

**6134.0300 VASCULAR PLANTS.**

The following species of vascular plants are designated as:

A. Endangered:

- (1) *Achnatherum hymenoides*, Indian rice grass;
- (2) *Agalinis auriculata*, eared false foxglove;
- (3) *Agalinis gattingeri*, round-stemmed false foxglove;
- (4) *Agrostis hyemalis*, winter bentgrass;
- (5) *Allium schoenoprasum*, wild chives;
- (6) *Aristida longespica* var. *geniculata*, slimspike three-awn;
- (7) *Asclepias stenophylla*, narrow-leaved milkweed;
- (8) *Astragalus alpinus* var. *alpinus*, alpine milk-vetch;
- (9) *Bartonia virginica*, yellow bartonia;
- (10) *Botrychium ascendens*, upswept moonwort;
- (11) *Botrychium gallicomontanum*, Frenchman's bluff moonwort;
- (12) *Botrychium lineare*, slender moonwort;
- (13) *Botrychium spathulatum*, spatulate moonwort;
- (14) *Calamagrostis purpurascens*, purple reedgrass;
- (15) *Caltha natans*, floating marsh marigold;
- (16) *Carex careyana*, Carey's sedge;
- (17) *Carex formosa*, handsome sedge;
- (18) *Carex pallescens*, pale sedge;
- (19) *Carex plantaginea*, plantain-leaved sedge;
- (20) *Carex supina* ssp. *spaniocarpa*, weak arctic sedge;
- (21) *Castilleja septentrionalis*, northern paintbrush;
- (22) *Chrysosplenium iowense*, Iowa golden saxifrage;
- (23) *Commelina erecta*, slender dayflower;
- (24) *Diarrhena obovata*, obovate beakgrass;
- (25) *Dodecatheon meadia*, prairie shooting star;
- (26) *Draba cana*, hoary whitlow grass;

- (27) *Draba norvegica*, Norwegian whitlow grass;
- (28) *Dryopteris marginalis*, marginal shield fern;
- (29) *Eleocharis wolfii*, Wolf's spikerush;
- (30) *Elodea bifoliata*, two leaf waterweed;
- (31) *Empetrum atropurpureum*, purple crowberry;
- (32) *Empetrum nigrum*, black crowberry;
- (33) *Erigeron acris* var. *kamtschaticus*, bitter fleabane;
- (34) *Erythronium propullans*, dwarf trout lily;
- (35) *Escobaria vivipara*, ball cactus;
- (36) *Fimbristylis puberula* var. *interior*, hairy fimbry;
- (37) *Hasteola suaveolens*, sweet-smelling Indian plantain;
- (38) *Hybanthus concolor*, eastern green-violet;
- (39) *Hydrastis canadensis*, goldenseal;
- (40) *Iodanthus pinnatifidus*, purple rocket;
- (41) *Isoetes melanopoda*, prairie quillwort;
- (42) *Juglans cinerea*, butternut;
- (43) *Juncus articulatus*, jointed rush;
- (44) *Juncus marginatus*, marginated rush;
- (45) *Juncus subtilis*, slender rush;
- (46) *Lechea tenuifolia* var. *tenuifolia*, narrow-leaved pinweed;
- (47) *Listera auriculata*, auricled twayblade;
- (48) *Lysimachia maritima*, sea milkwort;
- (49) *Malaxis paludosa*, bog adder's mouth;
- (50) *Marsilea vestita*, hairy waterclover;
- (51) *Montia chamissoi*, montia;
- (52) *Osmorhiza berteroi*, Chilean sweet cicely;
- (53) *Oxytropis viscida*, sticky locoweed;
- (54) *Packera cana*, gray ragwort;
- (55) *Packera indecora*, elegant groundsel;

- (56) *Paronychia canadensis*, Canada forked chickweed;
- (57) *Paronychia fastigiata* var. *fastigiata*, forked chickweed;
- (58) *Parthenium integrifolium*, wild quinine;
- (59) *Phegopteris hexagonoptera*, broad beech fern;
- (60) *Physaria ludoviciana*, bladderpod;
- (61) *Platanthera praeclara*, western prairie fringed orchid;
- (62) *Polanisia jamesii*, James' polanisia;
- (63) *Polemonium occidentale* ssp. *lacustre*, western Jacob's ladder;
- (64) *Polygala cruciata*, cross-leaved milkwort;
- (65) *Polystichum acrostichoides*, Christmas fern;
- (66) *Potamogeton bicupulatus*, snailseed pondweed;
- (67) *Potamogeton confervoides*, algae-like pondweed;
- (68) *Potamogeton diversifolius*, diverse-leaved pondweed;
- (69) *Potamogeton oakesianus*, Oake's pondweed;
- (70) *Potamogeton pulcher*, spotted pondweed;
- (71) *Prosartes trachycarpa*, rough-fruited fairybells;
- (72) *Psoralidium tenuiflorum*, slender-leaved scurfpea;
- (73) *Rhodiola integrifolia* ssp. *leedyi*, Leedy's roseroot;
- (74) *Rubus missouricus*, Missouri dewberry;
- (75) *Rubus stipulatus*, bristle-berry;
- (76) *Sagina nodosa* ssp. *borealis*, knotty pearlwort;
- (77) *Sagittaria brevirostra*, short-beaked arrowhead;
- (78) *Saxifraga cernua*, nodding saxifrage;
- (79) *Scleria triglomerata*, tall nutrush;
- (80) *Selaginella selaginoides*, northern spikemoss;
- (81) *Stuckenia vaginata*, sheathed pondweed;
- (82) *Tofieldia pusilla*, small false asphodel;
- (83) *Tsuga canadensis*, eastern hemlock;
- (84) *Utricularia purpurea*, purple-flowered bladderwort;

(85) *Vaccinium uliginosum*, alpine bilberry; and

(86) *Xyris torta*, twisted yellow-eyed grass.

B. Threatened:

(1) *Achillea alpina*, Siberian yarrow;

(2) *Ammophila breviligulata* ssp. *breviligulata*, beachgrass;

(3) *Aristida tuberculosa*, seaside three-awn;

(4) *Arnica lonchophylla*, long-leaved arnica;

(5) *Arnoglossum plantagineum*, tuberous Indian plantain;

(6) *Arnoglossum reniforme*, great Indian plantain;

(7) *Asclepias amplexicaulis*, clasping milkweed;

(8) *Asclepias hirtella*, prairie milkweed;

(9) *Asclepias sullivantii*, Sullivant's milkweed;

(10) *Asplenium trichomanes* ssp. *trichomanes*, maidenhair spleenwort;

(11) *Aureolaria pedicularia*, fernleaf false foxglove;

(12) *Bacopa rotundifolia*, water hyssop;

(13) *Berula erecta*, stream parsnip;

(14) *Besseya bullii*, kitten-tails;

(15) *Bistorta vivipara*, alpine bistort;

(16) *Boechera retrofracta*, Holboell's rock cress;

(17) *Botrychium lanceolatum* ssp. *angustisegmentum*, narrow triangle moonwort;

(18) *Botrychium lunaria*, common moonwort;

(19) *Botrychium mormo*, goblin fern;

(20) *Botrychium oneidense*, blunt-lobed grapefern;

(21) *Callitriche heterophylla*, larger water starwort;

(22) *Cardamine pratensis*, cuckoo flower;

(23) *Carex conjuncta*, jointed sedge;

(24) *Carex davisii*, Davis' sedge;

(25) *Carex festucacea*, fescue sedge;

(26) *Carex garberi*, Garber's sedge;

- (27) *Carex jamesii*, James' sedge;
- (28) *Carex laevivaginata*, smooth-sheathed sedge;
- (29) *Carex laxiculmis*, loose-culmed sedge;
- (30) *Carex novae-angliae*, New England sedge;
- (31) *Carex rossii*, Ross' sedge;
- (32) *Carex sterilis*, sterile sedge;
- (33) *Crassula aquatica*, pygmyweed;
- (34) *Cyperus acuminatus*, short-pointed umbrella sedge;
- (35) *Cypripedium arietinum*, ram's head orchid;
- (36) *Deschampsia flexuosa*, slender hair grass;
- (37) *Desmodium cuspidatum* var. *longifolium*, big tick trefoil;
- (38) *Desmodium nudiflorum*, stemless tick trefoil;
- (39) *Diplazium pycnocarpon*, narrow-leaved spleenwort;
- (40) *Eleocharis flavescens* var. *olivacea*, olivaceous spikerush;
- (41) *Eleocharis robbinsii*, Robbins' spikerush;
- (42) *Eleocharis rostellata*, beaked spikerush;
- (43) *Erigeron lonchophyllus*, short ray fleabane;
- (44) *Eupatorium sessilifolium*, upland boneset;
- (45) *Floerkea proserpinacoides*, false mermaid;
- (46) *Gaylussacia baccata*, black huckleberry
- (47) *Hamamelis virginiana*, witch-hazel;
- (48) *Heteranthera limosa*, mud plantain;
- (49) *Hudsonia tomentosa*, beach heather;
- (50) *Huperzia porophila*, rock fir moss;
- (51) *Leersia lenticularis*, catchfly grass;
- (52) *Lespedeza leptostachya*, prairie bush clover;
- (53) *Luzula parviflora*, small-flowered woodrush;
- (54) *Melica nitens*, three-flowered melic;
- (55) *Minuartia dawsonensis*, rock sandwort;

- (56) *Moehringia macrophylla*, large-leaved sandwort;
- (57) *Napaea dioica*, glade mallow;
- (58) *Nymphaea leibergii*, small white waterlily;
- (59) *Orobanche fasciculata*, clustered broomrape;
- (60) *Orobanche ludoviciana* var. *ludoviciana*, Louisiana broomrape;
- (61) *Orobanche uniflora*, one-flowered broomrape;
- (62) *Phacelia franklinii*, Franklin's phacelia;
- (63) *Phemeranthus rugospermus*, rough-seeded fameflower;
- (64) *Piptatherum canadense*, Canadian ricegrass;
- (65) *Platanthera flava* var. *herbiola*, tubercled rein orchid;
- (66) *Poa paludigena*, bog bluegrass;
- (67) *Polystichum braunii*, Braun's holly fern;
- (68) *Rhynchospora capillacea*, hair-like beak rush;
- (69) *Rotala ramosior*, toothcup;
- (70) *Rubus chamaemorus*, cloudberry;
- (71) *Rubus fulleri*, bristle-berry;
- (72) *Rubus semisetosus*, swamp blackberry;
- (73) *Rudbeckia triloba* var. *triloba*, three-leaved coneflower;
- (74) *Sagittaria calycina* var. *calycina*, hooded arrowhead;
- (75) *Salicornia rubra*, red saltwort;
- (76) *Salix pellita*, satiny willow;
- (77) *Scleria verticillata*, whorled nutrush;
- (78) *Scutellaria ovata* var. *versicolor*, ovate-leaved skullcap;
- (79) *Shinnersoseris rostrata*, annual skeletonweed;
- (80) *Silene nivea*, snowy campion;
- (81) *Spiranthes casei* var. *casei*, Case's ladies' tresses;
- (82) *Subularia aquatica* ssp. *americana*, awlwort;
- (83) *Sullivantia sullivantii*, reniform sullivantia;
- (84) *Trichophorum clintonii*, Clinton's bullrush;

- (85) *Utricularia geminiscapa*, hidden-fruit bladderwort;
- (86) *Utricularia resupinata*, lavender bladderwort;
- (87) *Valeriana edulis* var. *ciliata*, edible valerian;
- (88) *Viola lanceolata* var. *lanceolata*, lance-leaf violet;
- (89) *Viola nuttallii*, yellow prairie violet;
- (90) *Vitis aestivalis* var. *bicolor*, silverleaf grape;
- (91) *Woodsia alpina*, alpine woodsia;
- (92) *Woodsia glabella*, smooth woodsia; and
- (93) *Woodsia scopulina* ssp. *laurentiana*, Rocky Mountain woodsia.

C. Of special concern:

- (1) *Adlumia fungosa*, Allegheny vine;
- (2) *Alisma gramineum*, narrow-leaved water plantain;
- (3) *Allium cernuum*, nodding wild onion;
- (4) *Androsace septentrionalis*, northern androsace;
- (5) *Antennaria parvifolia*, small-leaved pussytoes;
- (6) *Arabis laevigata* var. *laevigata*, smooth rock cress;
- (7) *Arisaema dracontium*, green dragon;
- (8) *Aristida purpurea* var. *longiseta*, red three-awn;
- (9) *Asplenium platyneuron*, ebony spleenwort;
- (10) *Astragalus flexuosus* var. *flexuosus*, slender milk-vetch;
- (11) *Astragalus missouriensis* var. *missouriensis*, Missouri milk-vetch;
- (12) *Avenula hookeri*, spike oat;
- (13) *Baptisia bracteata* var. *glabrescens*, plains wild indigo;
- (14) *Baptisia lactea* var. *lactea*, white wild indigo;
- (15) *Bidens discoidea*, discoid beggarticks;
- (16) *Botrychium acuminatum*, tailed grapefern;
- (17) *Botrychium campestre*, prairie moonwort;
- (18) *Botrychium minganense*, Mingan moonwort;
- (19) *Botrychium pallidum*, pale moonwort;

- (20) *Botrychium rugulosum*, St. Lawrence grapefern;
- (21) *Botrychium simplex*, least moonwort;
- (22) *Buchloe dactyloides*, buffalo grass;
- (23) *Calamagrostis lacustris*, narrow reedgrass;
- (24) *Calamagrostis montanensis*, Plains reedgrass;
- (25) *Carex annectens*, yellow-fruit sedge;
- (26) *Carex exilis*, coastal sedge;
- (27) *Carex flava*, yellow sedge;
- (28) *Carex grayi*, Gray's sedge;
- (29) *Carex hallii*, Hall's sedge;
- (30) *Carex hookerana*, Hooker's sedge;
- (31) *Carex media*, intermediate sedge;
- (32) *Carex michauxiana*, Michaux's sedge;
- (33) *Carex muskingumensis*, Muskingum sedge;
- (34) *Carex obtusata*, blunt sedge;
- (35) *Carex ormostachya*, necklace sedge;
- (36) *Carex praticola*, prairie-dweller sedge;
- (37) *Carex scirpoidea*, northern single-spike sedge;
- (38) *Carex typhina*, cattail sedge;
- (39) *Carex xerantica*, dry sedge;
- (40) *Chamaesyce missurica*, Missouri spurge;
- (41) *Cirsium pumilum* var. *hillii*, Hill's thistle;
- (42) *Cladium mariscoides*, twig rush;
- (43) *Crataegus calpodendron*, late hawthorn;
- (44) *Crataegus douglasii*, black hawthorn;
- (45) *Crotalaria sagittalis*, rattlebox;
- (46) *Cymopterus glomeratus*, plains spring parsley;
- (47) *Cypripedium candidum*, small white lady's slipper;
- (48) *Dalea candida* var. *oligophylla*, western white prairie clover;



- (49) *Decodon verticillatus*, water willow;
- (50) *Deparia acrostichoides*, silvery spleenwort;
- (51) *Desmanthus illinoensis*, prairie mimosa;
- (52) *Dicentra canadensis*, squirrel corn;
- (53) *Draba arabisans*, Arabian whitlow grass;
- (54) *Drosera anglica*, English sundew;
- (55) *Drosera linearis*, linear-leaved sundew;
- (56) *Dryopteris goldiana*, Goldie's fern;
- (57) *Elatine triandra*, three-stamened waterwort;
- (58) *Eleocharis coloradoensis*, dwarf spikerush;
- (59) *Eleocharis nitida*, neat spikerush;
- (60) *Eleocharis quinqueflora*, few-flowered spikerush;
- (61) *Eryngium yuccifolium*, rattlesnake master;
- (62) *Euphrasia hudsoniana* var. *ramosior*, Hudson Bay eyebright;
- (63) *Fimbristylis autumnalis*, autumn fimbry;
- (64) *Gaillardia aristata*, blanket flower;
- (65) *Gentiana affinis*, northern gentian;
- (66) *Gentianella amarella*, felwort;
- (67) *Gymnocarpium robertianum*, northern oak fern;
- (68) *Gymnocladus dioica*, Kentucky coffee tree;
- (69) *Helianthemum canadense*, Canada frostweed;
- (70) *Helianthus nuttallii* ssp. *rydbergii*, Nuttall's sunflower;
- (71) *Huperzia appalachiana*, Appalachian fir moss;
- (72) *Hydrocotyle americana*, American water-pennywort;
- (73) *Jeffersonia diphylla*, twinleaf;
- (74) *Juncus stygius* var. *americanus*, bog rush;
- (75) *Juniperus horizontalis*, creeping juniper;
- (76) *Limosella aquatica*, mudwort;
- (77) *Listera convallarioides*, broad-leaved twayblade;

- (78) *Littorella americana*, American shore plantain;
- (79) *Lysimachia quadrifolia*, whorled loosestrife;
- (80) *Malaxis monophyllos* var. *brachypoda*, white adder's mouth;
- (81) *Muhlenbergia uniflora*, one-flowered muhly;
- (82) *Myriophyllum heterophyllum*, broadleaf watermilfoil;
- (83) *Najas gracillima*, slender naiad;
- (84) *Najas guadalupensis* ssp. *olivacea*, southern naiad;
- (85) *Najas marina*, sea naiad;
- (86) *Nuttallanthus canadensis*, old field toadflax;
- (87) *Oenothera rhombipetala*, rhombic evening primrose;
- (88) *Opuntia macrorhiza*, devil's tongue;
- (89) *Osmorhiza depauperata*, blunt-fruited sweet cicely;
- (90) *Panax quinquefolius*, American ginseng;
- (91) *Pellaea atropurpurea*, purple cliff brake;
- (92) *Persicaria careyi*, Carey's smartweed;
- (93) *Phlox maculata*, wild sweet William;
- (94) *Pinguicula vulgaris*, butterwort;
- (95) *Plagiobothrys scouleri* var. *penicillatus*, Scouler's popcornflower;
- (96) *Plantago elongata*, slender plantain;
- (97) *Platanthera clavellata*, small green wood orchid;
- (98) *Poa wolfii*, Wolf's bluegrass;
- (99) *Polytaenia nuttallii*, prairie parsley;
- (100) *Pyrola minor*, small shinleaf;
- (101) *Quercus bicolor*, swamp white oak;
- (102) *Ranunculus lapponicus*, Lapland buttercup;
- (103) *Rorippa sessiliflora*, sessile-flowered yellow cress;
- (104) *Rubus multiflorus*, Kinnickinnick dewberry;
- (105) *Rubus quaesitus*, Prince Edward Island blackberry;
- (106) *Rubus vermontanus*, Vermont blackberry;

- (107) *Ruellia humilis*, wild petunia;
- (108) *Ruppia cirrhosa*, spiral ditchgrass;
- (109) *Salix maccalliana*, McCalla's willow;
- (110) *Salix pseudomonticola*, false mountain willow;
- (111) *Sanicula trifoliata*, beaked snakeroot;
- (112) *Saxifraga paniculata*, encrusted saxifrage;
- (113) *Schedonnardus paniculatus*, tumble grass;
- (114) *Shepherdia canadensis*, soapberry;
- (115) *Silene drummondii* ssp. *drummondii*, Drummond's campion;
- (116) *Solidago mollis*, soft goldenrod;
- (117) *Stellaria longipes* ssp. *longipes*, long-stalked chickweed;
- (118) *Symphotrichum shortii*, Short's aster;
- (119) *Taenidia integerrima*, yellow pimpernel;
- (120) *Tephrosia virginiana*, goat's rue;
- (121) *Thaspium barbinode*, hairy-jointed meadow-parsnip;
- (122) *Torreyochloa pallida*, Torrey's mannagrass;
- (123) *Trillium nivale*, snow trillium;
- (124) *Triplasis purpurea* var. *purpurea*, purple sandgrass;
- (125) *Trisetum spicatum*, spike trisetum;
- (126) *Verbena simplex*, narrow-leaved vervain;
- (127) *Waldsteinia fragarioides* var. *fragarioides*, barren strawberry;
- (128) *Woodsia oregana* ssp. *cathcartiana*, Oregon woodsia;
- (129) *Xanthisma spinulosum* var. *spinulosum*, cutleaf ironplant; and
- (130) *Xyris montana*, montane yellow-eyed grass.

**Statutory Authority:** *MS s 84.0895*

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