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Flowering Plants of Black Hawk County, Iowa

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FLOWERING PLANTS OF BLACK HAWK COUNTY,
IOWA

MYRLE MARIE JULIANA BURK

In Black Hawk County, Iowa, the rolling prairies of Iowan drift, the valley of the Red Cedar River, varying in its physiographic features from loess bluffs to low sandy flood plains with numerous "lakes" and swamps, remnants of old oxbows, and the valley of the Wapsipinicon River which are favorable to the development of several types of plant associations, present a rich flora.

The high and precipitous bluffs, covered with an impure loess, which form the banks of the Cedar River near Cedar Falls and Cedar Heights support the climax association, red oak-basswood forest. Sugar maples are gaining a foothold on the sides of the numerous deep, narrow ravines of these bluffs. On the sandy plains of the river valley, *Cenchrus pauciflorus* Benth., *Polanisia graveolens* Raf. and *Strophostyles pauciflora* (Benth.) S. Wats. are the first invaders. On the older more advanced parts of the plain, *Juniperus virginiana* is encroaching so rapidly that the land is worthless for pasturage within a few years.

In such areas of virgin prairie which have been preserved, grasses and sedges are dominant. *Spartina michauxiana* Hitchc., *Poa palustris* L., *Agrostis palustris* Huds., *Panicularia nervata* (Willd.) Kuntze, *Carex lanuginosa* Michx. and *C. stricta* Lam. are dominant in the sloughs and low prairies. On the higher prairies *Andropogon furcatus* Muhl., *Sorghastrum nutans* (L.) Nash, *Panicum virgatum* L., *Elymus canadensis* L., *Carex scoparia* Schkuhr., and *C. festucacea* Schkuhr. are most conspicuous. On the sandy high prairies bordering the Cedar River Valley *Bouteloua curtipendula* (Michx.) Torr., *B. hirsuta* Lag., and *Paspalum stramineum* Nash are found. The late summer aspect is a glory of *Asterales*; *Helianthus*, *Aster*, *Erigeron*, *Lacinaria*, *Solidago*, and *Eupatorium*.

Alismaceae

<i>Alisma subcordatum</i> Raf.	<i>Sagittaria latifolia</i> Willd.
	<i>Sagittaria longirostra</i> (Micheli)
<i>Sagittaria brevirostra</i> Mack. & Bush.	J. G. Smith
<i>Sagittaria rigida</i> Pursh	<i>Sagittaria cuneata</i> Sheldon
<i>Sagittaria graminea</i> Michx.	

Typhaceae

Typha latifolia L.

Sparganiaceae

Sparganium eurycarpum Engelm.

Liliaceae

Anticlea elegans (Pursh) Rydb.

Vagnera racemosa (L.) Morong.

Vagnera stellata (L.) Morong.

Melanthium virginicum L.

Uvularia grandiflora J. E. Smith

Uvularia sessilifolia L.

Allium tricoccum Ait.

Allium canadense L.

Polygonatum commutatum (R. & S.)

Dietr.

Lilium umbellatum Pursh.

Lilium canadense L.

Lilium superbum L.

Trillium declinatum (A. Gray)

Gleason

Erythronium albidum Nutt.

Smilax herbacea L.

Asparagus officinalis L.

Smilax ecirrhata (Engelm.)

S. Wats.

Smilax hispida Muhl.

Commelinaceae

Tradescantia bracteata Small

Tradescantia reflexa Raf.

Tradescantia virginiana L.

Juncaceae

Juncus dudleyi Wiegand

Juncus nodosus L.

Juncus tenuis Willd.

Juncus torreyi Coville

Juncus interior Wiegand

Juncus brachycarpus Engelm.

Araceae

Arisaema triphyllum (L.) Torr.

Acorus calamus L.

Arisaema dracontium (L.) Schott.

Lemnaceae

Lemna trisulca L.

Lemna minor L.

Cyperaceae

Carex sartwellii Dewey

Cyperus diandrus Torr.

Carex rosea Schkuhr.

Cyperus inflexus Muhl.

Carex gravida Bailey

Cyperus schweinitzii Torr.

Carex annectens Bicknell

Cyperus esculentus L.

Carex stipata Muhl.

Syperus erythrorhizos Muhl.

Carex scoparia Schkuhr.

Cyperus filiculmis Vahl.

Carex tribuloides Wahl.

Cyperus strigosus L.

Carex festucacea Schkuhr.

Eleocharis macrostachya Britton

Carex granularis Muhl.

Eleocharis palustris (L.) R. & S.

Carex formosa Dewey

Eleocharis wolfii A. Gray

Carex stricta Lam.

Eleocharis tenuis (Willd.)

Carex lacustris Willd.

Schultes

Carex lanuginosa Michx.

Carex atherodes Spreng.

Scirpus validus Vahl.

Carex hystricina Muhl.

Carex asa-grayi Bailey	Scirpus occidentalis (S. Wats.) Chase
Carex lupulina Muhl.	Scirpus fluviatilis (Torr.) A. Gray
Carex vulpinoidea Michx.	Scirpus lineatus Michx. Scirpus cyperinus (L.) Kunth. Scirpus atrovirens Muhl.
<i>Poaceae</i>	
Bromus tectorum L.	Calamagrostis canadensis (Michx.) Beauv.
Bromus purgans L.	
Bromus inermis Leyss	Agrostis palustris Huds.
Bromus kalmii A. Gray.	Agrostis schweinitzii Trin.
Festuca nutans Willd.	Agrostis hyemalis (Walt.) B. S. P.
Panicularia nervata (Willd.) Kuntze	Phleum pratense L.
Panicularia grandis (S. Wats.) Nash	Sporobolus vaginaeflorus Torr. Sporobolus asper (Michx.) Kunth.
Poa palustris L.	Brachyelytrum erectum (Schreb.) Beauv.
Poa pratensis L.	
Eragrostis purshii Schrad.	Stipa spartea Trin.
Eragrostis major Host.	
Eragrostis pectinacea (Michx.) Steud.	Spartina michauxiana Hitchc.
Eragrostis hypnoides (Lam.) B. S. P.	Bouteloua hirsuta Lag. Bouteloua curtipendula (Michx.) Torr.
Diarina festucoides Raf.	
Dactylis glomerata L.	Phalaris arundinacea L.
Agropyron repens (L.) Beauv.	Zizania aquatica L.
Agropyron smithii Rydb.	
Secale cereale L.	Homalocenchrus virginicus (Willd.) Britton
Elymus jejunus (Ramaley) Rydb.	Homalocenchrus oryzoides (L.) Poll.
Elymus virginicus L.	Syntherisma sanguinale (L.) Dulac.
Elymus hirsutiglumis Scribn.	
Elymus canadensis L.	Paspalum stramineum Nash
Elymus arkansanus Scribn. & Ball	
Hystrix patula Moench.	Panicum dichotomiflorum Michx. Panicum capillare L. Panicum virgatum L.
Hordeum jubatum L.	Panicum implicatum Scribn. Panicum scribnerianum Nash

- | | |
|---|--|
| Sphenopholis obtusata (Michx.)
Scribn. | Echinochloa crus-galli (L.)
Beauv. |
| | Chaetochloa lutescens (Weigel)
Stuntz |
| | Chaetochloa viridis (L.)
Scribn. |
| | Cenchrus pauciflorus Benth. |
| | Andropogon scoparius Michx.
Andropogon furcatus Muhl. |
| | Sorghastrum nutans (L.) Nash |

Amaryllidaceae

- Hypoxis hirsuta (L.) Coville

Iridaceae

- | | |
|--------------------|------------------------------------|
| Iris versicolor L. | Sisyrinchium campestre
Bicknell |
|--------------------|------------------------------------|

Orchidaceae

- | | |
|---|---|
| Cypripedium candidum Willd. | Blephariglottis leucophaea
(Nutt.) Farwell |
| Galeorchis spectabilis (L.) Rydb. | Aplectrum hyemale (Muhl.)
Torr. |
| Coeloglossum bracteatum (Willd.)
Parl. | |

Ranunculaceae

- | | |
|------------------------------------|---|
| Caltha palustris L. | Syndesmon thalictroides (L.)
Hoffmg. |
| Isopyrum biternatum (Raf.) T. & G. | Pulsatilla patens (L.) Mill |
| Actaea rubra (Ait.) Willd. | Ranunculus purshii Richards |
| Actaea alba (L.) Mill. | Ranunculus abortivus L. |
| Aquilegia canadensis L. | Ranunculus pennsylvanicus L. f. |
| | Ranunculus septentrionalis Poir. |
| | Ranunculus ovalis Raf. |
| Delphinium penardi Huth | |
| Anemone caroliniana Walt. | Thalictrum dasycarpum Fisch.
and Lall. |
| Anemone cylindrica A. Gray | Thalictrum polygamum Muhl. |
| Anemone virginiana L. | |
| Anemone canadensis L. | |
| Anemone quinquefolia L. | Clematis virginiana L. |
| Hepatica acutiloba DC | Viorna pitcheri (T. & G.)
Britton |
| Hepatica hepatica (L.) Karst. | |

Nymphaeaceae

- | | |
|---|------------------------|
| Castalia odorata (Dryand.)
Woodv. & Wood | Nymphaea advena Soland |
|---|------------------------|

Berberidaceae

- Berberis vulgaris L. Caulophyllum thalictroides
(L.) Michx.
• Podophyllum peltatum L.

Menispermaceae

- Menispermum canadense L.

Malvaceae

- Malva rotundifolia L. Abutilon abutilon (L.) Rusby
Napaea dioica L. Hibiscus trionum L.

Tiliaceae

- Tilia americana L.

Ulmaceae

- Ulmus americana L. Celtis occidentalis L.
Ulmus fulva Michx.
Ulmus thomasi Sarg.

Moraceae

- Toxylon pomiferum Raf. Cannabis sativa L.
Humulus lupulus L.

Urticaceae

- Urtica dioica L. Pilea pumila (L.) A. Gray
Urtica gracilis Ait. Boehmeria cylindrica (L.) Sw.
Urticastrum divaricatum (L.)
Kuntze

Geraniaceae

- Geranium maculatum L. Geranium carolinianum L.

Oxalidaceae

- Ionoxalis violacea (L.) Small Xanthoxalis stricta (L.)
Small
Xanthoxalis corniculata (L.)
Small

Linaceae

- Cathartolinum sulcatum
(Riddell) Small

Balsaminaceae

- Impatiens biflora Walt. Impatiens pallida Nutt.

Rutaceae

- Xanthoxylum americanum Mill. Ptelea trifoliata L.

Polygaceae

- Polygala viridescens L. Polygala incarnata L.

Euphorbiaceae

- | | |
|--|--|
| Acalypha virginica L. | Tithymalopsis corollata (L.)
Kl. & Garcke |
| Chamaesyce serpyllifolia (Pers.)
Small | Tithymalus cyparissias (L.) Hill |
| Chamaesyce glyptosperma (Engelm.)
Small | Poinsettia dentata (Michx.) Small |
| Chamaesyce maculata (L.) Small | |
| Chamaesyce preslii (Guss.) Arthur | |

Cistaceae

- Crocanthemum majus (L.) Britton

Guttiferaceae

- | | |
|----------------------------|---|
| Hypericum ascyron L. | Hypericum boreale (Britton)
Bicknell |
| Hypericum cistofolium Lam. | |
| Hypericum ellipticum Hook. | Hypericum majus (A. Gray)
Bicknell |
| | Hypericum canadense L. |

Violaceae

- | | |
|--------------------------|----------------------------|
| Viola pedata L. | Viola fimbriatula E. Smith |
| Viola papilionacea Pursh | Viola pedatifida Don. |
| Viola sororia Willd. | Viola eriocarpa Schwein. |
| Viola affinis Le Conte | Viola pubescens Ait. |

Papaveraceae

- | | |
|-----------------------------------|--|
| Sanguinaria canadensis L. | Bicuculla canadensis (Goldie)
Millsp. |
| Bicuculla cucullaria (L.) Millsp. | Capnoides crystallinum (Engelm.)
Kuntze |

Brassicaceae

- | | |
|------------------------------------|---|
| Draba caroliniana Walt. | Cheirinia cheiranthoides (L.) Link |
| Berteroa incana (L.) DC | Norta altissima (L.) Britton |
| Radicula sylvestris (L.) Druce | Iodanthus pinnatifidus (Michx.)
Steud. |
| Radicula sinuata (Nutt.) Greene | |
| Radicula palustris (L.) Moench. | Arabis canadensis L. |
| Sisymbrium nasturtium-aquaticum L. | Arabis virginica (L.) Trelease |
| | Arabis dentata T. & G. |
| Erysimum officinale L. | Cardamine bulbosa (Schreb.) B. S. P. |
| Lepidium campestre (L.) R. Br. | Cardamine pennsylvanica Muhl. |
| Lepidium virginicum L. | |
| Lepidium apetalum Willd. | |
| Thlaspi arvense L. | Dentaria laciniata Muhl. |

1931] FLOWERING PLANTS OF BLACK HAWK COUNTY 141

Sophia pinnata (Dalt.) Howell

Sinapis arvensis L.

Raphanus raphanistrum L.

Capparidaceae

Polanisia graveolens Raf.

Caryophyllaceae

Alsine media L.

Silene stellata (L.) Ait.

Alsine longifolia (Muhl.) Britton

Silene alba Muhl.

Silene latifolia (Mill.)

Cerastium vulgatum L.

Britton & Rendle

Silene antirrhina L.

Moehringia lateriflora (L.) Fenzl.

Lychnis alba Mill.

Saponaria officinalis L.

Portulacaceae

Claytonia virginica L.

Aizoaceae

Mollugo verticillata L.

Salicaceae

Populus alba L.

Salix nigra Marsh

Populus grandidentata Michx.

Salix amygdaloides Anders.

Populus tremuloides Michx.

Salix longifolia Muhl.

Populus deltoides Marsh

Salix cordata Muhl.

Salix candida Fluegge

Salix discolor Muhl.

Amaranthaceae

Amaranthus retroflexus L.

Amaranthus torreyi (A. Gray)

Amaranthus blitoides S. Wats.

Benth.

Amaranthus graecizans L.

Acnida tuberculata Moq.

Chenopodiaceae

Chenopodium album L.

Cycloloma atriplicifolium

Chenopodium boscianum Moq.

(Spreng.) Coult.

Chenopodium hybridum L.

Salsola pestifer A. Nelson

Polygonaceae

Rumex acetosella L.

Persicaria amphibia (L.) S. F. Gray

Rumex verticillatus L.

Persicaria muhlenbergii (S. Wats.)

Rumex altissimus Wood

Small

Rumex patientia L.

Persicaria lapathifolia (L.)

Rumex britannica L.

S. F. Gray

Rumex crispus L.

Persicaria pennsylvanica (L.)

Rumex obtusifolius L.

Small

Persicaria persicaria (L.) Small

- | | |
|-------------------------------|----------------------------------|
| Polyganum aviculare L. | Persicaria punctata (Ell.) Small |
| Polyganum erectum L. | |
| Polyganum ramosissimum Michx. | Fagopyrum fagopyrum (L.) Karst |
| Polyganum tenue Michx. | |
| Polyganum douglasii Greene | Tracaulon sagittatum (L.) Small |

Tiniaria convolvulus (L.)
Webb. & Moq.

Nyctaginaceae

Allionia nyctaginea Michx.

Pyrolaceae

Pyrola elliptica Nutt.

Primulaceae

Androsace occidentalis Pursh

Steironema ciliatum (L.) Raf.
Steironema lanceolatum (Walt.)

Lysimachia nummularia L.

A. Gray
Steironema quadrifolium (Sims.)
Hitcch.

Dodecatheon meadia L.

Plantaginaceae

Plantago major L.
Plantago rugelii Dcne.

Plantago lanceolata L.
Plantago purshii R. & S.

Oleaceae

Fraxinus americans L.
Fraxinum pennsylvanica Marsh

Fraxinus pennsylvanica var. lanceolata (Borck.) Sarg.
Fraxinus nigra Marsh

Gentianaceae

Gentiana quinquefolia L.

Dasystephana andrewsii (Griseb.)
Small
Dasystephana flavida (A. Gray)
Britton

Apocynaceae

Apocynum androsaemifolium L.
Apocynum cannabinum L.

Apocynum sibiricum Jacq.

Asclepiadaceae

Asclepias tuberosa L.
Asclepias purpurascens L.
Asclepias incarnata L.
Asclepias amplexicaulis J. E. Smith
Asclepias meadii Torr.

Asclepias syriaca L.
Asclepias verticillata L.
Acerates viridiflora (Raf.) Eaton
Acerates floridana (Lam.)
A. S. Hitcch.

Polemoniaceae

Phlox maculata L.
Phlox pilosa L.
Phlox divaricata L.

Phlox bifida Beck.
Polemonium reptans L.

Convolvulaceae

- | | |
|-------------------------|-----------------------------|
| Convolvulus sepium L. | Cuscuta polygonorum Engelm. |
| Convolvulus arvensis L. | Cuscuta gronovii Willd. |
| | Cuscuta cuspidata Engelm. |

Hydrophyllaceae

- | | |
|------------------------------------|--------------------------------|
| Hydrophyllum virginianum L. | Nyctelea nyctelea (L.) Britton |
| Hydrophyllum appendiculatum Michx. | |

Boraginaceae

- | | |
|--------------------------------|---|
| Lappula virginiana (L.) Greene | Lithospermum carolinense (Walt.)
Macm. |
| Mertensia virginica (L.) DC. | Lithospermum canescens (Michx.)
Lehm. |
| | Lithospermum linearifolium Goldie |
| Myosotis micrantha Pall. | Onosmodium hispidissimum
MacKenzie |

Solanaceae

- | | |
|--|----------------------------|
| Physalis pruinosa L. | Physalis heterophylla Nees |
| Physalis barbadensis Jacq. | |
| Physalis subglabrata MacKenzie
and Bush | Solanum nigrum L. |
| | Solanum carolinense L. |
| Physalis lanceolata Michx. | Solanum rostratum Dunal |

Scrophulariaceae

- | | |
|---------------------------------|--|
| Verbascum thapsus L. | Leptrandra virginica (L.) Nutt. |
| Linaria linaria (L.) Karst. | Agalinis purpurea (L.) Britton |
| | Agalinis tenuifolia (Vahl.) Raf. |
| Scrophularia marylandica L. | |
| Scrophularia leporella Bicknell | Otophylla auriculata (Michx.)
Small |
| Penstemon grandiflorus Nutt. | |
| | Castilleja coccinea (L.) Spreng. |
| Mimulus ringens L. | |
| | Pedicularis lanceolata Michx. |
| Gratiola virginiana L. | Pedicularis canadensis L. |

Synthyris bullii (Eaton) Heller

Veronica xalapensis H. B. K.

Martyniaceae

Martynia louisiana Mill.

Phrymaceae

Phryma leptostachya L.

Verbenaceae

- | | |
|-----------------------------|--------------------------|
| Verbena urticifolia L. | Verbena stricta Vent. |
| Verbena hastata L. | Verbena bracteosa Michx. |
| Verbena angustifolia Michx. | |
| | Lippia lanceolata Michx. |

Lamiaceae

Teucrium canadense L.	Leonurus cardiaca L.
Isanthus brachiatus (L.) B. S. P.	Stachys arenicola Britton
Scutellaria lateriflora L.	Stachys palustris L.
Scutellaria integrifolia L.	Stachys tenuifolia Willd.
Scutellaria parvula Michx.	Monarda mollis L.
Agastache nepetoides (L.) Kuntze	Hedeoma hispida Pursh
Agastache scrophulariaefolia (Willd.) Kuntze	Koellia flexuosa (Walt.) MacM.
Nepeta cataria L.	Lycopus virginicus L.
	Lycopus uniflorus Michx.
	Lycopus americanus Muhl.
Glecoma hederacea L.	Lycopus asper Greene
Prunella vulgaris L.	Mentha canadensis L.
Dracocephalum denticulatum Ait.	
Dracocephalum nuttallii Britton	

Rosaceae

Opulaster opulifolius (L.) Kuntze	Agrimonia gryposepala Wallr.
	Agrimonia rostellata Wallr.
Spiraea alba DuRoi	Geum virginianum L.
Potentilla canadensis L.	Geum canadense Jacq.
Potentilla monospeliensis L.	Sieversia ciliata (Pursh) Rydb.
Fragaria grayana Vilmorin	
Fragaria americana (Porter) Britton	Rubus occidentalis L.
Drymocallis agrimonioides (Pursh) Rydb.	Rosa blanda Ait.
	Rosa pratincola Greene
	Rosa woodsii Lindl.

Malaceae

Malus ioensis (Wood) Britton	Crataegus pertomentosa Ashe
	Crataegus coccinea L.
Amelanchier canadensis (L.) Medic.	
Amelanchier intermedia Spach.	

Prunaceae

Prunus americana Marsh	Prunus virginiana L.
Prunus pennsylvanica L. f.	Prunus serotina Ehrh.

Mimosaceae

Acuan illinoensis (Michx.) Kuntze

Cassiaceae

Chamaecrista fasciculata (Michx.) Greene	Gleditsia triacanthos L.
	Gymnocladus dioica (L.) Koch

Fabaceae

Baptisia bracteata Ell.	Geoprumnon crassicarpum (Nutt.)
Baptisia leucantha T. & G.	Rydb.
Medicago sativa L.	Astragalus carolinianus L.
Medicago lupulina L.	Astragalus distortus T. & G.
Melilotus alba Desv.	Meibomia grandiflora (Walt.)
Melilotus officinalis (L.) Lam.	Kuntze
	Meibomia bracteosa (Michx.)
	Kuntze
Trifolium procumbens L.	Meibomia canadensis (L.)
Trifolium pratense L.	Kuntze
Trifolium hybridum L.	
Trifolium repens L.	Lespedeza capitata Michx.
Psoralea argophylla Pursh	
	Vicia cracca L.
Amorpha fruticosa L.	Vicia americana Muhl.
Amorpha canescens Pursh	Vicia angustifolia L.
Petalostemum candidum (Willd.)	Lathyrus venosus Muhl.
Michx.	
Petalostemum purpureum (Vent.)	Falcata pitcheri (T. & G.)
Rydb.	Kuntze
Petalostemum villosum Nutt.	
	Strophostyles pauciflora
Robinia pseudoacacia L.	(Benth.) S. Wats.

Saxifragaceae

Parnassia caroliniana Michx.	Ribes Americanum Mill.
	Ribes lacustre (Pers.) Poir.
Micranthes pennsylvanica (L.) Haw.	Grossularia cynosbati (L.) Mill.
Heuchera hispida Pursh	Grossularia missouriensis (Nutt.)
	Cov. & Britt.
Mitella diphylla L.	

Crassulacae

Penthorum sedoides L.

Lythraceae

Ammannia coccinea Rottb. Lythrum alatum Pursh

Onagraceae

Ludwigia polycarpa Short & Peter	Raimannia rhombipetala (Nutt.) Rose
Epilobium adenocaulon Haussk	Meriolix serrulata (Nutt.) Walp.

Oenothera biennis L.
Oenothera muricata L.

Aristolochiaceae

Asarum canadense L. Asarum acuminatum (Ashe)
Asarum reflexum Bicknell Bicknell

Cucurbitaceae

Micrampelis lobata (Michx.) Greene

Rhamnaceae

Ceanothus americanus L.

Vitaceae

Vitis vulpina L.

Parthenocissus quinquefolia

Vitis palmato Vahl.

(L.) Planch.

Vitis cordifolia Michx.

Celastraceae

Euonymus atropurpureus Jacq.

Celastrus scandens L.

Staphyleaceae

Staphylea trifolia L.

Santalaceae

Comandra umbellata (L.) Nutt.

Aceraceae

Acer saccharinum L.

Acer nigrum Michx.

Acer saccharum Marsh

Acer negundo L.

Anacardiaceae

Rhus glabra L.

Toxicodendron radicans (L.)

Kuntze

Juglandaceae

Juglans nigra L.

Hicoria cordiformis (Wang.)

Juglans cinerea L.

Britton

Hicoria ovata (Mill.) Britton

Betulaceae

Betula nigra L.

Ostrya virginiana (Mill.)

Willd.

Corylus americana Walt.

Fagaceae

Quercus rubra L.

Quercus alba L.

Quercus ellipsoidalis E. J. Hill

Quercus macrocarpa Michx.

Quercus velutina Lam.

Quercus bicolor Willd.

Araliaceae

Aralia racemosa L.

Aralia nudicaulis L.

Apiaceae

Eryngium aquaticum L.

Pastinaca sativa L.

Sanicula marylandica L.

Heracleum lanatum Michx.

Sanicula canadensis L.

Sanicula gregaria Bicknell

Zizia cordata (Walt.) DC.

Zizia aurea (L.) Koch.

Daucus carota L.

Cynosciadium pinnatum DC.

Washingtonia claytoni (Michx.) Britton	Sium cicutaefolium Schrank.
Washingtonia longistylis (Torr.) Britton	Cicuta maculata L.
Chaerophyllum procumbens (L.) Crantz.	Carum carui L.
Deringa canadensis (L.) Kuntze	Taenidia integerrima (L.) Drude
Pleiotaenia nuttallii (DC) Coul. & Rose	

Cornaceae

Cornus amomum Mill.	Cornus asperifolia Michx.
Cornus femina Mill.	Cornus alternifolia L. f.

Rubiaceae

Houstonia minima Beck	Galium boreale L.
Cephalanthus occidentalis L.	Galium tinctorium L.
Galium aparine L.	Galium claytoni Michx.
	Galium concinnum Torr. & Gray
	Galium asprellum Michx.

Caprifoliaceae

Sambucus canadensis L.	Triosteum perfoliatum L.
Viburnum dentatum L.	Lonicera dioica L.
Viburnum lentago L.	

Valerianaceae

Valeriana edulis Nutt.

Campanulaceae

Campanula aparinoides Pursh	Specularia perfoliata (L.) A. DC.
Campanula americana L.	

Lobeliaceae

Lobelia cardinalis L.	Lobelia spicata Lam.
Lobelia syphilitica L.	

Asteraceae

Silphium perfoliatum L.	Erigeron philadelphicus L.
Silphium integrifolium Michx.	Erigeron annuus (L.) Pers.
Silphium laciniatum L.	Erigeron ramosus (Walt.) B. S. P.
Parthenium integrifolium L.	Leptilon divaricatum (Michx.) Raf.
Heliopsis scabra Dunal	Leptilon canadense (L.) Britton
Rudbeckia triloba L.	Doellingeria humilus (Willd.) Britton
Rudbeckia subtomentosa Pursh	
Rudbeckia hirta L.	Vernonia fasciculata Michx.

Ratibida pinnata (Vent.) Barnhart	Eupatorium bruneri A. Gray
Echinacea pallida (Nutt.) Britton	Eupatorium purpureum L.
Helianthus petiolaris Nutt.	Eupatorium perfoliatum L.
Helianthus grosse-serratus Martens	Eupatorium urticaefolium Reichard
Helianthus giganteus L.	Kuhnia eupatorioides L.
Helianthus scaberrimus Ell.	Lacinaria scariosa (L.) Hill
Helianthus doronicoides Lam.	Lacinaria pycnostachya (Michx.)
Helianthus strumosus L.	Kuntze
Helianthus tuberosus L.	Achillea millefolium L.
Helianthus divaricatus L.	Anthemis cotula L.
Coreopsis palmata Nutt.	Chrysanthemum leucanthemum L.
Bidens laevis (L.) B.S.P.	Tanacetum vulgare L.
Bidens cernua L.	Artemisia dracunculoides Pursh
Bidens vulgata Greene	Artemisia serrata Nutt.
Ambrosia trifida L.	Artemisia gnaphalodes Nutt.
Ambrosia elatior L.	Mesadenia tuberosa Nutt.
Ambrosia psilostachya DC.	Senecio plattensis Nutt
Xanthium echinatum Murr.	Cirsium undulatum (Nutt.)
Helenium autumnale L.	Spreng.
Antennaria neodioica Greene	Cirsium lanceolatum (L.) Hill
Grindelia squarrosa (Pursh) Dunal	Cirsium discolor (Muhl.) Spreng.
Solidago juncea Ait.	Arctium minus Schk.
Solidago canadensis L.	Cichorium intybus L.
Solidago glaberrima Martens	Euthamia graminifolia (L.) Nutt.
Solidago altissima L.	Boltonia asteroides (L.) L'Her.
Solidago nemoralis Ait.	Cynthia virginica (L.) D. Don
Solidago mollis Bartl.	Tragopogon pratensis L.
Solidago rigida L.	Leontodon taraxacum L.
Solidago riddellii Frank	Sonchus oleraceus L.
Euthamia graminifolia (L.) Nutt.	Sonchus asper (L.) Hill.
Boltonia asteroides (L.) L'Her.	Lactuca ludoviciana (Nutt.) DC.
Aster azureus Lindl.	Lactuca sagittifolia Ell.
Aster sagittifolius Willd.	
Aster novae-angliae L.	
Aster puniceus L.	
Aster laevis L.	
Aster sericeus Vent.	
Aster multiflorus Ait.	
Aster commutatus (T. & G.)	
A. Gray	

Aster dumosus L.

Aster salicifolius Lam.

Aster tradescanti L.

Lactuca canadensis L.

Nabalus asper (Michx.) T. & G.

Nabalus racemosus (Michx.) DC.

The sequence followed in arranging this list of plants is that of the Besseyan System. The nomenclature used is that of the American Code.

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