

Rare Plants of Fort Laramie National Historic Site

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Introduction

Fort Laramie National Historic Site (NHS) in Goshen County, WY, contains 16 main vegetation types (The Nature Conservancy 1997) and provides habitat for nearly 200 plant species. At least 5 of these plant taxa are considered rare within the state of Wyoming (Table 1) (Fertig and Beauvais 1999). These are primarily wetland and Great Plains species that are considered globally secure (G5) rangewide, but which reach the far western edge of their range in Wyoming. Fort Laramie is one of the few currently protected natural areas on the plains of southeastern Wyoming and may be of critical importance to the persistence of these species in the state.

This report summarizes the current knowledge of these rare plants in Wyoming. Element Occurrence records are also included with current information on the distribution of these species in the NHS. A checklist of the flora of the NHS is also included in Appendix A.

Table 1.

Rare Plants of Fort Laramie National Historic Site

Species	Common Name	Heritage Rank	Range Notes	Federal Status	County	Managed Area
<i>Agalinis tenuifolia</i> var. <i>parviflora</i>	Slender false-foxglove	G5T4/S1	Periph.		Gos, Nio, Pla	Ft. Laramie NHS
<i>Eustoma grandiflora</i>	Showy prairie-gentian	G5/S1	Periph.		Gos, Nat, Pla	Ft. Laramie NHS?
<i>Lobelia siphilitica</i>	Great blue lobelia	G5/S1	Periph.		Gos, Nat	Ft. Laramie NHS
<i>Sambucus canadensis</i>	Common elderberry	G5/S1	Periph.		Gos, Pla, Was	Ft. Laramie NHS
<i>Sorghastrum nutans</i>	Indian grass	G5/S1	Periph.		Cro, Gos, Pla	Black Hills NF Ft. Laramie NHS

Note: Heritage Ranks are assigned by Natural Heritage Programs based on the rangewide abundance of each species (G) and subspecies or variety (T) of plant and animal and their state (S) abundance on a 1-5 scale (1 = extremely rare, 5 = extremely common). Range Notes are based on the geographic distribution pattern of species in Wyoming. Periph. = peripheral (species at the edge of their contiguous range in WY).

Statewide Status of Rare Plants of Fort Laramie NHS

AGALINIS TENUIFOLIA VAR *PARVIFLORA*

Heritage Rank: G5T4/S1

Occurrences in Wyoming: Known from 5 extant occurrences (all observed since 1993, and most recently in 1998) and 2 historical sites.

Abundance: Not Known. Recently discovered populations have not been censused. Historical populations along the Platte River (Platte Canyon) have not been relocated since 1901 and may be extirpated.

Range: Peripheral; in Wyoming known from the eastern and southeastern plains in Goshen, Niobrara, and Platte counties.

Trends: Not known. Thought to be historical or extirpated prior to 1993, but recently relocated. Trend data are not known for these new occurrences.

Protection Status: One occurrence is found within the Fort Laramie National Historic Site. All other populations are on state or private lands.

Threats: Potentially threatened by development of habitat and by dam construction.

Managed Areas: Occurs at Fort Laramie National Historic Site.

References: Dorn 1992; Great Plains Flora Association 1986; Hartman and Nelson 1994, 1995.

EUSTOMA GRANDIFLORUM

Heritage Rank:G5/S1

Synonyms: *Eustoma rusellianum*.

Occurrences in Wyoming: Known from 4 extant occurrences and 3 historical records. Three populations have been observed since 1993 (most recently in 1995).

Abundance: Population data are sketchy for most sites. Reported as "not common" in Wyoming by Porter (1966).

Range: Peripheral; in Wyoming known primarily from the southeast plains (Goshen and Platte counties), with one historical report from the North Platte River Valley near Casper (Natrona County).

Trends: Not known.

Protection Status: One occurrence may be found within the Fort Laramie National Historic Site (managed by the National Park Service). This species was reported in the vicinity in 1959, but was not located during surveys of the NHS by Ernie Nelson in 1993-94. All other known occurrences are on private lands.

Threats: May be threatened by development of prairie wetland habitats and by over-collection for its showy flowers.

References: Dorn 1992; Great Plains Flora Association 1986; Hartman and Nelson 1994, 1995; Porter 1966; Shinnars 1957; Spackman et al. 1997.

LOBELIA SIPHILITICA

Heritage Rank: G5/S1

Occurrences in Wyoming: Known from 4 extant occurrences in Wyoming, 3 of which have been discovered since 1993.

Abundance: Not known.

Range: Peripheral; in Wyoming, known only from the eastern plains in Goshen and Niobrara counties.

Trends: Not known.

Protection Status: One population occurs in the Fort Laramie National Historic Site. All other known occurrences are on state or private lands.

Threats: May be threatened by hydrologic development, water pollution, grazing, and recreation.

Managed Areas: Occurs in Fort Laramie National Historic Site.

References: Dorn 1992; Great Plains Flora Association 1986; Hartman and Nelson 1994, 1995.

SAMBUCUS CANADENSIS

Heritage Rank: G5/S1.

Occurrences in Wyoming: Known from at least 2 occurrences in Wyoming, observed since 1991 (most recently in 1995).

Abundance: Not known.

Range: Peripheral; in Wyoming, known from the southeast plains in Goshen and Platte Counties. Also reported from Washakie County.

Trends: Not known.

Protection Status: One occurrence is protected within the Fort Laramie National Historic Site. All other known occurrences are on private lands.

Threats: Not known.

Managed Areas: Occurs at Fort Laramie National Historic Site.

References: Dorn 1992; Great Plains Flora Association 1986; Hartman and Nelson 1994, 1995.

SORGHASTRUM NUTANS

Heritage Rank: G5/S1.

Occurrences in Wyoming: Known from at least 5 extant records in Wyoming, most recently observed in 1999.

Abundance: Population size not known. May be undersampled in Wyoming.

Range: Peripheral; in Wyoming known from the Southeastern Plains and Black Hills in Crook, Goshen, and Platte counties.

Trends: Not known. Could be potentially spreading via roadsides.

Protection Status: One occurrence may be in Fort Laramie National Historic Site. Other populations are on public or private lands managed for multiple use.

Threats: Native stands are threatened by habitat loss, soil disturbance, and competition from exotic plants.

Managed Areas: Occurs in Black Hills National Forest and possibly the Fort Laramie National Historic Site.

References: Dorn 1992; Great Plains Flora Association 1986.

References

Dorn, R.D. 1992. Vascular Plants of Wyoming, second edition. Mountain West Publ., Cheyenne, WY.

Fertig, W. 1999. Non-native plants of Wyoming. *Castilleja* 18(2):7-10.

Fertig, W. and G. Beauvais. 1999. Wyoming Plant and Animal Species of Special Concern. Wyoming Natural Diversity Database, Laramie, WY.

Great Plains Flora Association. 1986. *Flora of the Great Plains*. Univ. Kansas Press, Lawrence, KS.

Hartman, R. L. and B. E. Nelson. 1994. Status report on the general floristic inventory of the

EUSTOMA GRANDIFLORUM
SHOWY PRAIRIE-GENTIAN
Occurrence # 004

IDENT: Y
ELEMENT RANK: G5/S1

COUNTY: Goshen
LOCATION: Southeastern plains, "near Old Fort Laramie ... on the Laramie River".
QUADNAME: FORT LARAMIE PRECISION: M
LAT: 421205N LONG: 1043212W
TOWN/RANGE/SECTION: T26N R64W S27 (TRS approximate, taken from quad).
WATERSHED: 10180009

LASTOBS: 1959-08-04 FIRSTOBS: 1959-08-04
POPULATION DATA: 1959-08-04: Reported as "locally abundant". In flower.

HABITAT: Moist meadow.
ELEVATION: 4000

MANAGED AREA: FORT LARAMIE NATIONAL HISTORIC SITE ?

SOURCES: Porter, C.L. 1966. *Eustoma* in Wyoming. Leaflets of Western Botany
SPECIMENS: Porter, C.L. and M.W. Porter (7995). 1959. (RM).

EDITION: 96-12-17 EDAUTHOR: Walter Fertig

LOBELIA SIPHILITICA
GREAT BLUE LOBELIA
Occurrence # 004

IDENT: Y
ELEMENT RANK: G5/S1

COUNTY: Goshen
LOCATION: Eastern Plains, Banks of the Laramie River, ca 0.5 miles above confluence with the
North Platte River.
QUADNAME: FORT LARAMIE PRECISION: M
LAT: 421205N LONG: 1043212W
TOWN/RANGE/SECTION: T26N R64W S27 (W2 OF NW4)
WATERSHED: 10180009

LASTOBS: 1998-09-23 FIRSTOBS: 1998-09-23
POPULATION DATA: 1998-09-23: In fruit. Occurs with *Verbena* and *Salix*.

HABITAT: River bank.

MINELEV: 4300 MAXELEV: SIZE:

MANAGED AREA: FORT LARAMIE NATIONAL HISTORIC SITE

SOURCES:

SPECIMENS: Dorn, R. (7827). 1998. RM.

EDITION: 99-03-02 EDAUTHOR: Walter Fertig

SAMBUCUS CANADENSIS

COMMON ELDERBERRY

Occurrence # 002

IDENT: Y

ELEMENT RANK: G5/S1

COUNTY: Goshen

LOCATION: Southeastern Plains, Goshen Hole, along the North Platte River just below mouth of the Laramie River at east edge of Fort Laramie National Historic Site, ca 1.3 miles south-southwest of town of Fort Laramie, ca 20 miles west-northwest of Torrington.

QUADNAME: FORT LARAMIE PRECISION: S

LAT: 421145N LONG: 1043135W

TOWN/RANGE/SECTION: T26N R64W S27 (S2)

WATERSHED: 10180009

LASTOBS: 1993-08-31 FIRSTOBS: 1993-08-31

POPULATION DATA:

HABITAT: Cottonwood woodland in the river bottom.

ELEVATION: 4220-4240

MANAGED AREA: FORT LARAMIE NATIONAL HISTORIC SITE

SOURCES: Hartman and Nelson 1994.

SPECIMENS: Nelson, B.E. (29525). 1993. RM.

EDITION: 95-07-20 EDAUTHOR: Walter Fertig

SORGHASTRUM NUTANS

INDIAN GRASS

Occurrence # 002

IDENT: Y

ELEMENT RANK: G5/S1

COUNTY: Goshen

LOCATION: Southeast Plains, along WY Highway 160 west of Fort Laramie Historic Site.

QUADNAME: FORT LARAMIE PRECISION: M
LAT: 421216N LONG: 1043345W
TOWN/RANGE/SECTION: T26N R64W S29
WATERSHED: 10180011

LASTOBS: 1992-09-09 FIRSTOBS: 1992-09-09
POPULATION DATA: 1992-09-09: In flower and fruit.

HABITAT: Gravel roadside.
MINELEV: 4265 MAXELEV: SIZE:

MANAGED AREA: FORT LARAMIE NATIONAL HISTORIC SITE MGMTCOM:

SOURCES:
SPECIMENS: Kettler, S. (s.n.). 1992. RM.

EDITION: 00-01-27 EDAUTHOR: Walter Fertig

APPENDIX A.

Vascular Plants of Fort Laramie NHS

The following species list is based on field work conducted by B. Ernie Nelson of the Rocky Mountain Herbarium (RM) in 1994, observations of Robert Dorn and Walter Fertig, historical records of the RM, and vegetation sampling by Hollis Marriott and Jim Drake of The Nature Conservancy in 1997. The native status of each species is based on Fertig (1999).

Family	Species	Common Name	Native/ Introduced
ACE	<i>Acer negundo</i> L.	Box-elder	N
SCR	<i>Agalinis tenuifolia</i> (Vahl) Raf. var. <i>parviflora</i> (Nutt.) Penn.	Slender false-foxglove	N
POA	<i>Agrostis stolonifera</i> L.	Redtop	I
AMA	<i>Amaranthus blitoides</i> Wats.	Prostrate pigweed	N
AST	<i>Ambrosia psilostachya</i> DC.	Western ragweed	N
AST	<i>Ambrosia trifida</i> L. var. <i>trifida</i>	Giant ragweed	N
FAB	<i>Amorpha fruticosa</i> L.	False indigo	N
POA	<i>Andropogon hallii</i> Hack.	Sand bluestem	N
APO	<i>Apocynum cannabinum</i> L.	Common dogbane	N
PAP	<i>Argemone hispida</i> Gray	Hairy prickly poppy	N
AST	<i>Artemisia biennis</i> Willd. var. <i>biennis</i>	Biennial wormwood	N
AST	<i>Artemisia campestris</i> L. var. <i>scouleriana</i> (Bess.) Cronq.	Field sagewort	N
AST	<i>Artemisia dracuncululus</i> L.	Tarragon	N
AST	<i>Artemisia filifolia</i> Torr.	Sand sagebrush	N
AST	<i>Artemisia frigida</i> Willd.	Fringed sagebrush	N
AST	<i>Artemisia ludoviciana</i> Nutt. var. <i>ludoviciana</i>	Louisiana sagebrush	N
ASC	<i>Asclepias pumila</i> (Gray) Vail	Plains milkweed	N
ASC	<i>Asclepias speciosa</i> Torr.	Showy milkweed	N
AST	<i>Aster ericoides</i> L. var. <i>stricticaulis</i> (T. & G.) F.C. Gates	Heath-leaved aster	N
AST	<i>Aster lanceolatus</i> Willd. ssp. <i>hesperius</i> (Gray) Semple & Chmielewski	Western willow aster	N
FAB	<i>Astragalus adsurgens</i> Pall. var. <i>robustior</i> Hook.	Standing milkvetch	N
AST	<i>Bidens cernua</i> L.	Nodding beggarsticks	N
AST	<i>Bidens comosa</i> (Gray) Wieg.	Three-lobed beggarsticks	N
AST	<i>Bidens frondosa</i> L.	Leafy beggarsticks	N
POA	<i>Bouteloua gracilis</i> (H.B.K.) Lag. var. <i>gracilis</i>	Blue grama	N
AST	<i>Brickellia eupatorioides</i> (L.) Shinnery var. <i>corymbulosa</i> (T. & G.) Shinnery	False boneset	N
POA	<i>Bromus inermis</i> Leyss. var. <i>inermis</i>	Smooth brome	I
POA	<i>Bromus japonicus</i> Thunb. ex J.A. Murray	Japanese brome	I
POA	<i>Bromus tectorum</i> L.	Cheatgrass	I
POA	<i>Buchloe dactyloides</i> (Nutt.) Engelm.	Buffalo grass	N
POA	<i>Calamovilfa longifolia</i> (Hook.) Scribn. var. <i>longifolia</i>	Prairie sandreed	N
AST	<i>Carduus nutans</i> L.	Musk thistle	I
CYP	<i>Carex filifolia</i> Nutt.	Thread-leaved sedge	N
CYP	<i>Carex nebrascensis</i> Dewey	Nebraska sedge	N
POA	<i>Cenchrus longispinus</i> (Hack.) Fern.	Field sandbur	N
CHN	<i>Chenopodium berlandieri</i> Moq. var. <i>zschackei</i> (Murr) Murr ex Aschers.	Pitseed goosefoot	N
CHN	<i>Chenopodium pratericola</i> Rydb.	Slimleaf goosefoot	N
POA	<i>Chloris verticillata</i> Nutt.	Showy windmill grass	I* (native in Gr Plains)
AST	<i>Cirsium arvense</i> (L.) Scop. var. <i>horridum</i> Wimm. & Grab.	Canada thistle	I
AST	<i>Cirsium flodmanii</i> (Rydb.) Arthur	Flodman's thistle	N
RAN	<i>Clematis ligusticifolia</i> Nutt. var. <i>ligusticifolia</i>	Western virgin's bower	N

Family	Species	Common Name	Native/ Introduced
CPP	<i>Cleome serrulata</i> Pursh	Rocky Mountain beeplant	N
CNV	<i>Convolvulus arvensis</i> L.	Field bindweed	I
AST	<i>Conyza canadensis</i> (L.) Cronq. var. <i>canadensis</i>	Horseweed	N
EUP	<i>Croton texensis</i> (Klotzsch) Muell.-Arg.	Texas croton	N
BOR	<i>Cryptantha cana</i> (A. Nels.) Pays.	Dog cryptantha	N
BOR	<i>Cryptantha cinerea</i> (Greene) Cronq. var. <i>jamesii</i> Cronq.	James' cryptantha	N
BOR	<i>Cryptantha minima</i> Rydb.	Minimal cryptantha	N
CYP	<i>Cyperus aristatus</i> Rottb. var. <i>aristatus</i> [syn = <i>C. squarrosus</i>]	Awned flatsedge	N
FAB	<i>Dalea candida</i> Michx. var. <i>oligophylla</i> (Torr.) Shinners	White prairie-clover	N
BRA	<i>Descurainia sophia</i> (L.) Webb ex Prantl	Flixweed	I
POA	<i>Distichlis spicata</i> (L.) Greene var. <i>stricta</i> (Torr.) Scribn.	Alkali saltgrass	N
AST	<i>Dyssodia papposa</i> (Vent.) Hitchc.	Fetid marigold	N
POA	<i>Echinochloa muricata</i> (Beauv.) Fern. var. <i>microstachya</i> Wieg.	Barnyard-grass	N
ELE	<i>Elaeagnus angustifolia</i> L.	Russian olive	I
POA	<i>Elymus canadensis</i> L. var. <i>canadensis</i>	Canada wildrye	N
POA	<i>Elymus repens</i> (L.) Gould	Common quackgrass	I
POA	<i>Elymus smithii</i> (Rydb.) Gould	Western wheatgrass	N
POA	<i>Elymus spicatus</i> (Pursh) Gould	Bluebunch wheatgrass	N
EQU	<i>Equisetum laevigatum</i> A. Br.	Smooth scouring-rush	N
POA	<i>Eragrostis cilianensis</i> (All.) Lutati ex Janch.	Stinkgrass	I
AST	<i>Erigeron corymbosus</i> Nutt.	Foothill daisy	N
AST	<i>Erigeron divergens</i> T. & G. var. <i>divergens</i>	Diffuse fleabane	N
PLG	<i>Eriogonum annuum</i> Nutt.	Annual buckwheat	N
PLG	<i>Eriogonum microthecum</i> Nutt. var. <i>effusum</i> (Nutt.) T. & G.	Slenderbush buckwheat	N
BRA	<i>Erysimum asperum</i> (Nutt.) DC.	Rough wallflower	N
EUP	<i>Euphorbia dentata</i> Michx.	Toothed spurge	N
EUP	<i>Euphorbia glyptosperma</i> Engelm.	Corrugate-seeded spurge	N
EUP	<i>Euphorbia missurica</i> Raf. var. <i>petaloidea</i> (Engelm.) Dorn	Missouri spurge	N
EUP	<i>Euphorbia serpyllifolia</i> Pers. var. <i>serpyllifolia</i>	Thyme-leaf spurge	N
GEN	<i>Eustoma grandiflorum</i> (Raf.) Shinners	Showy prairie-gentian	N
AST	<i>Euthamia occidentalis</i> Nutt.	Western goldenrod	N
OLE	<i>Fraxinus pennsylvanica</i> Marsh.	Green ash	N
ONA	<i>Gaura coccinea</i> (Nutt.) Pursh	Scarlet gaura	N
ONA	<i>Gaura parviflora</i> Dougl. ex Lehm.	Small-flowered butterfly plant	N
FAB	<i>Glycyrrhiza lepidota</i> Nutt. ex Pursh var. <i>lepidota</i>	Licorice-root	N
AST	<i>Grindelia squarrosa</i> (Pursh) Dunal var. <i>squarrosa</i>	Curl-cup gumweed	N
AST	<i>Gutierrezia sarothrae</i> (Pursh) Britt. & Rusby	Broom snakeweed	N
AST	<i>Haplopappus spinulosus</i> (Pursh) DC. var. <i>spinulosus</i>	Spiny goldenweed	N
AST	<i>Helianthus annuus</i> L.	Common sunflower	N
AST	<i>Helianthus petiolaris</i> Nutt. var. <i>petiolaris</i>	Plains sunflower	N
AST	<i>Heterotheca villosa</i> (Pursh) Shinners var. <i>hispida</i> (Hook.) Harms	Hairy golden-aster	N
POA	<i>Hordeum caespitosum</i> Scribn ex Pammel	Mexican barley	N
AST	<i>Hymenopappus polycephalus</i> Osterh.	Many-headed woollywhite	N

Family	Species	Common Name	Native/ Introduced
CNV	<i>Ipomoea leptophylla</i> Torr.	Bush morning glory	N
AST	<i>Iva xanthifolia</i> Nutt.	Marsh-elder	N
JUN	<i>Juncus torreyi</i> Cov.	Torrey's rush	N
CUP	<i>Juniperus scopulorum</i> Sarg.	Rocky Mountain juniper	N
CHN	<i>Kochia scoparia</i> (L.) Schrad.	Summer cypress	I
CHN	<i>Krascheninnikovia lanata</i> (Pursh) Meeuse & Smit	Winterfat	N
AST	<i>Lactuca serriola</i> L.	Prickly lettuce	I
POA	<i>Leersia oryzoides</i> (L.) Sw.	Rice cutgrass	N
AST	<i>Liatris punctata</i> Hook. var. <i>punctata</i>	Spotted gay-feather	N
LIN	<i>Linum rigidum</i> Pursh var. <i>rigidum</i>	Stiffstem flax	N
BOR	<i>Lithospermum incisum</i> Lehm.	Yellow gromwell	N
CAM	<i>Lobelia siphilitica</i> L. var. <i>ludoviciana</i> A. DC.	Great blue lobelia	N
LAM	<i>Lycopus asper</i> Greene	Rough bugleweed	N
AST	<i>Machaeranthera canescens</i> (Pursh) Gray var. <i>glabra</i> Gray	Hoary aster	N
AST	<i>Machaeranthera tanacetifolia</i> (H.B.K.) Nees	Tansy aster	N
FAB	<i>Medicago lupulina</i> L.	Black medic	I
FAB	<i>Melilotus albus</i> Medic.	White sweetclover	I
FAB	<i>Melilotus officinalis</i> (L.) Pall.	Yellow sweetclover	I
LOA	<i>Mentzelia nuda</i> (Pursh) T. & G.	Naked stickleaf	N
CHN	<i>Monolepis nuttalliana</i> (Schult.) Greene	Povertyweed	N
POA	<i>Monroa squarrosa</i> (Nutt.) Torr.	False buffalo-grass	N
POA	<i>Muhlenbergia asperifolia</i> (Nees & Mey. ex Trin.) Parodi	Alkali muhly	N
LAM	<i>Nepeta cataria</i> L.	Common catnip	I
ONA	<i>Oenothera albicaulis</i> Pursh	Whitestem evening-primrose	N
ONA	<i>Oenothera villosa</i> Thunb. var. <i>strigosa</i> (Rydb.) Dorn	Common evening-primrose	N
AST	<i>Onopordum acanthium</i> L.	Scotch thistle	I
CAC	<i>Opuntia macrorhiza</i> Engelm. var. <i>macrorhiza</i>	Bigroot prickly-pear	N
CAC	<i>Opuntia polyacantha</i> Haw. var. <i>polyacantha</i>	Plains prickly-pear	N
POA	<i>Oryzopsis hymenoides</i> (R. & S.) Ricker ex Piper	Indian ricegrass	N
POA	<i>Panicum capillare</i> L.	Common witchgrass	N
POA	<i>Panicum virgatum</i> L.	Switchgrass	N
CRY	<i>Paronychia depressa</i> (T. & G.) Nutt. ex A. Nels.	High plains nailwort	N
VIT	<i>Parthenocissus vitacea</i> (Knerr) Hitchc.	Grape woodbine	N
POA	<i>Phalaris arundinacea</i> L.	Reed canarygrass	N
VRB	<i>Phyla cuneifolia</i> (Torr.) Greene	Wedge-leaf fogfruit	N
SOL	<i>Physalis longifolia</i> Nutt.	Long-leaved ground-cherry	N
PIN	<i>Pinus ponderosa</i> P. & C. Lawson	Ponderosa pine	N
PTG	<i>Plantago patagonica</i> Jacq. var. <i>patagonica</i>	Indian-wheat	N
POA	<i>Poa pratensis</i> L.	Kentucky bluegrass	I
CPP	<i>Polanisia dodecandra</i> (L.) DC. var. <i>trachysperma</i> (T. & G.) Iltis	Clammy-weed	N
PLG	<i>Polygonum lapathifolium</i> L.	Curltop ladysthumb	I
PLG	<i>Polygonum periscaria</i> L.	Spotted ladysthumb	I
POA	<i>Polypogon monspeliensis</i> (L.) Desf.	Rabbitfoot-grass	I
SAL	<i>Populus acuminata</i> Rydb.	Lanceleaf cottonwood	N
SAL	<i>Populus deltoides</i> Bartram ex Marsh var. <i>occidentalis</i> Rydb.	Plains cottonwood	N
POR	<i>Portulaca oleracea</i> L.	Common purslane	I
POT	<i>Potamogeton filiformis</i> Pers.	Slender-leaved pondweed	N

Family	Species	Common Name	Native/ Introduced
ROS	<i>Potentilla paradoxa</i> Nutt.	Bushy cinquefoil	N
FAB	<i>Psoraleidium tenuiflorum</i> (Pursh) Rydb.	Slender-flowered scurf-pea	N
RAN	<i>Ranunculus sceleratus</i> L. var. <i>multifidus</i> Nutt.	Blister buttercup	N
AST	<i>Ratibida columnifera</i> (Nutt.) Woot. & Standl.	Prairie coneflower	N
ANA	<i>Rhus trilobata</i> Nutt. var. <i>trilobata</i>	Skunkbush	N
GRS	<i>Ribes aureum</i> Pursh	Golden currant	N
PLG	<i>Rumex crispus</i> L.	Curly dock	I
PLG	<i>Rumex maritimus</i> L. var. <i>fueginus</i> (Phil.) Dusen	Golden dock	N
PLG	<i>Rumex stenophyllus</i> Ledeb.	Slenderleaf dock	I
ALI	<i>Sagittaria cuneata</i> Sheld.	Wapato	N
SAL	<i>Salix amygdaloides</i> Anderss.	Peach-leaved willow	N
SAL	<i>Salix exigua</i> Nutt. var. <i>exigua</i>	Sandbar willow	N
CHN	<i>Salsola collina</i> Pall.	Tumbleweed	I
CPR	<i>Sambucus canadensis</i> L.	Common elderberry	N
POA	<i>Schizachyrium scoparium</i> (Michx.) Nash var. <i>scoparium</i> [syn = <i>Andropogon scoparius</i>]	Little bluestem	N
CYP	<i>Scirpus validus</i> Vahl	Soft-stem bulrush	N
AST	<i>Senecio spartioides</i> T. & G. var. <i>spartioides</i>	Broom groundsel	N
POA	<i>Setaria glauca</i> (L.) Beauv.	Yellow foxtail	I
POA	<i>Setaria viridis</i> (L.) Beauv.	Green foxtail	I
ELE	<i>Shepherdia argentea</i> (Pursh) Nutt.	Silver buffaloberry	N
BRA	<i>Sisymbrium altissimum</i> L.	Tumblemustard	I
SOL	<i>Solanum nigrum</i> L.	Black nightshade	N
SOL	<i>Solanum rostratum</i> Dunal	Buffalo bur	N
AST	<i>Solidago canadensis</i> L. var. <i>gilvocanescens</i> Rydb.	Canada goldenrod	N
AST	<i>Sonchus uliginosus</i> M.-Bieb.	Marsh sow-thistle	I
POA	<i>Sorghastrum nutans</i> (L.) Nash	Indian-grass	N
POA	<i>Spartina pectinata</i> Link	Prairie cordgrass	N
POA	<i>Sporobolus airoides</i> (Torr.) Torr. var. <i>airoides</i>	Alkali sacaton	N
POA	<i>Sporobolus cryptandrus</i> (Torr.) Gray	Sand dropseed	N
POA	<i>Stipa comata</i> Trin. & Rupr.	Needle-and-thread	N
CPR	<i>Symphoricarpos occidentalis</i> Hook.	Western snowberry	N
TAM	<i>Tamarix chinensis</i> Lour.	Tamarisk	I
LAM	<i>Teucrium canadense</i> L. var. <i>occidentale</i> (Gray) McClint. & Epl.	American germander	N
AST	<i>Thelesperma megapotamicum</i> (Spreng.) Kuntze	Greenthread	N
AST	<i>Townsendia grandiflora</i> Nutt.	Large-flowered Easter-daisy	N
ANA	<i>Toxicodendron rydbergii</i> (Small ex Rydb.) Greene	Poison ivy	N
CMM	<i>Tradescantia occidentalis</i> (Britt.) Smyth var. <i>occidentalis</i>	Long-bract spiderwort	N
ZYG	<i>Tribulus terrestris</i> L.	Puncture-vine	I
FAB	<i>Trifolium fragiferum</i> L.	Strawberry clover	I
TYP	<i>Typha latifolia</i> L.	Common cattail	N
URT	<i>Urtica dioica</i> L. var. <i>procera</i> (Muhl. ex Willd.) Wedd.	Stinging nettle	N
VRB	<i>Verbena bracteata</i> Lag. & Rodr.	Bracted vervain	N
VRB	<i>Verbena hastata</i> L.	Blue vervain	N
SCR	<i>Veronica anagallis-aquatica</i> L.	Water speedwell	I
AGV	<i>Yucca glauca</i> Nutt.	Soapwell	N
ZAN	<i>Zannichellia palustris</i> L.	Horned pondweed	N