni Vasey
 P. abbreviata R. Br. of ssp. *pattersonii* (Vasey) A. Löve, D. Löve, & B. M. Kapoor of
 Weber and Wittmann 1996
 **Poa pratensis* L.

- Poa reflexa* Vasey & Scribn.
 +*Poa tracyi* Vasey
Stipa nelsonii Scribn.
Achnatherum nelsonii Scribner of Weber and Wittmann 1996
Stipa lettermanii Vasey
Achnatherum lettermanii (Vasey) Barkworth of Weber and Wittmann 1966
Torreychloa pallida (Torr.) G. L. Church
T. pauciflora (Presl.) G. L. Church of Weber and Wittmann 1996
Trisetum montanum Vasey
Trisetum spicatum (L.) Richt.
Trisetum wolfii Vasey

POLEMONIACEAE - Phlox Family

- Collomia linearis* Nutt.
Ipomopsis aggregata (Pursh) V. E. Grant
Phlox condensata (A. Gray) A. Nelson
 +*Polemonium confertum* A. Gray
Polemonium foliosissimum A. Gray
Polemonium occidentale Greene
P. caeruleum L. of Weber and Wittmann 1996
Polemonium pulcherrimum Hook.
Polemonium viscosum Nutt.

POLYGONACEAE - Buckwheat Family

- Eriogonum coloradense* Small
Eriogonum tristichum Small
Eriogonum umbellatum Torr. var. *majus* Hook.
E. subalpinum Greene (distinct species from above Weber and Wittmann 1996)
Oxyria digyna (L.) Hill
 **Polygonum aviculare* L.
P. arenastrum Boreau of Weber and Wittmann 1996
Polygonum bistortoides Pursh
Bistorta bistortoides (Pursh) Small of Weber and Wittmann 1996
Polygonum douglasii Greene
Polygonum kelloggii Greene
P. polygaloides Meisner of Weber and Wittmann 1996
Polygonum viviparum L.
Bistorta vivipara (L.) S. Gray of Weber and Wittmann 1996
Rumex acetosella L.
Acetosella vulgaris (Koch) Fourr. of Weber and Wittmann 1996
Rumex aquaticus L.
 **Rumex crispus* L.
Rumex densiflorus Osterh.
Rumex salicifolius Weinm.
R. triangulivalvis (Danser) Rechinger f. of Weber and Wittmann 1996

PORTULACACEAE - Purslane Family

Claytonia lanceolata Pursh*Claytonia megarhiza* (Gray) Parry*Lewisia pygmaea* (A. Gray) B. L. Rob.*Oreobroma pygmaea* (Gray) Howell of Weber and Wittmann 1996*Lewisia triphylla* (S. Watson) B. L. Rob.*Erocallis triphylla* (S. Watson) Rydb. of Weber and Wittmann 1996*Montia chamissoi* (Ledeb.) Durand & Jackson*Crucocallis chamissoi* (Ledeb.) Rydb. of Weber and Wittmann 1996

POTAMOGETONACEAE - Pondweed Family

Potamogeton pusillus L.

PRIMULACEAE - Primrose Family

Androsace occidentalis Pursh*Androsace septentrionalis* L.*Dodecatheon pulchellum* (Raf.) Merr.*Primula parryi* A. Gray

PYROLACEAE (see Ericaceae) - Wintergreen Family

RANUNCULACEAE - Buttercup Family (Including Helleboraceae and Thalictraceae of Weber and Wittmann 1996)

Aconitum columbianum Nutt. (Helleboraceae of Weber and Wittmann 1996)*Actaea rubra* (Ait.) Willd. (Helleboraceae of Weber and Wittmann 1996)*Anemone multifida* Poir.*Anemone narcissiflora* L.*Anemonastrum narcissiflorum* (L.) Holub of Weber and Wittmann 1996*Anemone parviflora* Michx.*Anemone patens* L.*Pulsatilla patens* (L.) Mill. of Weber and Wittmann 1996*Aquilegia coerulea* E. James (Helleboraceae of Weber and Wittmann 1996)*Aquilegia elegantula* Greene (Helleboraceae of Weber and Wittmann 1996)*Caltha leptosepala* DC.*Psychophila leptosepala* (DC.) W. A. Weber of Weber and Wittmann 1996 (Helleboraceae of Weber and Wittmann 1996)*Delphinium barbeyi* Huth. (Helleboraceae of Weber and Wittmann 1996)*Delphinium nuttallianum* Pritz. (Helleboraceae of Weber and Wittmann 1996)*Myosurus minimus* L.*Ranunculus alismaefolius* Geyer+*Ranunculus cymbalaria* Pursh*Halerpestes cymbalaria* (Pursh) Greene of Weber and Wittmann 1996*Ranunculus eschscholtzii* Schldl.*Ranunculus flammula* L.*R. reptans* L. of Weber and Wittmann 1996*Ranunculus inamoenus* Greene

- Ranunculus macauleyi* A. Gray
Ranunculus macounii Britton
Ranunculus pedatifidus J.E. Sm.
Ranunculus uncinatus D. Don
 +*Thalictrum alpinum* L. (Thalictraceae of Weber and Wittmann 1996)
Thalictrum fendleri Engelm. (Thalictraceae of Weber and Wittmann 1996)
Trollius albiflorus (A. Gray) Rydb. (Helleboraceae of Weber and Wittmann 1996)

ROSACEAE - Rose Family

- Amelanchier alnifolia* Nutt.
Dryas octopetala L.
Fragaria vesca L. of Weber and Wittmann 1996
Fragaria virginiana Mill.
Geum macrophyllum Willd.
Geum rivale L.
Geum triflorum Pursh
Erythrocoma triflora (Pursh) Greene of Weber and Wittmann 1996
Geum rossii (R.Br.) Ser.
Acomastylis rossii (R. Br.) Greene of Weber and Wittmann 1996
Ivesia gordonii (Hook.) Torr. & A. Gray
Holodiscus dumosus (Nutt.) Heller
H. discolor (Pursh) Maxim. of Weber and Wittmann 1996
Petrophyton caespitosum (Nutt.) Rydb.
Potentilla anserina L.
Argentina anserina (L.) Rydb. of Weber and Wittmann 1996
Potentilla arguta Pursh
Drymocallus arguta (Pursh) Rydb. of Weber and Wittmann 1996
Potentilla concinna Richardson
Potentilla diversifolia Lehmann
Potentilla fruticosa L.
Pentaphylloides floribunda (Pursh) A. Löve of Weber and Wittmann 1996
Potentilla gracilis Douglas
P. pulcherrima Lehm. of Weber and Wittmann 1996
 +*Potentilla hippiana* Lehm.
Potentilla nivea L.
Potentilla rubricaulis Lehm.
Rosa woodsii Lindl.
Rubus idaeus L.
Rubus parviflorus Nutt.
Rubacer parviflorum (Nutt.) Rydb. of Weber and Wittmann 1996
Sibbaldia procumbens L.
Sorbus scopulina Greene
Spiraea douglasii Hook.

RUBIACEAE - Madder Family

- Galium bifolium* S. Watson

Galium boreale L.

G. septentrionale Roem. & Schult. of Weber and Wittmann 1996

Galium trifidum L.

Galium triflorum Michx.

+**Galium verum* L.

SALICACEAE - Willow Family

Populus balsamifera L.

Populus tremuloides Michx.

Salix arctica Pall.

S. petrophila Rydb. of Weber and Wittmann 2001

+*Salix bebbiana* Sarg.

Salix boothii Dorn.

Salix brachycarpa Nutt.

Salix drummondiana Barr.

+*Salix eriocephala* Michx.

S. lutea Nutt. of Weber and Wittmann 1996

Salix exigua Nutt.

Salix glauca L.

+*Salix lasiandra* Benth.

S. lucida Muhl. of Weber and Wittmann 1996

Salix monticola Bebb

S. pseudomonticola Ball (distinct species from above Weber and Wittmann 1996)

Salix planifolia Pursh

Salix reticulata L.

Salix wolfii Bebb

SAXIFRAGACEAE - Saxifrage Family

Heuchera parvifolia Nutt.

Lithophragma glabrum Nutt.

Mitella pentandra Hook.

Mitella stauropetala Piper

Saxifraga adscendens L.

Muscaria adscendens (L.) Small of Weber and Wittmann 1996

Saxifraga bronchialis L.

Ciliaria austromontana (Wiegand) W. A. Weber of Weber and Wittmann 1996

Saxifraga cernua L.

Saxifraga cespitosa L.

Muscaria delicatula Small of Weber and Wittmann 1996

Muscaria micropetala Small (distinct species from above Weber and Wittmann 1996)

Muscaria monticola (Small) Fedde (distinct species from above Weber and Wittmann 1966)

Saxifraga flagellaris Willd.

Hirculus platysepalus (Trautv.) W. A. Weber ssp. *crandallii* (Gand) W. A. Weber of Weber and Wittmann 1996

Saxifraga odontoloma Piper

Micranthes odontoloma (Piper) Heller of Weber and Wittmann 1996

Saxifraga rivularis L.

S. hyperborea R. Br. (distinct species from above Weber and Wittmann 1996)

Saxifraga oregana Howell

Mircanthes oregana (Howell) Small of Weber and Wittmann 1996

Saxifraga rhomboidea Greene

Mircanthes rhomboidea (Greene) Small of Weber and Wittmann 1996

Sullivanta hapemanii (J. M. Coult. & Fish.) J. M. Coult.

SCROPHULARIACEAE - Figwort Family

Besseya alpina (Gray) Rydb.

Castilleja linariifolia Benth.

Castilleja miniata Douglas

Castilleja occidentalis Torr.

Castilleja rhexifolia Rydb.

Castilleja sulphurea Rydb.

Chionophila jamesii Benth.

+*Collinsia parviflora* Lindl.

Limosella aquatica L.

**Linaria vulgaris* Mill.

Mimulus guttatus DC.

Orthocarpus luteus Nutt.

Pedicularis crenulata Benth.

Pedicularis groenlandica Retz.

Pedicularis parryi A. Gray

Pedicularis bracteosa Benth.

Pedicularis procera A. Gray

Pedicularis racemosa Douglas ex. Hook.

Pedicularis sudtica Willd.

P. scopulorum A. Gray of Weber and Wittmann 1996

Penstemon crandallii A. Nelson

P. cespitosus (Included in above Weber and Wittmann 1996)

Penstemon harbourii A. Gray

Penstemon rydbergii A. Nelson

Penstemon strictus Benth.

Penstemon whippleanus A. Gray

Veronica americana Schwein. ex. Benth.

Veronica peregrina L.

Veronica serpyllifolia L.

Veronicastrum serpyllifolium (L.) Fourr. of Weber and Wittmann 1996

Veronica wormskjoldii Roem. & Schult.

V. nutans Bongard of Weber and Wittmann 1996

SPARGANIACEAE - Bur-Reed Family

Sparganium emersum Rehmman

THALICTRACEAE (see Ranunculaceae) - Meadow Rue Family

URTICACEAE - Nettle Family

Urtica dioica L.

U. gracilis Ait of Weber and Wittmann 1996

UVULARIACEAE (see Liliaceae) – Bellwort Family

VALERIANACEAE - Valerian Family

Valeriana acutiloba Rydb.

V. capitata Pall ex Link ssp *acutiloba* (Rydb.) F. G. Mey. of Weber and Wittmann 1996

Valeriana edulis Nutt. ex. Torr. & A. Gray

Valeriana occidentalis A. Heller

VIOLACEAE - Violet Family

Viola adunca J. E. Sm.

Viola canadensis L.

V. scopulorum (A. Gray) Greene of Weber and Wittmann 1996

+*Viola labradorica* Schrank

+*Viola macloskeyi* Lloyd

Viola nephrophylla Greene

V. sororia Willd. of Weber and Wittmann 1996

Viola nuttallii Pursh

Viola palustris L.

+*Viola praemorsa* Douglas ex Lindl.

+ denotes a taxon added since the 1993 edition. The authors strongly believe that these additional taxa represent species overlooked earlier, not range extensions since 1993.

* denotes a non-native taxon from outside North America

APPENDIX 1

Species names that appeared in Buck and Frase (1993) that do not appear in the revised checklist. The older nomenclature is according to Harrington (1964); we have listed here the modern synonymies according to Hartman and Nelson (2001).

Apiaceae

Osmorhiza obtusa (J. M. Coult & Rose) Fernald = *Osmorhiza depauperata* Phil.

Asteraceae

Cirsium drummondii Torr. & A. Gray = *Cirsium colorodense* (Rydb.) Cockerell = *C. tioganum* (Congd.) Petr. var. *coloradense* (Rydb.) Dorn (this taxonomy is uncertain and complex)
Haplopappus macronema A. Gray = *Ericameria discoidea* (Nutt.) G. L. Nelson var. *discoidea*
Helenium hoopesii A. Gray = *Hymenoxys hoopesii* (A. Gray) Bierner
Solidago decumbens Greene = *Solidago simplex* Kunth var. *nana* (A. Gray) G. S. Ringius

Brassicaceae

Descurainia richardsonii (Sweet) O. E. Schulz = *Descurainia incana* Bernh. ex Fisch. & C. A. Mey.
Rorippa obtusa (Nutt.) Britton = *Rorippa teres* (Michx.) Stuckey

Cyperaceae

Carex media R. Br. = *Carex norvegica* Retz. var. *stevenii* (Holm) Dorn

Onagraceae

Gayophytum nuttalli Torr. & A. Gray = *Gayophytum diffusum* Torr. & A. Gray var. *strictipes* (Hook.) Dorn

Poaceae

Agropyron saundersii (Vasey) Hitchc. = *Elymus saundersii* Vasey
Agropyron scribneri Vasey = *Elymus scribneri* (Vasey) M.E. Jones
Agropyron trachycaulum (Link) Malte = *Elymus trachycaulus* (Link) Gould ex Shinnars var. *trachycaulus*
Festuca elatior L. var. *arundinacea* (Shreb) Celak. = *Festuca arundinacea* Schreb.

Rosaceae

Potentilla quinquefolia Rydb. = *Potentilla concinna* Richardson var. *concinna*