

PLANTS

VASCULAR PLANTS OF THE PETURRRSON RAVINE AREA ALONG THE SOUTH SASKATCHEWAN RIVER, IN SASKATOON, SK

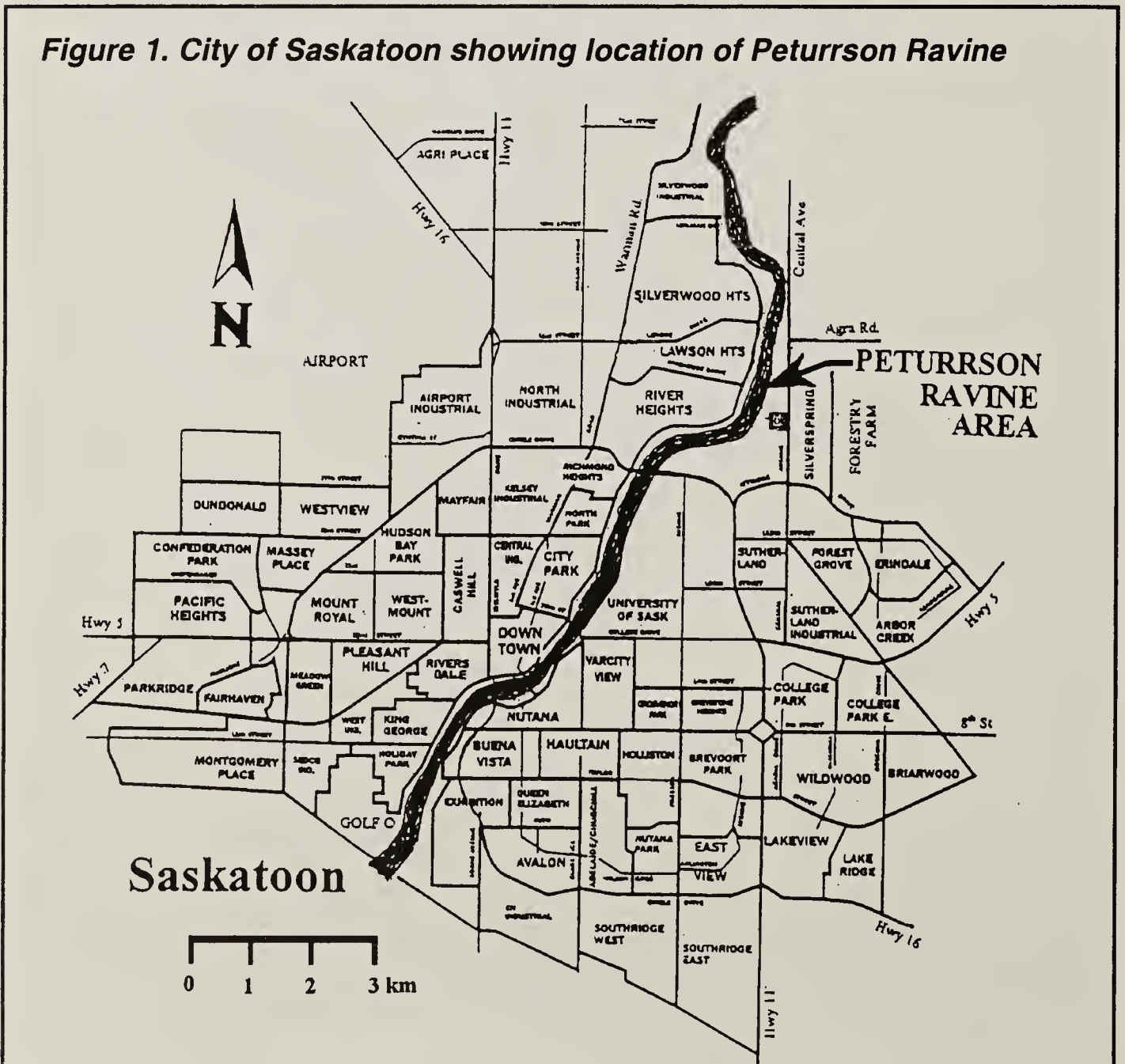
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Introduction

The Peturrson Ravine area in Saskatoon is a natural landscape feature frequently visited by local naturalists, and one that has been

identified by the Meewasin Valley Authority (MVA) as an area of ecological significance. Found there is a diversity of habitat-associations including spring-fed ravines that are often calcareous to

Figure 1. City of Saskatoon showing location of Peturrson Ravine



saline, wooded and open ravine and river-bluff slopes, river shores, flood plains, and upland grasslands.

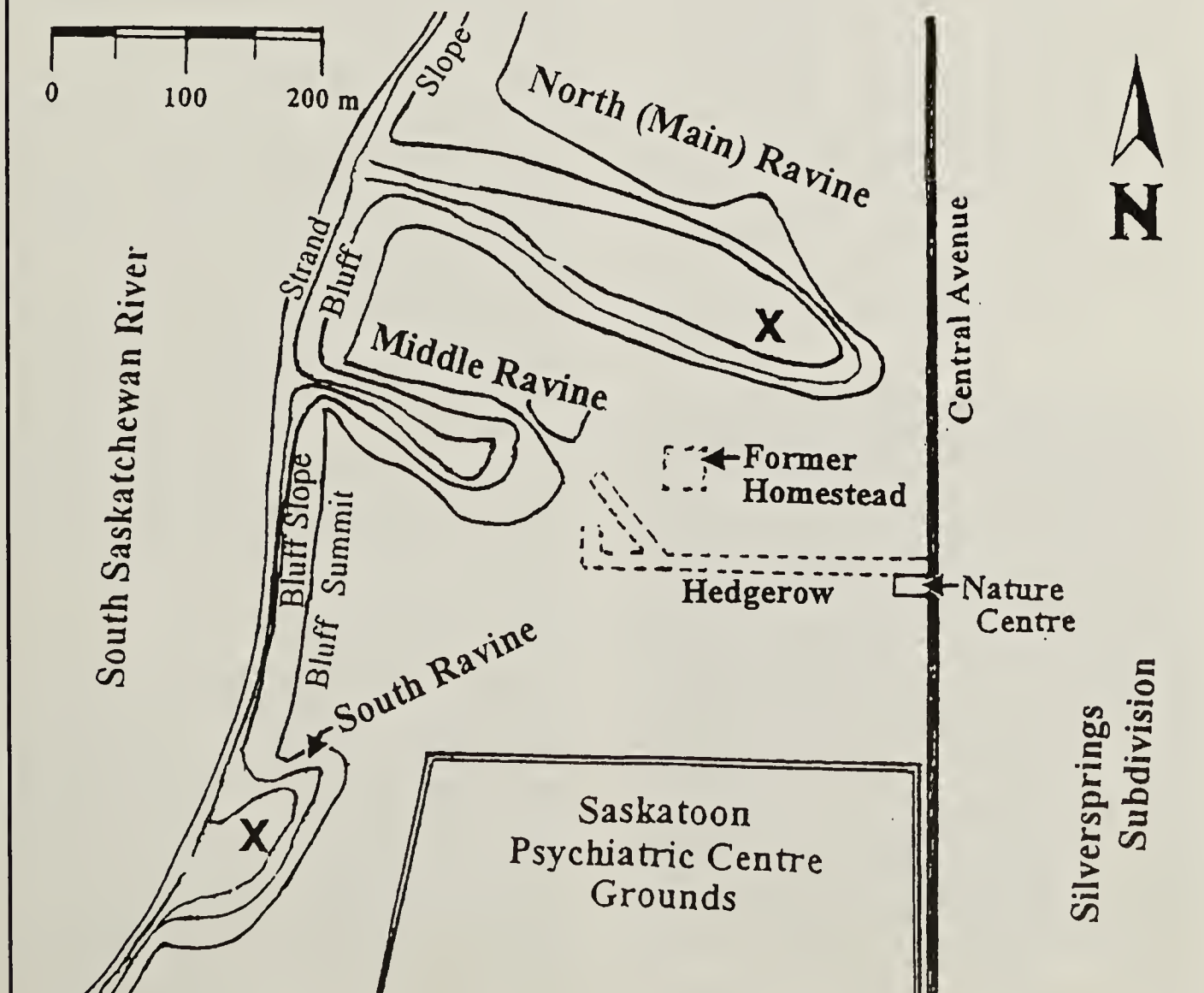
This area is located in northeast Saskatoon, on the east bank of the South Saskatchewan River, north of Sutherland, west of the present Silversprings Subdivision, and just west-northwest of the Regional Psychiatric Centre (see maps, Figures 1 and 2). It is included within the following survey coordinates: LSD 7, 9 & 10 of Sec 11, Twp 37, Rge 5, W 3rd M.

The Peturrson Ravine area is here being taken in a broad sense to include three adjacent tributary ravines respectively referred to as the "Peturrson North Ravine" (= the main

Peturrson Ravine); the "Peturrson Middle Ravine" (= the smaller ravine just south); and the "Peturrson South Ravine" (= the southernmost ravine, just west of the Regional Psychiatric Centre grounds, that was called the "Psychiatric Centre Ravine" by Lineman⁷). The north ravine extends eastward from the river to Central Avenue; its original head was cut off long ago by the construction of this road. For several years, the Saskatoon Nature Society Interpretive Centre has been located on the west side of Central Avenue just south of the ravine head, increasing public access to the area.

All three ravines are primarily spring-fed with groundwater-seepages along their drainages forming a complex of

Figure 2. Peturrson Ravine area (enlarged). X - most calcareous marsh sites ("marl bogs")



fen-like to more typical marshes. The calcareous to saline nature of some of these "seeps" is unique in the Saskatoon region, resulting in unusual botanical assemblages with the occurrence of such plants as the three provincial rarities: Red Bulrush (*Blysmus rufus*), Dwarf Bulrush (*Trichophorum pumilum* ssp. *rollandii*) and Marsh Felwort (*Lomatogonium rotatum*).⁴ Together with the Riddell seepage ravine located just off Central Avenue about 1.5 km (about 1 mile) farther north, these constitute the Sutherland "bogs" referred to by the late W. P. Fraser ², John Hudson ⁵ and others. Beaver-dams along the spring-fed ravine drainages have ponded some parts in both the north and middle ravines to create additional aquatic and marsh habitats.

While the wetland seeps and marshes constitute natural features of primary interest for the Peturrson ravine area, other relatively pristine natural plant associations also occur, especially on the floodplains, slopes, and summit-brow of the middle to south ravine, as well as on some wooded and brushy slopes of the north ravine. The ravine slopes are in part wooded by trees or taller shrubs (largely willows, Trembling Aspen, Balsam Poplar, Manitoba Maple, Green Ash, Choke-cherry, Saskatoon-berry and European Buckthorn), in part short-shrubby (mainly Buckbrush, Silverberry, Wood's Wild Rose, and shorter growth of Chokecherry, Fireberry Hawthorn, Saskatoon-berry, European Buckthorn or Red-osier Dogwood), and partially open (i.e. unwooded, and dominated by forbs and grasses). Remnants of relatively pristine upland mixed-grassland exist along the bluff-summit between the middle and south ravines and just south of the southernmost one. Semi-natural upland mixed-grasslands are found south of the Nature Centre and hedgerow to the Regional Psychiatric Centre grounds.

Unfortunately, various quite disturbed stretches of landscape also exist in the overall area, particularly on the river flood plains and open slopes of the north ravine, and most of the bluff-summit uplands except for the sites listed above. An abundance of such exotic species as Smooth Brome, Kentucky Bluegrass, Crested Wheatgrass, Alfalfa, Yellow and White sweet-clover, and Perennial Sow-thistle often characterize open disturbed places, and Perennial Sow-thistle and Canada Thistle are increasingly invading some marshes. The invasive exotic European Buckthorn has become common in some woods and shrublands.

The presence of disturbed sites and exotic plant species is not surprising considering that numerous human tracks and trails traverse the area, that a former homestead existed east of the middle ravine, that cattle-grazing has occurred, that gravel-excavation occurred along the north edge of the north ravine, and that the north ravine and the adjacent area across Central Avenue were used as dumping-grounds (land-fill). A major improvement resulted from a clean-up and restoration of the Peturrson Ravine area undertaken in 1991-92 with the combined efforts of the Meewasin Valley Authority, Saskatoon Nature Society, P.R. Developments Ltd., and other volunteers. A high mesh-fence was installed then to prevent further dumping. Nevertheless, scattered bits of debris may still be encountered.

Acknowledgements

Acknowledgement is given to the numerous individuals who have contributed to this plant list through the years, from the late W. P. Fraser (in the 1920s and 1930s) until the present, with special thanks accorded to John H. Hudson, Maurice J. Lineman and Luc Delanoy for their major floristic contributions.^{1,2,3,5,7} Dr. Fraser appears

to have done the original botanizing in the area, although unfortunately he failed to pinpoint his collections beyond labeling them as being from the "Sutherland bogs". Thanks are due to Golder Associates et al ³ for their plant compilations, vegetational analyses and detailed habitat-mapping of the northern part of the study area, and to Luc Delanoy ¹ for the more southern part. Luc also provided the author with valuable and much appreciated information and resource materials for the present article. The careful reviews of this article by John Hudson and Luc Delanoy are much appreciated.

Species List

The previous plant lists were double-checked for accuracy and various prior-listed species have been omitted because of an apparent lack of voucher specimens to document them. Recorded in this list for the Peturrson Ravine area are 371 vascular plant taxa (= 363 species, with eight species having two varieties each in the area). Of these, 317 (or 85.5%) are native and 54 (or 14.5%) are exotic (i.e. introduced) plants. Thus the total area, with its variety of habitats, displays a rich floristic diversity. But with 54 exotic plants being recorded here, plus the extensive disturbed sites noted, it is clear that the area as a whole is hardly pristine. Despite the mix of disturbed to relatively natural sites, it is possible for local naturalists to observe a surprisingly high number of over 300 native vascular plant species in the overall Peturrson Ravine area. Species' lists for "natural areas" such as this are unlikely ever to be complete, but should rather be considered to represent a baseline to which observers can add more records.

The plants in the following species' list are alphabetically arranged by scientific names under their respective families, which in turn are ordered

alphabetically. Common names are given in upper-case letters. Introduced (non-native or exotic) plants are indicated by an asterisk (*), with all plants lacking an asterisk being considered native. Names in this listing are updated (modernized) to include most of the name changes associated with the numerous recent taxonomic revisions by authors, especially for the continuing Flora of North America Project and by the Biota of North America Program (BONAP) ⁶, excepting when contradicted by the author's personal knowledge and preferences. Important synonyms are given in square brackets to interconnect (i.e. "peg-down") the modern names with those previously most often used and better known. Newer changes at the generic-level (but not changed species' epithets within a genus) are cross-referenced by bracketed entries in the list. Authorships, valuable for referencing them, are provided for scientific names. The abbreviation "auct." indicates a name previously used by authors but not considered a true synonym. The plant records are mostly documented by specimen-vouchers filed in the W.P. Fraser Herbarium (SASK), University of Saskatchewan, Saskatoon, SK, although some sight-records are documented by vouchers from nearby sites.



Kalm's Lobelia

Anna Leighton

ACERACEAE (Maple Family):

-*Acer negundo* L. var. *interius* (Britt.) Sarg. — MANITOBA MAPLE; BOX-ELDER.

ALISMATACEAE (Water-plantain Family):

-*Alisma triviale* Pursh [*A. plantago-aquatica* L. var. *americanum* Schult. & Schult.] — COMMON WATER-PLANTAIN.

AMARANTHACEAE (Pigweed Family):

-*Amaranthus blitoides* S.Wats. * [*A. graecizans* auct. non L.] — PROSTRATE AMARANTH.

-*Amaranthus retroflexus* L. var. *retroflexus* * — REDROOT PIGWEED.

ANACARDIACEAE (Sumac Family):

[*Rhus radicans* (= *Toxicodendron rydbergii*)].

-*Toxicodendron rydbergii* (Small) Greene [*Rhus radicans* L. var. *rydbergii* Small] — POISON IVY.

APIACEAE (=UMBELLIFERAE) (Parsley Family):

-*Cicuta maculata* L. var. *angustifolium* Hook. [*C. douglasii* (DC.) C. & R.] — WESTERN WATER-HEMLOCK.

-*Heracleum maximum* Bartr. [*H. lanatum* Michx.] — COW PARSNIP.

-*Lomatium foeniculaceum* (Nutt.) C. & R. ssp. *foeniculaceum* [*L. villosum* Raf.] — HAIRY, HAIRY-FRUITED, or FENNEL-LEAVED PARSLEY.

-*Lomatium macrocarpum* (Nutt.) C. & R. — LARGE-FRUITED WILD-PARSLEY or BISCUITROOT.

-*Sanicula marilandica* L. — BLACK SNAKEROOT.

-*Sium suave* Walt. — WATER PARSNIP.

-*Zizia aptera* (Gray) Fern. — HEART-LEAVED MEADOW-PARSNIP or ALEXANDERS.

APOCYNACEAE (Dogbane Family):

-*Apocynum androsaemifolium* L. — SPREADING DOGBANE.

-*Apocynum cannabinum* L. var. *hypericifolium* Gray [*A. sibiricum* Jacq.] — INDIAN HEMP; HEMP DOGBANE.

ARALIACEAE (Ginseng Family):

-*Aralia nudicaulis* L. — WILD SARSAPARILLA.

ASTERACEAE (=COMPOSITAE) (Sunflower Family):

-*Achillea millefolium* L. var. *lanulosa* (Nutt.) Piper — WOOLLY YARROW.

-*Achillea sibirica* Ledeb. — SIBERIAN or MANY-FLOWERED YARROW.

-*Agoseris glauca* (Pursh) Raf. — SMOOTH AGOSERIS; FALSE DANDELION.

-*Antennaria parvifolia* Nutt. — LOW or SMALL-LEAVED PUSSYTOES.

-*Artemisia biennis* Willd. var. *biennis* — BIENNIAL WORMWOOD.

-*Artemisia campestris* L. — TALL PLAINS SAGEWORT or WORMWOOD.

-*Artemisia cana* Pursh — HOARY SAGEBRUSH.

-*Artemisia dracunculus* L. — LINEAR-LEAVED WORMWOOD; DRAGONWORT.

-*Artemisia frigida* Willd. — PASTURE SAGE.

-*Artemisia ludoviciana* Nutt. — PRAIRIE or WHITE SAGE.

[*Aster borealis* (= *Symphyotrichum boreale*)].

- [*Aster brachyactis* (= *Symphyotrichum ciliatum*)].
- [*Aster ciliolatus* (= *Symphyotrichum ciliolatum*)].
- [*Aster ericoides* var. *pansus* (= *Symphyotrichum ericoides* var. *pansum*)].
- [*Aster falcatus* (= *Symphyotrichum falcatum*)].
- [*Aster hesperius* (= *Symphyotrichum lanceolatum* var. *hesperium*)].
- [*Aster laevis* var. *geyeri* (= *Symphyotrichum laeve* var. *geyeri*)].
- [*Chrysopsis villosa* (= *Heterotheca villosa*)].
- Cirsium arvense* (L.) Scop. * — CANADA or CREEPING THISTLE.
- Cirsium flodmanii* (Rydb.) Arthur — FLODMAN'S THISTLE.
- Conyza canadensis* (L.) Cronq. [*Erigeron canadensis* L.] — HORSEWEED; CANADA FLEABANE.
- Crepis runcinata* (James) T. & G. — SCAPOSE or DANDELION HAWKSBEARD.
- Crepis tectorum* L. * — NARROW-LEAVED HAWKSBEARD.
- Erigeron asper* Nutt. — ROUGH FLEABANE.
- Erigeron caespitosus* Nutt. — TUFTED FLEABANE.
- [*Erigeron canadensis* (= *Conyza canadensis*)].
- Erigeron lonchophyllus* Hook. — HIRSUTE or SPEAR-LEAVED FLEABANE.
- Erigeron philadelphicus* L. — PHILADELPHIA FLEABANE.
- Erigeron strigosus* Muhl. [*E. ramosus* (Walt.) BSP.; *E. annuus* auct. non (L.) Pers.] — DAISY or PRAIRIE FLEABANE; WHITE-TOP.
- Euthamia graminifolia* (L.) Nutt. [*Solidago graminifolia* (L.) Salisb.] — GRASS-LEAVED or FLAT-TOP GOLDENROD.
- Gaillardia aristata* Pursh — BLANKET-FLOWER; GREAT-FLOWERED GAILLARDIA; BROWN-EYED SUSAN.
- Grindelia squarrosa* (Pursh) Dunal — CURLY-CUP GUMWEED.
- Gutierrezia sarothrae* (Pursh) Britt. & Rusby — COMMON BROOMWEED; BROOM-SNAKEWEED.
- [*Haplopappus nuttallii* (= *Machaeranthera grindelioides*)].
- [*Haplopappus spinulosus* (= *Machaeranthera pinnatifida*)].
- Helenium autumnale* L. — COMMON or FALL SNEEZEWEED.
- Helianthus nuttallii* T. & G. ssp. *nuttallii* [*H. subtuberosus* (Britt.) Britt.] — NUTTALL'S, CLUSTERED, COMMON or TALL SUNFLOWER.
- Helianthus subrhomboides* Rydb — SUBRHOMBIC or BEAUTIFUL SUNFLOWER. [*H. laetiflorus* auct. non Pers.]
- Heterotheca villosa* (Pursh) Shinnars [*Chrysopsis villosa* Pursh] — HAIRY GOLDEN ASTER.
- Hieracium umbellatum* L. — NARROW-LEAVED HAWKWEED.
- Iva axillaris* Pursh — POVERTY-WEED; DEER-ROOT.
- Lactuca pulchella* Pursh [*L. tatarica* (L.) Mey. var. *pulchella* (Pursh) Breit.] — COMMON BLUE LETTUCE.
- Lactuca serriola* L. — LOBED PRICKLY LETTUCE. [*L. scariola* L.].
- Liatris ligulistylis* (A. Nels.) Schum. — MEADOW BLAZING-STAR.
- Liatris punctata* Hook. — DOTTED or PUNCTATE BLAZING-STAR.
- Lygodesmia juncea* (Pursh) D. Don. — RUSH SKELETON-WEED.
- Machaeranthera grindelioides* (Nutt.) Shinnars — TOOTHED IRONPLANT.
- [*Haplopappus nuttallii* T. & G.].
- Machaeranthera pinnatifida* (Hook.) Shin. [*Haplopappus spinulosus* (Pursh) DC.] — SPINY or CUTLEAF IRON PLANT.
- Oligoneuron rigidum* (L.) Small var. *humile* (Porter) Nesom [*Solidago rigida* L.

- var. *humilis* Porter] — STIFF, RIGID, or CORYMBOSE GOLDENROD.
- Packera cana* (Hook.) Weber & Love [*Senecio canus* Hook.] — SILVERY GROUNDSEL.
- Ratibida columnifera* (Nutt.) Woot. & Standl. — LONG-HEADED or YELLOW PRAIRIE CONEFLOWER.
- [*Senecio canus* (= *Packera cana*)].
- Senecio integerrimus* Nutt. var. *integerrimus* — ENTIRE-LEAVED GROUNDSEL or RAGWORT.
- Solidago canadensis* L. var. *canadensis* — CANADA or GRACEFUL GOLDENROD.
- Solidago canadensis* L. var. *gilvocanescens* Rydb. [*S. pruinosa* Greene] — CANADA or CANESCENT GOLDENROD.
- Solidago gigantea* Ait. — LATE or GIANT GOLDENROD.
- Solidago graminifolia* (= *Euthamia graminifolia*).
- Solidago missouriensis* Nutt. — LOW or PRAIRIE GOLDENROD.
- Solidago mollis* Bartl. var. *mollis* — VELVETY or ASHY GOLDENROD.
- Solidago rigida* var. *humilis* (= *Oligoneuron rigidum* var. *humile*).
- Solidago simplex* Kunth var. *simplex* [*S. spathulata* DC. var. *neomexicana* (Gray) Cronq.] — MOUNTAIN GOLDENROD.
- Sonchus arvensis* L. ssp. *uliginosus* (Bieb.) Nyman * [*S. a.* var. *glabrescens* Guenth., Grab. & Wimm.] — PERENNIAL or FIELD SOW-THISTLE.
- Sonchus asper* (L.) Hill * — PRICKLY or SPINY-LEAVED ANNUAL SOW-THISTLE.
- Symphyotrichum boreale* (T. & G.) A. & D. Löve [*Aster borealis* (T. & G.) Prov.; *A. junciformis* Rydb.] — NORTHERN MARSH or BOG ASTER.
- Symphyotrichum ciliatum* (Ledeb.) Nesom [*Aster brachyactis* Blake] — RAYLESS ASTER.
- Symphyotrichum ciliolatum* (Lindl.) A. & D. Löve [*Aster ciliolatus* Lindl.] — LINDLEY'S BLUE ASTER.
- Symphyotrichum ericoides* (L.) Nesom var. *pansum* (Blake) Nesom [*Aster ericoides* L. var. *pansus* (Blake) Boivin] — TUFTED WHITE PRAIRIE ASTER; HEATH or MULTI-FLOWERED ASTER.
- Symphyotrichum falcatum* (Lindl.) Nesom var. *commutatum* (T. & G.) Nesom [*Aster falcatus* Lindl. var. *commutatus* (T. & G.) A. G. Jones] — CREEPING WHITE PRAIRIE or HEATH ASTER.
- Symphyotrichum laeve* (L.) A. & D. Love var. *geyeri* (Gray) Nesom [*Aster laevis* L. var. *geyeri* Gray] — SMOOTH BLUE ASTER.
- Symphyotrichum lanceolatum* (Willd.) Nesom var. *hesperium* (Gray) Nesom [*Aster hesperius* Gray] — WESTERN WILLOW ASTER; RUSH ASTER.
- Tanacetum vulgare* L. * — COMMON TANSY.
- Taraxacum officinale* Weber * — COMMON DANDELION.
- Tragopogon dubius* Scop. * — YELLOW GOAT'S-BEARD.
- Xanthium strumarium* L. — COMMON COCKLEBUR.

BETULACEAE (Birch Family):

- Betula occidentalis* Hook. [*B. fontinalis* Sarg.] — RIVER or WATER BIRCH.
- Betula pumila* L. var. *glandulifera* Regel — SHRUB or SWAMP BIRCH.
- Corylus cornuta* Marsh. — BEAKED HAZELNUT.

BORAGINACEAE (Borage Family):

- Hackelia deflexa* (Wahl.) Opiz. var. *americana* (Gray) Fern. & I.M. Johnston [*H. americana* (Gray) Fern.] – NODDING STICKSEED.
- Hackelia floribunda* (Lehm.) I.M. Johnston – LARGE-FLOWERED STICKSEED.
- Lappula squarrosa* (Retz.) Dum. * [*L. echinata* Gilib.; *L. myosotis* Moench] — BLUEBUR; STICKSEED.
- Lithospermum incisum* Lehm. – NARROW-LEAVED PUCCOON..

BRASSICACEAE (=CRUCIFERAE) (Mustard Family):

- Arabis divaricarpa* A.Nels. — PURPLE ROCK-CRESS.
- Arabis glabra* (L.) Bernh. *? — TOWER MUSTARD.
- Arabis hirsuta* (L.) Scop. var. *pycnocarpa* (Hopk.) Roll. – HIRSUTE or HAIRY ROCK-CRESS.
- Arabis holboellii* Hornem. var. *retrofracta* (Grah.) Rydb. — REFLEXED ROCK-CRESS.
- Descurainia sophia* (L.) Webb * – FLIXWEED; FLIXWEED TANSY-MUSTARD.
- Erysimum asperum* (Nels.) DC. — WESTERN WALLFLOWER or PRAIRIE ROCKET.
- Erysimum inconspicuum* (S.Wats.) MacM. — SMALL-FLOWERED ROCKET or WALLFLOWER.
- Hesperis matronalis* L. * – DAME'S-ROCKET; SWEET ROCKET.
- Lepidium densiflorum* Schrad. – COMMON PEPPERGRASS; PRAIRIE PEPPERWEED.
- Lesquerella arenosa* (Richards.) Rydb. [*L. ludoviciana* (Nutt.) S.Wats. var. *arenosa* (Richards.) S.Wats.] – SAND BLADDERPOD.
- Rorippa palustris* (L.) Bess. – MARSH YELLOW-CRESS
- Sisymbrium loeselii* L. * — TALL HEDGE MUSTARD.
- Thlaspi arvense* L. * — FIELD PENNY-CRESS; STINKWEED.

CAMPANULACEAE (Bluebell Family):

- Campanula rotundifolia* L. — HAREBELL; COMMON BLUEBELL.

CAPRIFOLIACEAE (Honeysuckle Family):

- Lonicera dioica* L. var. *glaucescens* (Rydb.) Butt. — TWINING or LIMBER HONEYSUCKLE.
- Lonicera tatarica* L. * — TARTARIAN HONEYSUCKLE.
- Sambucus racemosa* L. ssp. *pubens* (Michx.) House * – RED ELDERBERRY.
- Symphoricarpos albus* (L.) Blake — NORTHERN or COMMON SNOWBERRY.
- Symphoricarpos occidentalis* Hook. — WESTERN SNOWBERRY; BUCKBRUSH.
- Viburnum edule* (Michx.) Raf. – LOW BUSH-CRANBERRY; MOOSE-BERRY; PEMBINA.
- Viburnum opulus* L. var. *americanum* Ait. – HIGH BUSH-CRANBERRY; PEMBINA.

CARYOPHYLLACEAE (Pink Family):

- [*Arenaria lateriflora* (= *Moehringia lateriflora*)].
- Cerastium arvense* L. — FIELD or PRAIRIE CHICKWEED.
- Gypsophila paniculata* L. * — TALL BABY'S-BREATH.
- Moehringia lateriflora* (L.) Fenzl [*Arenaria lateriflora* L.] — GROVE or BLUNT-

LEAVED SANDWORT.

- Silene cserei* Baumg. — SMOOTH CATCHFLY.
- Silene drummondii* Hook. var. *drummondii* [*Lychnis drummondii* (Hook.) S.Wats.] — DRUMMOND'S COCKLE or CATCH-FLY.
- Silene menziesii* Hook. — MENZIES' CATCHFLY.
- Stellaria crassifolia* Ehrh. — FLESHY STARWORT.

CHENOPODIACEAE (Goosefoot Family):

- Atriplex gardneri* (Moq.) D. Dietr. [*A. nuttallii* auct. non S.Wats.] — GARDNER'S or NUTTALL'S SALTBUSH or ATRIPLEX.
- Atriplex hortensis* L. * — GARDEN ORACHE.
- Atriplex patula* L. — SPREADING SALTBUSH or ORACHE.
- Axyris amaranthoides* L.* — RUSSIAN PIGWEED.
- Chenopodium album* L.* — LAMB'S-QUARTERS; WHITE PIGWEED.
- Chenopodium capitatum* (L.) Ambr. — STRAWBERRY BLITE; STRAWBERRY SPINACH.
- Chenopodium pratericola* Rydb. [*C. leptophyllum* auct. non (Moq.) Nutt.] — NARROW-LEAVED or DESERT GOOSEFOOT.
- Chenopodium salinum* Standl. [*C. glaucum* L. var. *salinum* (Standl.) Boiv.] — SALINE, OAK-LEAF, or SMOOTH GOOSEFOOT..
- Corispermum pacificum* Mosyakin [*C. hyssopifolium* auct. non L.] — BUGSEED.
- Kochia scoparia* (L.) Schrad. * — KOCHIA; BURNING-BUSH; SUMMER-CYPRESS;
- Monolepis nuttalliana* (Schultes) Greene — SPEAR-LEAVED GOOSEFOOT; NUTTALL'S POVERTY-WEED.
- Salsola tragus* L.* [*S. kali* L. ssp. *tenuifolia* Moq.; *S. pestifer* A.Nels.] — RUSSIAN THISTLE; PRAIRIE TUMBLEWEED.

CORNACEAE (Dogwood Family):

- Cornus sericea* L. ssp. *stolonifera* (Michx.) Fosb. [*C. alba* auct. non L.] — RED-OSIER DOGWOOD.

CUPRESSACEAE (Cypress Family):

- Juniperus communis* L. var. *montana* Ait. — COMMON, LOW, or GROUND JUNIPER.
- Juniperus horizontalis* Moench — CREEPING JUNIPER or SAVIN.

CUSCUTACEAE (Dodder Family):

- Cuscuta gronovii* Willd. — COMMON DODDER (parasitic on Canada Goldenrod).

CYPERACEAE (Sedge Family):

- Blysmus rufus* (Huds.) Link [*Scirpus rufus* (Huds.) Schrad.] — RED BULRUSH.
SK Rare: THR.
- Carex aquatilis* Wahl. — WATER SEDGE.
- Carex atherodes* Spreng. — AWNED SEDGE.
- Carex duriuscula* C.A. Mey. [*C. eleocharis* Bailey; *C. stenophylla* Wahl. ssp. *eleocharis* (Bailey) Hultén] — LOW SEDGE.
- Carex filifolia* Nutt. — THREAD-LEAVED SEDGE.
- Carex foenea* Willd. [*C. siccata* Dewey] — HAY or DRY-SPIKE SEDGE.

- Carex inops* Bailey ssp. *heliophila* (Mack.) Crins [*C. pensylvanica* Lam. var. *digyna* Boeckl.] — SUN-LOVING SEDGE.
- Carex lasiocarpa* Ehrh. var. *americana* Fern. [*C. lanuginosa* auct. non Michx.] — WOOLLY SEDGE.
- Carex obtusata* Lilj. — BLUNT SEDGE.
- Carex parryana* Dewey — PARRY'S SEDGE.
- Carex peckii* Howe — PECK'S SEDGE.
- Carex praegracilis* Boott — GRACEFUL SEDGE; CLUSTERED FIELD SEDGE.
- Carex rossii* Boott — ROSS' SEDGE.
- Carex sprengellii* Dewey ex Spreng. — SPRENGEL'S or LONG-BEAKED SEDGE.
- Carex utriculata* Boott — BEAKED SEDGE. [*C. rostrata* auct. non Stokes].
- Eleocharis acicularis* (L.) R. & S. — NEEDLE SPIKE-RUSH.
- Eleocharis palustris* (L.) R. & S. — CREEPING, COMMON or PALE SPIKE-RUSH..
- Eleocharis quinqueflora* (F.Hartm.) Schwarz — FEW-FLOWERED SPIKE-RUSH..
- Schoenoplectus acutus* (Muhl ex Bigel.) A. & D. Love [*Scirpus acutus* Muhl. ex Bigel.] — HARDSTEM or VISCID GREAT BULRUSH.
- Schoenoplectus pungens* (Vahl.) Palla [*Scirpus pungens* Vahl.; *S. americanus* auct. non Pers.] — THREE-SQUARE or AMERICAN BULRUSH.
- Schoenoplectus tabernaemontani* (Gmel.) Palla [*Scirpus validus* Vahl.; *S. americanus* auct. non Pers.] — COMMON or SOFT-STEM GREAT BULRUSH. [*Scirpus acutus* (= *Schoenoplectus acutus*)].
- Scirpus microcarpus* J. & K. Presl. — SMALL-FRUITED BULRUSH. [*Scirpus pumilus* ssp. *rollandii* (= *Trichophorum pumilum* ssp. *rollandii*)].
- [*Scirpus pungens* (= *Schoenoplectus pungens*)].
- [*Scirpus rufus* (= *Blysmus rufus*)].
- [*Scirpus validus* (= *Schoenoplectus tabernaemontani*)].
- Trichophorum pumilum* (Vahl.) Schinz. & Thell. ssp. *rollandii* (Fern.) Taylor & MacBr. [*Scirpus pumilus* Vahl. ssp. *rollandii* (Fern.) Raym.] — DWARF BULRUSH. SK Rare: THR.

ELAEAGNACEAE (Oleaster Family):

- Elaeagnus angustifolia* L. * — RUSSIAN OLIVE.
- Elaeagnus commutata* Bernh. ex Rydb. — SILVERBERRY; WOLF-WILLOW.
- Shepherdia argentea* (Pursh) Nutt. — THORNY or SILVERY BUFFALO-BERRY.
- Shepherdia canadensis* (L.) Nutt. — CANADA, LOW or RUSSET BUFFALO-BERRY; SOAPBERRY.

EQUISETACEAE (Horsetail Family):

- Equisetum arvense* L.— COMMON or FIELD HORSETAIL.
- Equisetum hyemale* L. ssp. *affine* (Engelm.) Calder & Taylor — COMMON or TALL SCOURING-RUSH.
- Equisetum laevigatum* A.Br. — SMOOTH SCOURING-RUSH.
- Equisetum palustre* L. — MARSH HORSETAIL.

ERICACEAE (Heath Family):

- Arctostaphylos uva-ursi* (L.) Spreng. — COMMON BEARBERRY; KINNIKINICK.

EUPHORBIACEAE (Spurge Family):

-*Chamaesyce glyptosperma* (Engelm.) Small [= *Euphorbia glyptosperma* Engelm.] — RIB-SEED, RIDGE-SEEDED or PROSTRATE SPURGE.

-*Chamaesyce serpyllifolia* (Pers.) Small ssp. *serpyllifolia* [*Euphorbia serpyllifolia* Pers.] — THYME-LEAVED SPURGE or SAND-MAT.

[*Euphorbia glyptosperma* (= *Chamaesyce glyptosperma*)].

[*Euphorbia serpyllifolia* (= *Chamaesyce serpyllifolia*)].

FABACEAE (=LEGUMINOSAE) (Pea Family):

-*Astragalus adsurgens* Pall. ssp. *robustior* (Hook.) Welsh [*A. striatus* Nutt.] — ASCENDING PURPLE, GROOVED or PRAIRIE MILK-VETCH.

-*Astragalus agrestis* Dougl. ex G. Don [*A. goniatus* Nutt.; *A. dasyglottis* Fisch. ex DC.; — *A. danicus* Retz. var. *dasyglottis* (Fisch. ex DC.) Boiv.] — PURPLE or FIELD MILK-VETCH; COCK'S-HEAD.

-*Astragalus bisulcatus* (Hook.) Gray — TWO-GROOVED MILK-VETCH.

-*Astragalus flexuosus* (Hook.) Dougl. ex G. Don — SLENDER or FLEXILE MILK-VETCH.

-*Astragalus gilviflorus* Sheldon [*A. triphyllus* Pursh] — CUSHION or PLAINS MILK-VETCH.

-*Astragalus missouriensis* Nutt. — MISSOURI MILK-VETCH.

-*Astragalus pectinatus* (Hook.) Dougl. ex G. Don — NARROW-LEAVED or TINE-LEAVED MILK-VETCH.

-*Astragalus tenellus* Pursh — LOOSE-FLOWERED or PULSE MILK-VETCH.

-*Caragana arborescens* Lam.* — SIBERIAN PEA-SHRUB; COMMON CARAGANA.

-*Dalea candida* Willd. var. *candida* [*Petalostemon candidum* (Willd.) Michx.] — WHITE PRAIRIE-CLOVER.

-*Dalea purpurea* Vent. var. *purpurea* [*Petalostemon purpureum* (Vent.) Rydb] — PURPLE PRAIRIE-CLOVER.

-*Glycyrrhiza lepidota* Pursh — AMERICAN or WILD LICORICE.

-*Hedysarum alpinum* L. var. *americanum* Michx. — AMERICAN or ALPINE HEDYSARUM or SWEET-VETCH.

-*Lathyrus ochroleucus* Hook. — CREAM-COLORED VETCHLING or PEA-VINE.

-*Medicago falcata* L.* [*M. sativa* L. ssp. *falcata* (L.) Arc. — YELLOW ALFALFA or LUCERNE.

-*Medicago lupulina* L.* — BLACK MEDICK.

-*Medicago sativa* L.* — ALFALFA; LUCERNE.

-*Melilotus alba* Medic.* — WHITE SWEET-CLOVER.

-*Melilotus officinalis* (L.) Lam.* — YELLOW SWEET-CLOVER.

-*Oxytropis monticola* Gray ssp. *monticola* [*Oxytropis campestris* (L.) DC. var. *gracilis* (A. Nels.) Barn.] — LATE YELLOW or SLENDER LOCOWEED.

-*Oxytropis sericea* Nutt. var. *spicata* (Hook.) Barn. — EARLY YELLOW LOCOWEED.

-*Pediomelum argophyllum* (Pursh) Grimes [*Psoralea argophylla* Pursh] — SILVER-LEAF PSORALEA or SCURF-PEA.

-*Pediomelum esculentum* (Pursh) Rydb. [*Psoralea esculenta* Pursh] — INDIAN BREADROOT; BREADROOT SCURF-PEA; PRAIRIE TURNIP.

[*Petalostemon candidum* (= *Dalea candida*)].

[*Petalostemon purpureum* (= *Dalea purpurea*)].

[*Psoralea argophylla* (= *Pediomelum argophyllum*)].

[*Psoralea esculenta* (= *Pediomelum esculentum*)].

[*Psoralea lanceolata* (= *Psoralidium lanceolatum*)].

-*Psoralidium lanceolatum* (Pursh) Rydb. [*Psoralea lanceolata* Pursh] – LANCE-LEAVED PSORALEA or SCURF-PEA.

-*Thermopsis rhombifolia* (Nutt. ex Pursh) Nutt. ex Richards. — GOLDEN BEAN; YELLOW BUFFALO BEAN.

-*Vicia americana* Muhl. ex Willd. ssp. *americana* — AMERICAN VETCH.

-*Vicia americana* Muhl. ex Willd. ssp. *minor* (Hook.) C.R. Gunn [*V. sparsifolia* Nutt. ex T. & G.] — NARROW-LEAVED AMERICAN VETCH.

-*Vicia cracca* L. ssp. *cracca* * – TUFTED or BIRD VETCH.

FUMARIACEAE (Fumitory Family):

-*Corydalis aurea* Willd. — GOLDEN CORYDALIS.

GENTIANACEAE (Gentian Family):

[*Gentiana crinita* ssp. *macounii* (= *Gentianopsis macounii*)].

-*Gentianopsis macounii* (Holm) Iltis [*Gentiana macounii* Holm.; *Gentianella crinita* (Froel.) G. Don ssp. *macounii* (Holm.) Gillett] — PRAIRIE or MACOUN'S FRINGED GENTIAN.

-*Lomatogonium rotatum* (L.) Fries ex Fern. — MARSH FELDWORT. SK Rare:
VUL.

GROSSULARIACEAE (Currant Family):

-*Ribes americanum* P. Mill. – WILD or AMERICAN BLACK CURRANT.

-*Ribes oxycanthoides* L. ssp. *oxycanthoides* – NORTHERN or CANADA GOOSE-BERRY.

IRIDACEAE (Iris Family):

-*Sisyrinchium montanum* Greene — COMMON BLUE-EYED GRASS.

JUNCACEAE (Rush Family):

-*Juncus alpinoarticulatus* Chaix ssp. *nodulosus* (Wahl.) Hämet-Ahti — ALPINE RUSH. [*J. alpinus* Vill. var. *rariflorus* Hartm.].

-*Juncus balticus* Willd. — BALTIC or WIRE RUSH.

-*Juncus bufonius* L. — TOAD or SEASIDE RUSH.

JUNCAGINACEAE (Arrow-grass Family):

-*Triglochin maritima* L. — SEASIDE or SHORE ARROW-GRASS.

-*Triglochin palustre* L. — MARSH or SLENDER ARROW-GRASS.

LAMIACEAE (=LABIATAE) (Mint Family):

-*Lycopus americanus* Muhl. ex Bart. — CUT-LEAVED or AMERICAN WATER-HOREHOUND.

-*Lycopus asper* Greene – ROUGH or WESTERN WATER-HOREHOUND.

-*Mentha arvensis* L. — WILD or FIELD MINT.

LILIACEAE (Lily Family):

-*Allium textile* A. Nels. & Macbr. — PRAIRIE ONION.

-*Asparagus officinalis* L.* – GARDEN ASPARAGUS.

-*Disporum trachycarpum* (S. Wats.) Benth. & Hook. – FAIRYBELLS.

-*Maianthemum stellatum* (L.) Link. [*Smilacina stellata* (L.) Desf.] — STAR-FLOWERED SOLOMON'S-SEAL.

[*Smilacina stellata* (= *Maianthemum stellatum*)].

-*Zygadenus elegans* Pursh — SMOOTH or WHITE CAMAS.

LINACEAE (Flax Family):

-*Linum lewisii* Pursh [*L. perenne* L. ssp. *lewisii* (Pursh) Hult.] — LEWIS' WILD BLUE FLAX.

-*Linum rigidum* Pursh — YELLOW FLAX.

LOBELIACEAE (Lobelia Family):

-*Lobelia kalmii* L. — KALM'S, BROOK or BOG LOBELIA.

MALVACEAE (Mallow Family):

-*Malva rotundifolia* L.* — ROUND-LEAVED or COMMON MALLOW. [*M. pusilla* Sm.].

-*Sphaeralcea coccinea* (Nutt.) Rydb. [*Malvastrum coccineum* (Nutt.) Gray] — SCARLET MALLOW.

NYCTAGINACEAE (Four-o'clock Family):

-*Mirabilis albida* (Walt.) Heim. [*M. hirsuta* (Pursh) MacM.] — HAIRY UMBRELLAWORT or FOUR-O'CLOCK.

OLEACEAE (Olive Family):

-*Fraxinus pennsylvanica* Marsh. — GREEN ASH.

-*Syringa vulgaris* L. * — COMMON LILAC.

ONAGRACEAE (=OENOTHERACEAE) (Evening-Primrose Family):

-*Epilobium ciliatum* Raf. [*E. glandulosum* Lehm. var. *adenocaulon* (Hausk.) Fern.] — NORTHERN WILLOW-HERB.

-*Epilobium leptophyllum* Raf. — NARROW-LEAVED or BOG WILLOW-HERB.

-*Epilobium palustre* L. [*E. lineare* Muhl.] — MARSH WILLOW-HERB.

-*Gaura coccinea* Nutt. ex Pursh — SCARLET GAURA or BUTTERFLY-PLANT.

-*Oenothera biennis* L. — YELLOW or COMMON EVENING-PRIMROSE.

ORCHIDACEAE (Orchid Family):

[*Habenaria hyperborea* (= *Platanthera hyperborea*)].

-*Platanthera hyperborea* (L.) Lindl. [*Habenaria hyperborea* (L.) R.Br. ex Ait.f.] — NORTHERN GREEN BOG ORCHID.

PLANTAGINACEAE (Plantain Family):

-*Plantago eriopoda* Torr. — SALINE or ALKALI PLANTAIN.

-*Plantago major* L. * — COMMON PLANTAIN.

POACEAE (=GRAMINEAE) (Grass Family):

-*Achnatherum hymenoides* (R. & S.) Barkw. — INDIAN RICE-GRASS. [*Oryzopsis hymenoides* (R. & S.) Rich. ex Pip.].

[*X Agrohordeum macounii* (= *X Elyhordeum macounii*)].

[*Agropyron albicans* (= *Elymus albicans*)].

-*Agropyron cristatum* (L.) Gaertn. ssp. *pectinatum* (Bieb.) Tzv. * [*Agropyron* -

pectiniforme R.& S.] — CRESTED WHEATGRASS.

[*Agropyron dasystachyum* var. *dasystachyum* (= *Elymus lanceolatus* var. *lanceolatus*).

[*Agropyron intermedium* (= *Thinopyrum intermedium*)].

[*Agropyron repens* (= *Elymus repens*)].

[*Agropyron smithii* (= *Pascopyrum smithii*)].

[*Agropyron subsecundum* (= *Elymus trachycaulus* ssp. *subsecundus*)].

[*Agropyron trachycaulum* ssp. *trachycaulum* (= *Elymus trachycaulus* ssp. *trachycaulus*)].

[*Agropyron riparium* (= *Elymus lanceolatus* var. *riparius*)].

-*Agrostis scabra* Willd. – ROUGH BENT-GRASS.

-*Agrostis stolonifera* L. – REDTOP; CREEPING BENT.

[*Andropogon scoparius* (= *Schizachyrium scoparium*)].

-*Bouteloua gracilis* (Willd. ex Kunth) Lag. ex Griffiths — BLUE GRAMA-GRASS.

-*Bromus ciliatus* L. – FRINGED BROME.

-*Bromus inermis* Leyss. ssp. *inermis* * — SMOOTH BROME.

-*Bromus tectorum* L. * — DOWNY CHESS or BROME.

-*Calamagrostis canadensis* (Michx.) Beauv. — BLUEJOINT; MARSH REED-GRASS.

-*Calamagrostis montanensis* Scribn. ex Vasey — PLAINS REED-GRASS.

-*Calamagrostis stricta* (Timm) Koel. ssp. *inexpansa* (Gray) C.W.Greene [*C. inexpansa* Gray] — NORTHERN REED-GRASS.

-*Calamagrostis stricta* (Timm) Koel. ssp. *stricta* [*C. neglecta* (Ehrh.) Gaertn., Mey.& Scherb.] – NARROW REED-GRASS.

-*Calamovilfa longifolia* (Hook.) Scribn. – SAND-GRASS.

-*Catabrosa aquatica* (L.) Beauv. – BROOK-GRASS.

-*Deschampsia caespitosa* (L.) Beauv. — TUFTED HAIR-GRASS.

-*Distichlis spicata* (L.) Greene var. *stricta* (Torr.) Beetle [*D. stricta* (Torr.) Rydb.] – INLAND SALT GRASS.

-*Echinochloa crusgalli* (L.) Greene var. *crusgalli* * – BARNYARD GRASS.

X *Elyhordeum macounii* (Vasey) Barkw. & Dewey [= *Elymus trachycaulus* X *Hordeum jubatum*; X *Agrohordeum macounii* Vasey]. – MACOUN'S WILD-RYE.

-*Elymus albicans* (Scribn.& Sm.) Dewey [*Agropyron albicans* Scribn.& Sm.] – AWNED NORTHERN WHEAT-GRASS.

-*Elymus canadensis* L. var. *canadensis* – CANADA or NODDING WILD-RYE.

[*Elymus junceus* (= *Psathyrostachys juncea*)].

-*Elymus lanceolatus* (Scribn.& Sm.) Gould var. *lanceolatus* [*Agropyron dasystachyum* (Hook.) Scribn.& Sm. var. *dasystachyum*] — NORTHERN WHEATGRASS.

-*Elymus lanceolatus* (Scribn.& Sm.) Gould var. *riparius* (Scribn. & Sm.) Dorn [*Agropyron riparium* Scribn.& Sm.; *A. dasystachyum* (Hook.) Scribn.& Sm. var. *riparium* (Scribn.& Sm.) Bowden] — STREAMBANK WHEATGRASS.

-*Elymus repens* (L.) Gould * [*Agropyron repens* (L.) Beauv.] — QUACK-GRASS; COUCH-GRASS.

-*Elymus trachycaulus* (Link) Gould & Shin. ssp. *subsecundus* (Link) A.& D.Love [*Agropyron subsecundum* (Link) A.S. Hitchc.; *A. trachycaulum* (Link) Malte ex Lewis var. *unilaterale* (Cass.) Moore] — AWNED WHEATGRASS.

-*Elymus trachycaulus* (Link) Gould & Shin. ssp. *trachycaulus* [*Agropyron trachycaulum* (Link) Malte ex Lewis] — SLENDER or WESTERN WHEATGRASS.

- Festuca altaica* Trin. ssp. *hallii* (Vasey) Harms [*F. hallii* (Vasey) Piper; *F. scabrella* auct. non Torr.] — PLAINS ROUGH FESCUE.
- Festuca saximontana* Rydb. var. *saximontana* [*F. ovina* L. var. *saximontana* (Rydb.) Gl.; *F. ovina* auct. non L.] — ROCKY MOUNTAIN FESCUE.
- Glyceria striata* (Lam.) A.S. Hitchc. — FOWL MANNA-GRASS.
- Helictotrichon hookeri* (Scribn.) Henr. — HOOKER'S OATGRASS.
- Hesperostipa comata* (Trin. & Rupr.) Barkw. [*Stipa comata* Trin. & Rupr.] — NEEDLE-AND-THREAD SPEARGRASS; NEEDLE GRASS.
- Hesperostipa curtisetata* (A.S. Hitchc.) Barkw. [*Stipa curtisetata* (A.S. Hitchc.) Barkw. ; *S. spartea* Trin. var. *curtisetata* A.S. Hitchc.] — WESTERN or SHORT-AWNED NEEDLE-GRASS or PORCUPINE GRASS.
- Hierochloa hirta* (Schrank) Borbas ssp. *arctica* (J. Presl.) Weim. [*H. odorata* auct. non (L.) Beauv.] — NORTHERN SWEET GRASS.
- Hordeum jubatum* L. ssp. *intermedium* Bowden [*H. jubatum* L. var. *caespitosum* (Scribn. ex Pam.) A.S. Hitchc.] — SHORT-AWNED WILD BARLEY.
- Hordeum jubatum* L. ssp. *jubatum* — FOXTAIL or WILD BARLEY.
- Koeleria macrantha* (Ledeb.) Schultes [*K. cristata* auct. non Pers.] — JUNE GRASS.
- Lolium perenne* L. * — PERENNIAL or ENGLISH RYE-GRASS.
- Muhlenbergia cuspidata* (Torr. ex Hook.) Rydb. — PRAIRIE MUHLY.
- Muhlenbergia racemosa* (Michx.) BSP. — MARSH MUHLY.
- Muhlenbergia richardsonis* (Trin.) Rydb. — MAT MUHLY.
- Nassella viridula* (Trin.) Barkw. [*Stipa viridula* Trin.] — GREEN NEEDLE-GRASS.
- Oryzopsis asperifolia* Michx. — WHITE-GRAINED MOUNTAIN-RICE.
[*Oryzopsis hymenoides* (= *Achnatherum hymenoides*)].
- Pascopyrum smithii* (Rydb.) A. Love — WESTERN WHEAT-GRASS. [*Agropyron smithii* Rydb.].
- Phalaris arundinacea* L. — REED CANARY-GRASS.
- Poa arida* Vasey — PLAINS or PRAIRIE BLUEGRASS.
- Poa compressa* L. * — CANADA or FLAT-STEMMED BLUE-GRASS.
- Poa cusickii* Vasey — EARLY or CUSICK BLUEGRASS.
- Poa palustris* L. — FOWL BLUE-GRASS.
- Poa pratensis* L. * — KENTUCKY BLUEGRASS.
- Poa secunda* Presl. [*P. sandbergii* Vasey] — CURLY, ALKALI, CANBY'S or SANDBERG'S BLUE-GRASS.
- Psathyrostachys juncea* (Fisch.) Nevski * [*Elymus junceus* Fisch.] — RUSSIAN WILD-RYE.
- Puccinellia nuttalliana* (Schultes) A.S. Hitchc. — NUTTALL'S ALKALI-GRASS.
- Schizachne purpurascens* (Torr.) Swall. — PURPLE OAT-GRASS.
- Schizachyrium scoparium* (Michx.) Nash ssp. *scoparium* [*Andropogon scoparius* Michx.] — LITTLE BLUESTEM.
- Spartina gracilis* Trin. — ALKALI CORDGRASS.
- Sphenopholis intermedia* (Rydb.) Rydb. — SLENDER WEDGE-GRASS.
- Sporobolus cryptandrus* (Torr.) Gray — SAND DROPSEED.
[*Stipa comata* (= *Hesperostipa comata*)].
[*Stipa curtisetata* (= *Hesperostipa curtisetata*)].
[*Stipa viridula* (= *Nassella viridula*)].
- Thinopyrum intermedium* (Host) Barkw. & Dewey * [*Agropyron intermedium* (Host) Beauv.] — INTERMEDIATE WHEAT-GRASS.
- Triticum aestivum* L. * — WHEAT.

POLEMONIACEAE (Phlox Family):

-*Collomia linearis* Nutt. — NARROW-LEAVED COLLOMIA.

-*Phlox hoodii* Richards. — MOSS PHLOX.

POLYGONACEAE (Buckwheat Family):

-*Eriogonum flavum* Nutt. — YELLOW UMBRELLA-PLANT.

-*Polygonum achoreum* Blake * [*P. erectum* auct. non L.] — STRIATE or LEATHERY KNOTWEED.

-*Polygonum arenastrum* Jord. ex Boreau. * [*P. aviculare* auct. non L.] — COMMON or YARD KNOT-WEED; DOORWEED.

-*Polygonum amphibium* L. var. *stipulaceum* Coleman — WATER or SWAMP PERSICARIA or SMARTWEED.

-*Polygonum coccineum* Muhl. ex Willd. var. *pratincola* (Greene) Stanford — SWAMP SMARTWEED or PERSICARIA.

-*Polygonum convolvulus* L. * — WILD BUCKWHEAT; BLACK BINDWEED.

-*Polygonum lapathifolium* L. — WILLOW-LEAVED PERSICARIA or SMARTWEED.

-*Rheum rhabarbarum* L. * [*R. rhaponticum* L.] — RHUBARB.

-*Rumex aquaticus* L. var. *fenestratus* (Greene) Dorn [*R. occidentalis* S.Wats.] — WESTERN DOCK.

-*Rumex maritimus* L. ssp. *fueginus* (Phil.) Hultén — GOLDEN DOCK.

-*Rumex pseudonatronatus* Borbas * [*R. fennicus* Murb.] — FIELD DOCK.

-*Rumex stenophyllus* Ledeb. * — NARROW-LEAVED FIELD DOCK.

POTAMOGETONACEAE (Pondweed Family):

-*Potamogeton crispus* L. * — CURLY PONDWEED.

[*Potamogeton filiformis* (= *Stuckenia filiformis*)].

-*Potamogeton foliosus* Raf. ssp. *foliosus* — LEAFY PONDWEED.

[*Potamogeton pectinatus* (= *Stuckenia pectinatus*)].

-*Stuckenia filiformis* (Pers.) Boerner [*Potamogeton filiformis* Pers.] — THREAD-LEAVED PONDWEED.

-*Stuckenia pectinata* (L.) Boerner [*Potamogeton pectinatus*] — SAGO or FENNEL-LEAVED PONDWEED.

PRIMULACEAE (Primrose Family):

-*Androsace septentrionalis* L. ssp. *septentrionalis* — NORTHERN PIGMY-FLOWER; FAIRY CANDELABRUM.

-*Dodecatheon pulchellum* (Raf.) Merr. [*D. pauciflorum* Greene] — BEAUTIFUL or SALINE SHOOTINGSTAR.

-*Glaux maritima* L. — SEA MILKWORT.

-*Lysimachia ciliata* L. — FRINGED YELLOW LOOSESTRIFE

PYROLACEAE (Wintergreen Family):

-*Orthilia secunda* (L.) House [*Pyrola secunda* L.] — ONE-SIDED WINTERGREEN or PYROLA.

RANUNCULACEAE (Buttercup Family):

-*Actaea rubra* (Ait.) Willd. — BANE BERRY.

-*Anemone canadensis* L. — CANADA or MEADOW ANEMONE.

-*Anemone cylindrica* Gray — CANDLE, LONG-HEADED or LONG-FRUITED

ANEMONE.

- Anemone multifida* Poir. – CUT-LEAVED ANEMONE.
- [*Anemone patens* (= *Pulsatilla patens*)].
- Pulsatilla patens* (L.) P.Mill. ssp. *multifida* (Pritz.) Zamels [*P. ludoviciana* Hell.; — *Anemone patens* L. var. *wolfgangiana* (Bess.) Koch] – PRAIRIE CROCUS; PASQUE-FLOWER; CROCUS ANEMONE.
- Ranunculus cymbalaria* Pursh — SHORE, SEASIDE or ALKALI BUTTERCUP.
- Ranunculus sceleratus* L. — CELERY-LEAVED or CURSED BUTTERCUP.
- Thalictrum dasycarpum* Fisch. & Ave. – PURPLE or TALL MEADOW-RUE.
- Thalictrum venulosum* Trel. — VEINY or EARLY MEADOW-RUE.

RHAMNACEAE (Buckthorn Family):

- Rhamnus alnifolia* L'Her. – ALDER-LEAVED BUCKTHORN.
- Rhamnus cathartica* L. * – EUROPEAN BUCKTHORN.

ROSACEAE (Rose Family):

- Amelanchier alnifolia* Nutt. – SASKATOON-BERRY; SERVICE-BERRY.
- Argentina anserina* (L.) Rydb. [*Potentilla anserina* L.] – SILVERLEAF; SILVERWEED; SILVER-FEATHER.
- Chamaerhodos erecta* (L.) Bunge ssp. *nuttallii* (Pick. ex Rydb.) Hult. – AMERICAN CHAMAERHODOS; LITTLE GROUND-ROSE.
- Crataegus chrysoarpa* Ashe [*C. rotundifolia* auct. non Moench] — ROUND-LEAVED or FIREBERRY HAWTHORN.
- Fragaria vesca* L. ssp. *americana* (Porter) Staudt – AMERICAN WILD or WOOD STRAWBERRY. [*F. americana* (Porter) Britt.].
- Fragaria virginiana* Duch. ssp. *glauca* (S.Wats.) Staudt — SMOOTH WILD STRAWBERRY.
- Geum aleppicum* Jacq. – YELLOW AVENS.
- Geum triflorum* Pursh — THREE-FLOWERED AVENS; PRAIRIE SMOKE; OLD-MAN'S-WHISKERS.
- Pentaphylloides floribunda* (Pursh) A.Love [*Potentilla fruticosa* auct. non L.] — SHRUBBY CINQUEFOIL.
- [*Potentilla anserina* (= *Argentina anserina*)].
- Potentilla arguta* Pursh — WHITE or TALL CINQUEFOIL.
- Potentilla bipinnatifida* Dougl. ex Hook. – PLAINS CINQUEFOIL
- [*Potentilla fruticosa* (= *Pentaphylloides floribunda*)].
- Potentilla gracilis* Dougl. ex Hook. – GRACEFUL CINQUEFOIL.
- Potentilla hippiana* Lehm. – WOOLLY or BRANCHED CINQUEFOIL.
- Potentilla pensylvanica* L. — PRAIRIE CINQUEFOIL.
- Prunus pensylvanica* L. f. var. *pensylvanica* – PIN, BIRD or FIRE CHERRY.
- Prunus virginiana* L. var. *virginiana* – COMMON or RED-FRUITED CHOKE CHERRY.
- Prunus virginiana* L. var. *melanocarpa* (A.Nels.) Sarg. – BLACK-FRUITED CHOKE-CHERRY.
- Rosa acicularis* Lindl. ssp. *sayi* (Schwein.) W.H. Lewis — PRICKLY WILD ROSE.
- Rosa arkansana* Porter — LOW PRAIRIE ROSE.
- Rosa woodsii* Lindl. — WOOD'S WILD ROSE.
- Rubus idaeus* L. ssp. *strigosus* (Michx.) Focke – WILD, WESTERN, CANADIAN or AMERICAN RED RASPBERRY.

- Sorbus aucuparia* L. * – EUROPEAN MOUNTAIN-ASH; ROWAN-TREE.
-*Spiraea alba* Du Roi – WHITE or NARROW-LEAVED MEADOWSWEET.

RUBIACEAE (Madder Family):

- Galium boreale* L. — NORTHERN BEDSTRAW.
-*Galium triflorum* Michx. — SWEET-SCENTED or FRAGRANT BEDSTRAW.

SALICACEAE (Willow Family):

- Populus balsamifera* L. — BALSAM or BLACK POPLAR.
-*Populus deltoides* Bartr. ex Marsh. ssp. *monilifera* (Ait.) Eckenw. [*P. d.* var. *occidentalis* Rydb.; *P. sargentii* Dode] – WESTERN or PLAINS COTTONWOOD.
-*Populus tremuloides* Michx. — TREMBLING ASPEN; WHITE POPLAR.
-*Salix bebbiana* Sarg. — BEAKED or GRAY WILLOW.
-*Salix candida* Fluegge ex Willd. — HOARY or SAGE WILLOW.
-*Salix discolor* Muhl. — PUSSY WILLOW.
-*Salix eriocephala* Michx. var. *famelica* Ball [*S. lutea* auct. non Nutt.] — YELLOW WILLOW.
-*Salix exigua* Nutt. ssp. *interior* (Rowlee) Cronq. – SANDBAR, COYOTE, or NARROW-LEAVED WILLOW.
-*Salix petiolaris* Sm. – MEADOW or BASKET WILLOW.
-*Salix planifolia* Pursh – FLAT-LEAF WILLOW.
-*Salix pseudomonticola* Ball [*S. monticola* auct. non Bebb.] – FALSE MOUNTAIN or CHERRY-LEAVED WILLOW.

SANTALACEAE (Sandalwood Family):

- Comandra umbellata* (L.) Nutt. ssp. *umbellata* – COMMON COMANDRA; BASTARD TOADFLAX.
-*Comandra umbellata* (L.) Nutt. ssp. *pallida* (DC.) Piehl — PALE or WESTERN COMANDRA; BASTARD TOADFLAX.

SAXIFRAGACEAE (Saxifrage Family):

- Heuchera richardsonii* R.Br. — RICHARDSON'S ALUMROOT.
-*Parnassia palustris* L. var. *tenuis* Wahl. – MEADOW, NORTHERN, or MARSH GRASS-OF-PARNASSUS.

SCROPHULARIACEAE (Figwort Family):

- Orthocarpus luteus* Nutt. — OWL'S-CLOVER.
-*Penstemon gracilis* Nutt. – LILAC BEARDTONGUE.
-*Penstemon nitidus* Dougl. ex Benth.— SMOOTH BLUE BEARDTONGUE.
-*Veronica scutellata* L. — MARSH or GRASS-LEAVED SPEEDWELL.

SELAGINELLACEAE (Little Clubmoss Family):

- Selaginella densa* Rydb. — PRAIRIE SELAGINELLA or SPIKE-MOSS.

SMILACACEAE (Carrion-flower Family):

- Smilax lasioneuron* Hook. — CARRION-FLOWER.

SOLANACEAE (Nightshade Family):

- Solanum triflorum* Nutt. – WILD TOMATO.

TYPHACEAE (Cattail Family):

-*Typha latifolia* L. — COMMON or BROAD-LEAVED CATTAIL.

ULMACEAE (Elm Family):

-*Ulmus americana* L. * — AMERICAN or WHITE ELM.

-*Ulmus pumila* L. * — MANCHURIAN or SIBERIAN ELM.

URTICACEAE (Nettle Family):

-*Urtica dioica* L. var. *gracilis* (Ait.) Seland. [*U. procera* Muhl. ex Willd.; *U. lyallii* S.Wats.] — COMMON STINGING NETTLE.

VIOLACEAE (Violet Family):

-*Viola adunca* Sm. — EARLY BLUE or HOOKED-SPUR VIOLET.

-*Viola canadensis* L. var. *rugulosa* (Greene) C.L. Hitchc. [*V. rugulosa* Greene] — WESTERN CANADA WHITE VIOLET; TALL WHITE VIOLET.

-*Viola nephrophylla* Greene — NORTHERN BOG VIOLET.

-*Viola vallicola* A.Nels. [*V. nuttallii* Pursh var. *vallicola* (A.Nels.) St.John] — YELLOW PRAIRIE or VALLEY VIOLET.

ZANNICHELLIACEAE (Horned-Pondweed Family):

-*Zannichellia palustris* L. — HORNED-PONDWEED.



Early Blue Violet

Blake Maybank

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***PEZIZA PROTEANA* VAR. *SPARASSOIDES*, AN UNUSUAL FUNGUS FOUND ON A FARM IN FISKE, SK**

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In October 2000, Don Graham, who farms near Fiske, Saskatchewan, brought me a cream-coloured specimen of a fungus that looked superficially like a boiled cabbage (Figure 1). The sample weighed more than a kilogram, and had been broken off a much larger mass, probably at least four kilograms. It was not immediately clear what it was, but fortunately Don's wife Shirley had thought to freeze it – this is the best way

to store fungal specimens until they can be preserved – and I was able to examine a piece under a microscope. It turned out to be the fruiting body of a type of ascomycete (a group that bears its spores in sacs called asci; Figure 2).

After discussing Don's find with experts in Edmonton, Prince George BC, and Georgia (USA), the fungus was identified as *Peziza proteana* variety