

Planting 125
2017 Planting History
Visitor Center planting
Prepared by Nathaniel Weickert 12/12/17

0.78 Acres total

Dry Mesic: 0.78

Step in

Site Conditions

Location

General Location – located east of Lowden Road ¼ mile south of the HQ building

GPS: 41°53'4.10"N, 89°20'32.25"W Elevation: 736ft – 799ft

County: Lee

Soil Types

According to the Web Soil Survey for the planting area, soils include

Topography

The topography of the Visitor Center planting is a smooth single slope rising to the east with a more level strip on the far east side

Site preparations

the 2017 season was wet from spring to early summer, dry through early October.

The remaining prairie was mowed down and the earth harrowed.

Planting the seed

Most of the area was planted using a broadcast seeder driven by Avery Parmiter, there was a thin stripe in the east which was hand seeded by Avery Parmiter and Nathaniel Weickert.

Weather: there was no precipitation during planting. There were wind speeds around 20mph while planting occurred. In the days following planting there was a strong northwest wind of around 35mph and gusts up to 50mph.

Dry Mesic

The Dry Mesic was done in three segments, the main roundabout hereafter referred to as 1, a southern strip near the visitor center 2, and the eastern strip that runs along the visitor use area behind the toilets 3.

Area 1 (0.54 acres) – this area was planted by driving the seeder in concentric circles. After the full area had been seeded twice the seeder was driven in a random pattern until it ran out of seed. There was a dumpster sitting on the eastern boundary for the time the seeder was running this area was hand seeded later. Around 1.5 barrels were used in this area.

Area 2 (0.1 acre) – this area was also planted by driving the seeder in concentric circles. After the area had been covered east west transects were run until the seeder was empty. Around .5 barrels were used to seed here.

Area 3. (0.14 acres) – this area was hand seeded by Avery Parmiter and Nathaniel Weickert starting at the southernmost edge and following the curve until the opposite end was reached. Around .5 barrels were used to plant here.

Step-in

There was a handful of valuable seeds that were placed after the rest of the planting occurred. These step-in species were hand seeded in areas 2 and 3.

Planting Mixes

The remaining 2016 mix was used to plant the Visitor Center plots. 3 barrels totaling 133.95 lbs. the lbs/acre of the planting is 171.73 lbs/acre.

The original collection rates and ratios of the 2016 mix are as follows

		Dry Mesic	Step In	Total Lbs
SCIENTIFIC NAME	COMMON NAME			
Agastache scrophulariaefolia	Purple Giant Hyssop			0
Agrimonia parviflora	Swamp Agrimony			0
Agalinis tenuifolia	Slender False foxglove			0
Agrostis hymenalis	Tickle Grass			0
Allium cernuum	Nodding Wild Onion	3		3
Amorpha canescens	Leadplant	37.2		37.2
Anemone canadensis	Meadow Anemone			0
Anemone cylindrica	Thimbleweed	23.25		23.25
Antennaria plantaginifolia	Pussy Toes (Everlasting)	14.75		14.75

Aristida longiseta	3 Awn Grass			0
Artemisia caudata (campestris)	Beach Wormwood	57.1		57.1
Asclepias incarnata	Swamp Milkweed			0
Asclepias verticillata	Whorled Milkweed	1.25		1.25
Aster ericoides (prostratus)	Heath Aster	4.3		4.3
Aster linariifolius	Stiff Aster (Flax-Leaved)	10.4		10.4
Aster novae-angliae	New England Aster	3.45		3.45
Aster oblongifolius	Aromatic Aster			0
Aster ptarmicoides	White Aster (Stiff Aster)			0
Aster sericeus	Silky Aster			0
Astragalus canadensis	Canadian Milk Vetch	7.2		7.2
Baptisia leucantha	White Wild Indigo	545.34		545.34
Baptisia leucophaea	Cream Wild Indigo			0
Blephili ciliata	Downy Wood Mint			0
Bouteloua curtipendula	Side-Oats Grama	8.15		8.15
Bouteloua hirsuta	Hairy Grama			0
Brachyelytrum erectum	Long Awned Wood Grass			0
Bromus kalmii	Prairie brome	39.15		39.15
Cacalia atriplicifolia	Pale Indian Plantain	9.45		9.45
Cacalia muhlenbergii	Great Indian Plantain	0.25		0.25
Cacalia plantaginea (tuberosa)	Indian Plantain			0
Calamagrostis canadensis	Blue Joint Grass			0
Camassia scilloides	Wild Hyacinth			0
Carex bicknellii	Copper-shouldered oval Sedge	24.1		24.1
Carex buxbaumii	Buxbaum's Sedge			0
Carex muhlenbergii (enervis)	Sand Bracted Sedge (Muhlenberg's)	2.6		2.6
Cassia fasciculata	Partridge Pea	2.3		2.3
Castilleja sessiliflora **	Downy Yellow Painted Cup			0
Ceanothus americanus	New Jersey Tea			0
Cephalanthus occidentalis	Buttonbush			0
Chrysopsis camporum (Heterotheca)	Golden Prairie Aster			0
Cirsium hillii *** (pumilum)	Hill's Thistle			0
Coreopsis lanceolata	Sand Coreopsis	11.5		11.5
Coreopsis palmata	Prairie Coreopsis	31.75		31.75
Coreopsis tripteris	Tall Coreopsis	69.9		69.9
Cyperus filiculmis	Slender Sand Sedge			0
Danthonia spicata	Poverty Oat Grass			0
Desmodium illinoense	Ill. Tick Trefoil	7.05		7.05

Dodecatheon meadia	Shooting Star	11.1		11.1
Echinacea pallida	Pale Purple Coneflower	265.55		265.55
Elymus canadensis	Prairie Wild Rye	307.15		307.15
Elymus villosus	Silky Wild Rye			0
Eragrostis spectabilis	Purple Love Grass	1.15		1.15
Erechtites hieracifolia	Fireweed			0
Erigeron strigosus	Daisy Fleabane	3.875		3.875
Eryngium yuccifolium	Rattlesnake Master	56.5		56.5
Eupatorium altissimum	Tall Boneset	19.15		19.15
Eupatorium maculatum	Spotted Joe Pye Weed			0
Eupatorium perfoliatum	Boneset	16.55		16.55
Eupatorium purpureum	Purple Joe-Pye Weed			0
Euphorbia corollata	Flowering Spurge	33.4		33.4
Festuca obtusa (subverticillata)	Nodding Fescue			0
Gaura biennis pitcheri (longiflora)	Common Gaura	7.35		7.35
Gentiana (alba) flavida	Cream Gentian	10.45		10.45
Gentiana (Gentianopsis) crinita	Fringed Gentian			0
Gentiana andrewsii	Bottle (or Closed) Gentian			0
Gentiana purberulenta	Prairie Gentian			0
Gentianella quinquefolia	Stiff Gentian		0.05	0.05
Geum triflorum	Prairie Smoke (Long-plumed Purple Avens)			0
Gnaphalium obtusifolium	Sweet Everlasting (Old-Field Balsam)	9.7		9.7
Helenium autumnale	Sneezeweed			0
Helianthemum bicknellii	Rock Rose	0.01		0.01
Helianthemum canadense	Common Rockrose (Frostweed)			0
Helianthus occidentalis	Western Sunflower; Naked S.	50.6		50.6
Helianthus rigidus (laetiflorus)	Prairie Sunflower	2.55		2.55
Heliopsis helianthoides	False Sunflower; " Ox-eye "	7.3		7.3
Heuchera richardsonii grayana	Rough Heuchera; Alum root			0
Hieracium gronovii	Hairy Hawkweed			0
Houstonia (Hedyotis) longifolia (canadense)	Long-Leaved Bluets	0.07		0.07
Hypericum pyramidatum	Great St. Johnswort			0
Hypoxis hirsuta	Yellow Star Grass			0
Hystrix patula (Elymus hystrix)	Bottlebrush Grass			0
Isanthus (Trichostema) brachiatus (m)	False Pennyroyal			0
Juncus greenei	Greene's Rush	7.3		7.3
Juncus tenuis	Path Rush	2.875		2.875

Koeleria cristata (macrantha)	Prairie June Grass	79.7		79.7
Lechea stricta	Bushy Pinweed			0
Lechea tenuifolia	Slender-Leaved Pinweed			0
Lespedeza capitata --	Round-headed Bush Clover	32.9		32.9
Liatris aspera	Rough Blazing-star (Rough Gayfeather)	31.25		31.25
Liatris cylindracea	Dwarf Blazingstar			0
Liatris pycnostachya	Tall Gayfeather; Prairie Blazing Star	85.01		85.01
Lilium michiganense	Turk's Cap lily			0
Linum sulcatum	Groved Yellow Flax			0
Lithospermum canescens	Hoary Puccoon			0
Lithospermum incisum	Fringed (Narrow-leaved) Puccoon			0
Lobelia cardinalis	Cardinal Flower			0
Lobelia inflata	Indian Tobacco	0.063		0.063
Lobelia siphilitica	Great Lobelia			0
Lobelia spicata	Pale-spike Lobelia			0
Lupinus perennis	Wild Lupine	1.9		1.9
Monarda fistulosa	Wild Bergamot	10.8		10.8
Monarda punctata villicualis	Horse Mint	28.65		28.65
Napaea dioica	Glade Mallow	0.41		0.41
Oenothera clelandii (rhombipetala)	Sand Evening Primrose	10.2		10.2
Onosmodium bejariense hispidissimum	Softhair Marbleseed			0
Onosmodium hispidissimum	Marbleseed	6.6		6.6
Oxalis violacea	Violet Wood-sorrel			0
Panicum oligosanthos scribneria	Scribner's Panic Grass	1.9		1.9
Parthenium integrifolium	Wild Quinine (Feverfew)	254.9		254.9
Pedicularis canadensis	Wood Betony	2.9		2.9
Pedicularis lanceolata	Fen (Swamp) Betony; Lousewort			0
Penstemon digitalis	Foxglove Beardtongue	37.6		37.6
Penstemon grandiflorus	Large Flowered Beardtongue			0
Penstemon hirsutus	Hairy Beard tongue	19.7		19.7
Petalostemum (Dalea) candidum	White Prairie Clover	68.6		68.6
Petalostemum (Dalea) purpureum	Purple Prairie Clover	189.71		189.71
Phlox bifida	Sand Phlox			0
Physocarpus opulifolius	Ninebark			0
Platanthera leucophaea	Eastern Prairie Fringed Orchid			0
Polygala incarnata **	Pink Milkwort	0.01		0.01
Polygala polygama obtusata	Purple Milkwort			0

Polygala sanguinea	Field Milkwort			0
Polytaenia nuttallii	Prairie Parsley			0
Potentilla arguta	Prairie Cinquefoil	25.9		25.9
Prenanthes aspera	Rough White Lettuce			0
Pycnanthemum virginianum	Mountain mint (Prairie Hyssop)	20.05		20.05
Ratibida pinnata	Yellow Coneflower	12		12
Rhus aromatica	Fragrant Sumac			0
Rosa carolina	Pasture Rose	6		6
Rudbeckia hirta	Black-eyed Susan	14.65		14.65
Ruellia humilis	Wild Petunia			0
Scirpus atrovirens	Dark Green Rush			0
Scirpus cyperinus	Wool Grass	10.2		10.2
Scutellaria parvula leonardi	Small Skullcap			0
Senecio plattensis	Prairie Ragwort	3.55		3.55
Silphium integrifolium	Rosinweed	25.05		25.05
Silphium laciniatum	Compass plant	59.24		59.24
Silphium perfoliatum	Cup-plant	22		22
Silphium terebinthaceum	Prairie Dock	76		76
Sisyrinchium albidum	Common Blue-eyed Grass			0
Solidago (Euthamia) graminifolia nuttallii	Grass-leaved Goldenrod	59.35		59.35
Solidago missouriensis fasciculata	Missouri Goldenrod	14.4		14.4
Solidago patula	Swamp Goldenrod			0
Spartina pectinata	Prairie Cord Grass			0
Sphenopholis obtusata	Prairie Wedge Grass	4.95		4.95
Spiranthes cernua	Nodding Ladies Tresses			0
Sporobolus heterolepis	Prairie Dropseed	172.59		172.59
Stipa spartea	Porcupine Grass	2.75		2.75
Taenidia integerrima	Yellow Pimpernel		0.01	0.01
Talinum rugospermum ***	Sand Farnflower	0.01		0.01
Tephrosia virginiana	Goat's Rue			0
Teucrium canadense	American Germander (Wood Sage)	15.5		15.5
Tradescantia ohiensis	Ohio Spiderwort	193.75		193.75
Triosteum aurantiacum	Early Horse Gentian (Orange-fruited)			0
Triosteum perfoliatum	Horse Gentian (Feverwort)(Tinker's Weed)			0
Verbena hastata	Blue Vervain	13		13
Verbena simplex	Narrow-leaved Vervain			0
Verbena stricta	Hoary Vervain	48.05		48.05

Verbena urticifolia	Hairy White Vervain	1.05		1.05
Veronicastrum virginicum	Culver's Root	18.1		18.1
Viola pedata lineariloba	Birdsfoot Violet			0
Viola sagittata	Arrow-leaved violet			0
Wulfenia bullii *** (Besseyia)	Kittentails			0
Zizia aptera	Heart-leaved Meadow Parsnip	3.2		3.2
Zizia aurea	Golden Alexanders	50.3		50.3
ODD MIXES				0
Little blue with cut stems no pure seed in 2012 and 2013		608.15		608.15
tall grasses combine - big blue and indian		492.7		492.7
Combined Asters and Oldfield GR		1081		1081

Planting Map

