

Appendix E

Rare Plant Species of Concern in Northern Great Plains I&M Network Parks

None of the four states in which the Network parks exist have state endangered species legislation that covers plants. However, the states do maintain lists of either “rare” plants (North Dakota and South Dakota) or “plant species of concern” (Nebraska and Wyoming), usually in conjunction with the state Natural Heritage program. These lists were obtained either from online sources (Nebraska Natural Heritage, <http://www.natureserve.org/nhp/us/ne/plants.html>; South Dakota Natural Heritage, <http://www.state.sd.us/gfp/DivisionWildlife/Diversity/rareplant2002.htm>; Wyoming Natural Diversity Database, http://uwadmnweb.uwyo.edu/wyndd/Plants/plant_species.htm) or, when not available online, directly from the state Natural Heritage program (North Dakota). Current lists of documented species at a park were then compared to the appropriate state list to determine which, if any, rare/concern species occurred at the park. When possible, information was supplemented by reports from surveys specifically designed to document rare plants at a park. These results were also compared to current rare/concern lists, as these lists are not static. Nationally listed threatened/endangered plant species were also considered, though there are very few of these in the northern Great Plains.

In the table below, the accepted scientific name (according to the Integrated Taxonomic Information System: <http://www.itis.usda.gov/>) for a taxon is listed first. Synonyms are listed following the accepted name when other names have been used in park or Natural Heritage documents. Common names are those used in the text of the report and are just one of the many possibilities for each taxon. The meaning of the codes in the “Global Status” and “State Status” columns are fully described in Appendix B. In general, the lower the number, the more imperiled the taxon is. “HYB” indicates that the taxon is a hybrid, and therefore is not ranked by the Natural Heritage system. “FSS” means that the taxon is not considered rare or of concern in the state that the park is in, but the Forest Service considers it a sensitive species in Forest Service lands in the vicinity of the park for which it is listed. In the final column, “yes” means that the species is currently listed (by the I&M program) as confirmed in the park or other documentation has confirmed it (e.g., rare species survey reports); “no” means that it is expected in the park and has been actively searched for, but not found; a blank means that the status of the species within park boundaries is not certain.

State	Park	Scientific Name	Common Name	Global Status	State Status	Confirmed in Park
NE	AGFO	<i>Arabis holboellii</i> / <i>Arabis divaricarpa</i>	limestone rockcress	G5	S1	yes
NE	AGFO	<i>Chenopodium dessicatum</i>	narrowleaf goosefoot	G5	S?	yes
NE	AGFO	<i>Chenopodium subglabrum</i>	smooth goosefoot	G3G4	S3	yes
NE	AGFO	<i>Cypripedium parviflorum</i>	lesser yellow lady's-slipper	G5	FSS	yes
NE	AGFO	<i>Fritillaria atropurpurea</i>	spotted mission bells	G5	S2	yes

State	Park	Scientific Name	Common Name	Global Status	State Status	Confirmed in Park
NE	AGFO	<i>Lesquerella arenosa</i> var. <i>argillosa</i>	sidesaddle bladderpod	G5T3	S2	yes
NE	AGFO	<i>Lomatium nuttallii</i>	Nuttall desert-parsley	G3	S1S2	yes
NE	AGFO	<i>Paronychia sessiliflora</i>	stemless nailwort	G5	S2	yes
NE	AGFO	<i>Phacelia hastata</i> var. <i>hastata</i>	spearhead phacelia	G5T5	S2	yes
NE	AGFO	<i>Physalis pumila</i>	prairie ground cherry	G5	S2	yes
NE	AGFO	<i>Platanthera hyperborea</i> var. <i>huronensis</i> / <i>Habenaria hyperborea</i>	Huron green orchid	G5	S2	yes
NE	AGFO	<i>Tripterocalyx micranthus</i>	small-flowered sand verbena	G5	S1	yes
SD	BADL	<i>Astragalus barrii</i>	Barr's milkvetch	G3	S3	yes
SD	BADL	<i>Clematis hirsutissima</i>	clustered leather-flower	G4	SU	no
SD	BADL	<i>Cryptantha cana</i>	silver-mounded candle flower	G5	S2	yes
SD	BADL	<i>Ericameria parryi</i> , <i>Chrysothamnus parryi</i>	Parry's rabbitbrush	G5	S4?	no
SD	BADL	<i>Eriogonum visherii</i>	Dakota buckwheat	G3	S3	yes
SD	BADL	<i>Lesquerella arenosa</i> var. <i>argillosa</i>	sidesaddle bladderpod	G5T3	S3	yes
SD	BADL	<i>Thelesperma megapotamicum</i>	Hopi tea	G5	SU	no
SD	BADL	<i>Townsendia exscapa</i>	Easter daisy	G5	S4?	yes
SD	BADL	<i>Townsendia grandiflora</i>	largeflower Townsend-daisy	G4?	S4?	yes
WY	DETO	<i>Asclepias verticillata</i>	whorled milkweed	G5	S1	yes
WY	DETO	<i>Carex emoryi</i>	Emory's sedge	G5	S1	yes
WY	DETO	<i>Elymus villosus</i>	hairy wild-rye	G5	S1	(historical)
WY	DETO	<i>Glandularia bipinnatifida</i> / <i>Verbena bipinnatifida</i>	Dakota mock vervain	G5	S1	(historical)
WY	DETO	<i>Helianthemum bicknellii</i>	plains frostweed	G5	S1	yes
WY	DETO	<i>Viola pedatifida</i>	prairie violet	G5	S1	yes
WY	FOLA	<i>Agalinis tenuifolia</i> var. <i>parviflora</i>	slender false foxglove	G5T4	S1	yes
WY	FOLA	<i>Cyperus bipartitus</i> / <i>Cyperus rivularis</i>	shining flatsedge	G5	S1	yes
WY	FOLA	<i>Dalea aurea</i>	golden prairie clover	G5	S1	BLM tract
WY	FOLA	<i>Euphorbia hexagona</i>	six-angle spurge	G5	S1	BLM tract
WY	FOLA	<i>Eustoma exaltatum</i> ssp. <i>russellianum</i> /	showy prairie gentian	G5	S1	no

State	Park	Scientific Name	Common Name	Global Status	State Status	Confirmed in Park
		<i>Eustoma russellianum</i> / <i>Eustoma grandiflorum</i>				
WY	FOLA	<i>Lobelia siphilitica</i>	great blue lobelia	G5	S1	yes
WY	FOLA	<i>Sorghastrum nutans</i>	Indian grass	G5	S1	yes
WY	FOLA	<i>Spiranthes diluvialis</i>	Ute lady's tresses	G2	S1	no
ND	FOUS	<i>Oxytropis sericea</i>	white locoweed	G5	S1	
SD	JECA	<i>Achnatherum robustum</i> / <i>Stipa robusta</i>	sleepy grass	G5	SU	no
SD	JECA	<i>Thelesperma megapotamicum</i>	Hopi tea	G5	SU	yes
SD	JECA	<i>Townsendia exscapa</i>	Easter daisy	G5	S4?	no
SD	JECA	<i>Townsendia hookeri</i>	Hooker's Townsend daisy	G5	SU	yes
ND	KNRI		<i>none</i>			
NE/SD	MNRR		<i>work in progress to determine which species in park boundaries</i>			
SD	MORU		<i>none known so far</i>			
NE	NIOB		<i>work in progress to determine which species in park boundaries</i>			
NE	SCBL	<i>Astragalus pectinatus</i>	narrowleaf milkvetch	G5	S2	yes
NE	SCBL	<i>Ericameria parryi</i> var. <i>howardii</i> / <i>Chrysothamnus parryi</i>	Parry's rabbitbrush	G5T5	S1	yes
NE	SCBL	<i>Eriogonum cernuum</i>	nodding buckwheat	G5	S1	(historical)
NE	SCBL	<i>Fritillaria atropurpurea</i>	spotted mission bells	G5	S2	yes
NE	SCBL	<i>Lappula cenchrusoides</i>	stickseed	G4	S1	yes
NE	SCBL	<i>Leptodactylon caespitosum</i>	matted prickly gilia	G4	S1	yes
NE	SCBL	<i>Lomatium nuttallii</i>	Nuttall desert-parsley	G3	S1S2	yes
NE	SCBL	<i>Mentzelia albicaulis</i>	whitestem stickleaf	G5	SH	(historical)
NE	SCBL	<i>Paronychia sessiliflora</i>	stemless nailwort	G5	S2	yes
NE	SCBL	<i>Phacelia hastata</i> var. <i>hastata</i>	spearhead phacelia	G5T5	S2	yes
NE	SCBL	<i>Physaria brassicoides</i>	double twinpod	G5	S1	yes
NE	SCBL	<i>Stephanomeria runcinata</i>	desert skeletonplant	G5	S1	yes
ND	THRO	<i>Chenopodium subglabrum</i>	smooth goosefoot	G3G4	S1	yes
ND	THRO	<i>Dalea enneandra</i>	nine-anthered dalea	G5	S2S3	yes
ND	THRO	<i>Euphorbia brachycera</i> / <i>Euphorbia</i>	rocky mountain spurge	G5	S1	yes

State	Park	Scientific Name	Common Name	Global Status	State Status	Confirmed in Park
		<i>robusta</i>				
ND	THRO	<i>Oxytropis sericea</i>	white locoweed	G5	S1	
ND	THRO	<i>Populus x acuminata</i>	lanceleaf cottonwood	GHYB	S2	yes
ND	THRO	<i>Sporobolus airoides</i>	alkali sacaton	G5	S2	yes
SD	WICA	<i>Achnatherum robustum / Stipa robusta</i>	sleepy grass	G5	SU	(historical, maybe)
SD	WICA	<i>Aquilegia brevistyla</i>	smallflower columbine	G5	FSS	yes
SD	WICA	<i>Echinocereus viridiflorus</i>	nylon hedgehog cactus	G5	S3	yes
SD	WICA	<i>Elymus diversiglumis / Elymus interruptus</i>	interrupted wild rye	G5	SU	(historical, maybe)
SD	WICA	<i>Lesquerella montana</i>	mountain bladderpod	G5	SU	yes
SD	WICA	<i>Thelesperma megapotamicum</i>	Hopi tea	G5	SU	yes
SD	WICA	<i>Townsendia exscapa</i>	Easter daisy	G5	S4?	yes
SD	WICA	<i>Townsendia hookeri</i>	Hooker's Townsend daisy	G5	SU	yes
SD	WICA	<i>Viburnum opulus var. americanum</i>	American cranberrybush	G5T5	FSS	