

Planting 74 – Clear Creek Knolls (20 Acres N of Sand Farm) – Fall 2006

Description:

20 acre unit that is currently row crops. The unit is located in the Northern ½ of the SW ¼ quarter of the SE ¼ quarter and the Northern ½ if the SE ¼ quarter of the SW ¼ quarter Section 10 T 22N R10E. See attached Map

History:

During the 2005-2006 crop season the field was planted to corn. These areas we planted have been in row crop production for decades. Round up was sprayed around the unit spring of 2006 to push back weedy edges and reduce encroachment. Trees were removed along the eastern boundary of the planting. Crew of Kelly Nichols, Katie Schoenfeldt, Megan Grey, Stephanie Ma, Austin Webb, Nathan Bremer, Nathan Hill, Bill Kleiman, and Cody Considine collected the seed for this planting with a goal of 200 species.

Total Crew Seed Collection for 2006:

940 lbs from 185 species for all of the forbes
 267 lbs of Little Bluestem
 500+ lbs of Big Blue and Indian (still a ton from last year)
 200+ lbs of combined mixes

Planting Mix Breakdown:

Dry - 10 acres of the site.
 Mesic - 10 acres of the site.

Seed Needed:

Weight is calculated with the ADAM scale using 9-12lbs tare weight for barrel and lid
 *40% tallgrass (Indian and Big Blue) for mesic grass mix

2006 Planting #74 at CCK south 20ac just north of Sand Farm

MIX	ACRES	FORB		GRASS*		TOTAL
		RATE #s/ac	TOTAL #s	RATE #s/ac	TOTAL #s	
DRY	10	40	400	6.5	65	465
MESIC	10	38	380	6.5	65	445

Total for AirMAXX **780** **130** **910**

Dry Mix Breakdown

SCIENTIFIC NAME	COMMON NAME	Dry lbs
Agrostis hymenalis		
Allium cernuum	Tickle Grass	0.18
Amelanchier humilis	Nodding Wild Onion	0.175
Amorpha canescens	Serviceberry	0.3
Anemone cylindrical	Leadplant	7.3
Anemone patens (Pulsatilla p.)	Thimbleweed	2.6
Antennaria neglecta	Pasque Flower	0.1
Antennaria plantaginifolia	Field Cat's Foot	2.4
Aristida purpurascens	Pussy Toes (Everlasting)	3.36

Aronia (Pyrus) prunifolia (melanocarpa)	Arrow Feather	1.47
Artemisia caudata (campestris)	Black Chokeberry	0.2
Asclepias amplexicaulis	Beach Wormwood	5.5275
Asclepias syriaca	Sand Milkweed	0.05
Asclepias verticillata	Common Milkweed	0.03
Aster azureus (oolentangiensis)	Whorled Milkweed	1.04
Aster ericoides (prostratus)	Sky-blue Aster	3.05
Aster linariifolius	Heath Aster	4.59
Aster oblongifolius	Stiff Aster (Flax-Leaved)	0.15
Aster pilosus	Aromatic Aster	0.09
Aster sericeus	Hairy Aster	0.1
Aster umbellatus	Silky Aster	0.72
Astragalus canadensis	Flat-topped Aster	0.1875
Baptisia leucantha	Canadian Milk Vetch	5
Baptisia leucophaea	White Wild Indigo	38.04
Bills Mesic mix	Cream Wild Indigo	16.995
Bouteloua curtipendula		1.225
Bouteloua hirsuta	Side-Oats Grama	14
Cacalia atriplicifolia	Hairy Grama	0.2
Carex bicknellii	Pale Indian Plantain	1.415
Carex muhlenbergii (enervis)	Copper-shouldered oval Sedge	8.1
Carex pennsylvanica	Sand Bracted Sedge (Muhlenberg's)	1.4
Cassia fasciculata	Common Oak (Penn) Sedge	0.06
Castilleja sessiliflora **	Partridge Pea	0.0625
Ceanothus americanus	Downy Yellow Painted Cup	0.8
Chrysopsis camporum (Heterotheca)	New Jersey Tea	0.75
Cirsium hillii *** (pumilum)	Golden Prairie Aster	0.4
Comandra umbellata (richardsiana)	Hill's Thistle	0.35
Coreopsis lanceolata	False Toadflax	0.5
Coreopsis palmata	Sand Coreopsis	0.36
Coreopsis tripteris	Prairie Coreopsis	1.8
Crataegus sp	Tall Coreopsis	0.3
Cyperus filiculmis	Hawthorn	0.105
Danthonia spicata	Slender Sand Sedge	0.585
Desmodium illinoense	Poverty Oat Grass	4.3225
Dodecatheon meadia	Ill. Tick Trefoil	1.325
Dougs mix	Shooting Star	4.92
dry mesic mix		1.3
dry mix		2.82
Echinacea pallida		1
Elymus canadensis	Pale Purple Coneflower	58.45
Eragrostis spectabilis	Prairie Wild Rye	12.555
Erigeron strigosus	Purple Love Grass	0.8

<i>Eryngium yuccifolium</i>	Daisy Fleabane	0.6
<i>Eupatorium altissimum</i>	Rattlesnake Master	0.184
<i>Euphorbia corollata</i>	Tall Boneset	1.75
<i>Gentiana purberulenta</i>	Flowering Spurge	5.75
<i>Geum triflorum</i>	Prairie Gentian	0.05
<i>Gnaphalium obtusifolium</i>	Prairie Smoke (Long-plumed Purple Avens)	0.07
<i>Helianthemum canadense</i>	Sweet Everlasting (Old-Field Balsam)	0.7
<i>Helianthus occidentalis</i>	Common Rockrose (Frostweed)	0.26
<i>Heliopsis helianthoides</i>	Western Sunflower; Naked S.	0.09
<i>Heuchera richardsonii grayana</i>	False Sunflower; " Ox-eye "	0.275
<i>Hieracium gronovii</i>	Rough Heuchera; Alum root	0.2565
<i>Hypericum spaerocarpum</i>	Hairy Hawkweed	0.315
<i>Hypoxis hirsuta</i>	Round-fruited St. Johnswort	0.1
<i>Juncus interior</i>	Yellow Star Grass	0.05
<i>Koeleria cristata (macrantha)</i>	Inland Rush	1.98
<i>Krigia virginica</i>	Prairie June Grass - 54.65	37.225
<i>Kuhnia (Brickellia) eupatoroides corymbulosa</i>	Dwarf Dandelion	0.2
<i>Lechea stricta</i>	False Boneset	0.75
<i>Lechea tenuifolia</i>	Bushy Pinweed	0.42
<i>Lechea villosa (mucronata)</i>	Slender-Leaved Pinweed	2.375
<i>Leptoloma cognatum</i>	Hairy Pinweed	0.86
<i>Lespedeza capitata --</i>	Fall Witch Grass	1.89
<i>Liatris aspera</i>	Round-headed Bush Clover	7.625
<i>Liatris cylindracea</i>	Rough Blazing-star (Rough Gayfeather)	17.5175
<i>Linaria canadensis</i>	Dwarf Blazingstar	0.4
<i>Linum sulcatum</i>	Blue Toadflax	0.1
<i>Lithospermum canescens</i>	Groved Yellow Flax	0.525
<i>Lithospermum incisum</i>	Hoary Puccoon	0.5
<i>Lobelia spicata</i>	Fringed (Narrow-leaved) Puccoon	0.475
<i>Lupinus perennis</i>	Pale-spike Lobelia	0.1
<i>Lysimachia lanceolata</i>	Wild Lupine	0.2
<i>Mesic mix</i>	Lance-Leaved Loosestrife	0.025
<i>Monarda fistulosa</i>		0.975
<i>Monarda punctata villicualis</i>	Wild Bergamot	0.63
NUMBER OF SPECIES	Horse Mint	0.075
<i>Oenothera biennis canescens</i>		127
<i>Oenothera clelandii (rhombipetala)</i>	Common Evening Primrose	0.025
<i>Onosmodium hispidissimum</i>	Sand Evening Primrose	0.14
<i>Oxalis violacea</i>	Marbleseed	0.425
<i>Panicum oligosanthos scribneria</i>	Violet Wood-sorrel	0.12
<i>Panicum virgatum</i>	Scribner's Panic Grass	11.375
<i>Parthenium integrifolium</i>	Prairie Switch Grass	0.15

<i>Paspalum ciliatifolium muhlenbergii</i>	Wild Quinine (Feverfew)	10.975
<i>Penstemon digitalis</i>	Hairy Lens Grass	0.4
<i>Penstemon hirsutus</i>	Foxglove Beardtongue	0.58
<i>Petalostemum (Dalea) candidum</i>	Hairy Beard tongue	0.595
<i>Petalostemum (Dalea) purpureum</i>	White Prairie Clover	0.178
<i>Physocarpus opulifolius</i>	Purple Prairie Clover	8.25
<i>Phytolacca americana</i>	Ninebark	0.1
<i>Polygala polygama obtusata</i>	Pokeweed	0.05
<i>Polygala sanguinea</i>	Purple Milkwort	0.025
<i>Potentilla arguta</i>	Field Milkwort	0.1
<i>Prunus americana</i>	Prairie Cinquefoil	10.92
<i>Pycnanthemum virginianum</i>	Wild Plum	0.12
<i>Ratibida pinnata</i>	Mountain mint (Prairie Hyssop)	1.045
<i>Rosa carolina</i>	Yellow Coneflower	0.74
<i>Rudbeckia hirta</i>	Pasture Rose	7.175
<i>Ruellia humilis</i>	Black-eyed Susan	1.305
<i>Scutellaria parvula leonardi</i>	Wild Petunia	0.05
<i>Selaginella rupestris</i>	Small Skullcap	0.2
<i>Senecio pauperculus</i>	Sand Club moss	0.1
<i>Silphium integrifolium deamii</i>	Balsam Ragwort	0.13
<i>Silphium laciniatum</i>	Rosinweed	3.92
<i>Sisyrinchium albidum</i>	Compass plant	8.3
<i>Solidago (Euthamia) graminifolia nuttallii</i>	Common Blue-eyed Grass	0.63
<i>Solidago missouriensis fasciculata</i>	Grass-leaved Goldenrod	4.8
<i>Solidago nemoralis</i>	Missouri Goldenrod	5.25
<i>Solidago speciosa</i>	Gray Goldenrod; Oldfield	4.1
<i>Sorghastrum nutans</i>	Showy Goldenrod	1.75
<i>Specularia (Triodanis) perfoliata</i>	Indian Grass	0.04
<i>Sporobolus heterolepis</i>	Venus' Looking Glass	0.15
<i>Stipa spartea</i>	Prairie Dropseed	0.63
<i>Talinum rugospermum ***</i>	Porcupine Grass	2
TCP - Aster mix	Sand Fameflower	0.1
<i>Tephrosia virginiana</i>		3.1
<i>Tradescantia ohiensis</i>	Goat's Rue	1.225
<i>Triosteum perfoliatum</i>	Ohio Spiderwort	9.36
<i>Verbena stricta</i>	Horse Gentian (Feverwort)(Tinker's Weed)	1.825
<i>Viola pedata lineariloba</i>	Hoary Vervain	2.175
<i>Wulfenia bullii *** (Besseyia)</i>	Birdsfoot Violet	0.12
<i>Zizia aptera</i>	Kittentails	0.205
<i>Zizia aurea</i>	Heart-leaved Meadow Parsnip	0.525
	Golden Alexanders	3

MESIC MIX

SCIENTIFIC NAME	COMMON NAME	Mesic lbs
<i>Actinomeris (Verbesina) alternifolia</i>	Wingstem	2.875
<i>Agastache scrophulariaefolia</i>	Purple Giant Hyssop	0.1
<i>Agrostis hymenalis</i>	Tickle Grass	0.12
<i>Allium cernuum</i>	Nodding Wild Onion	1.225
<i>Amorpha canescens</i>	Leadplant	5.84
<i>Amorpha fruticosa</i>	Indigo Bush	0.9
<i>Anemone canadensis</i>	Meadow Anemone	0.03
<i>Anemone cylindrica</i>	Thimbleweed	2.6
<i>Angelica grandifolia</i>	Great Angelica	0.04
<i>Antennaria neglecta</i>	Field Cat's Foot	0.6
<i>Antennaria plantaginifolia</i>	Pussy Toes (Everlasting)	0.84
<i>Aristida purpurascens</i>	Arrow Feather	0.98
<i>Aronia (Pyrus) prunifolia (melanocarpa)</i>	Black Chokeberry	0.05
<i>Artemisia caudata (campestris)</i>	Beach Wormwood	4.5225
<i>Asclepias syriaca</i>	Common Milkweed	0.02
<i>Asclepias verticillata</i>	Whorled Milkweed	0.96
<i>Aster ericoides (prostratus)</i>	Heath Aster	3.06
<i>Aster linariifolius</i>	Stiff Aster (Flax-Leaved)	0.05
<i>Aster oblongifolius</i>	Aromatic Aster	0.06
<i>Aster sericeus</i>	Silky Aster	0.08
<i>Aster umbellatus</i>	Flat-topped Aster	0.1875
<i>Astragalus canadensis</i>	Canadian Milk Vetch	7.5
<i>Baptisia leucantha</i>	White Wild Indigo	38.04
<i>Baptisia leucophaea</i>	Cream Wild Indigo	13.905
Bills Mesic mix		1.225
<i>Bouteloua curtipendula</i>	Side-Oats Grama	3.5
<i>Cacalia atriplicifolia</i>	Pale Indian Plantain	9.905
<i>Carex bicknellii</i>	Copper-shouldered oval Sedge	5.4
<i>Carex muhlenbergii (enervis)</i>	Sand Bracted Sedge (Muhlenberg's)	0.6
<i>Carex pennsylvanica</i>	Common Oak (Penn) Sedge	0.06
<i>Cassia fasciculata</i>	Partridge Pea	0.125
<i>Ceanothus americanus</i>	New Jersey Tea	0.75
<i>Chrysopsis camporum (Heterotheca)</i>	Golden Prairie Aster	0.4
<i>Cirsium discolor</i>	Pasture Thistle	0.2
<i>Coreopsis lanceolata</i>	Sand Coreopsis	0.09
<i>Coreopsis palmata</i>	Prairie Coreopsis	1.2
<i>Coreopsis tripteris</i>	Tall Coreopsis	2.1
<i>Crataegus sp</i>	Hawthorn	0.105

Cyperus filiculmis	Slender Sand Sedge	0.065
Desmodium illinoense	Ill. Tick Trefoil	1.1925
Dodecatheon meadia	Shooting Star	2.46
Dougs mix		1.3
dry mesic mix		6.58
dry mesic mix		0.5
Echinacea pallida	Pale Purple Coneflower	58.45
Elymus canadensis	Prairie Wild Rye	12.555
Eragrostis spectabilis	Purple Love Grass	0.64
Erigeron strigosus	Daisy Fleabane	0.15
Eryngium yuccifolium	Rattlesnake Master	7.82
Eupatorium altissimum	Tall Boneset	1.75
Eupatorium perfoliatum	Boneset	0.035
Euphorbia corollata	Flowering Spurge	5.75
Gentiana (alba) flavida	Cream Gentian	0.525
Gnaphalium obtusifolium	Sweet Everlasting (Old-Field Balsam)	0.25
Helianthemum canadense	Common Rockrose (Frostweed)	0.12
Helianthus occidentalis	Western Sunflower; Naked S.	0.06
Heliopsis helianthoides	False Sunflower; " Ox-eye "	0.275
Heuchera richardsonii grayana	Rough Heuchera; Alum root	0.285
Hieracium gronovii	Hairy Hawkweed	0.135
Hypericum pyramidatum	Great St. Johnswort	0.342
Juncus interior	Inland Rush	2.97
Koeleria cristata (macrantha)	Prairie June Grass -	54.65
Kuhnia (Brickellia) eupatoroides corymbulosa	False Boneset	0.75
Lechea stricta	Bushy Pinweed	0.28
Lechea tenuifolia	Slender-Leaved Pinweed	0.125
Lechea villosa (mucronata)	Hairy Pinweed	0.86
Leptoloma cognatum	Fall Witch Grass	0.81
Lespedeza capitata --	Round-headed Bush Clover	7.625
Liatris aspera	Rough Blazing-star (Rough Gayfeather)	8.085
Liatris pycnostachya	Tall Gayfeather; Prairie Blazing Star	0.55
Linum sulcatum	Groved Yellow Flax	0.225
Lithospermum incisum	Fringed (Narrow-leaved) Puccoon	0.475
Lupinus perennis	Wild Lupine	0.2
Lysimachia lanceolata	Lance-Leaved Loosestrife	0.025
Mesic mix		1.1
Mesic mix		0.975
Monarda fistulosa	Wild Bergamot	0.63
Monarda punctata villicualis	Horse Mint	0.075
NUMBER OF SPECIES		119
Oenothera biennis canescens	Common Evening Primrose	0.025
Oenothera clelandii (rhombipetala)	Sand Evening Primrose	0.06

<i>Onosmodium hispidissimum</i>	Marbleseed	0.425
<i>Oxalis violacea</i>	Violet Wood-sorrel	0.03
<i>Panicum oligosanthos scribneria</i>	Scribner's Panic Grass	11.375
<i>Panicum virgatum</i>	Prairie Switch Grass	0.25
<i>Parthenium integrifolium</i>	Wild Quinine (Feverfew)	10.975
<i>Paspalum ciliatifolium muhlenbergii</i>	Hairy Lens Grass	0.4
<i>Penstemon digitalis</i>	Foxglove Beardtongue	0.87
<i>Penstemon hirsutus</i>	Hairy Beard tongue	0.255
<i>Petalostemum (Dalea) candidum</i>	White Prairie Clover	8.722
<i>Petalostemum (Dalea) purpureum</i>	Purple Prairie Clover	6.75
<i>Physocarpus opulifolius</i>	Ninebark	0.05
<i>Phytolacca americana</i>	Pokeweed	0.05
<i>Polygala polygama obtusata</i>	Purple Milkwort	0.025
<i>Polygala sanguinea</i>	Field Milkwort	0.1
<i>Potentilla arguta</i>	Prairie Cinquefoil	10.92
<i>Prunus americana</i>	Wild Plum	0.12
<i>Pycnanthemum virginianum</i>	Mountain mint (Prairie Hyssop)	4.18
<i>Ratibida pinnata</i>	Yellow Coneflower	0.74
<i>Rosa carolina</i>	Pasture Rose	3.075
<i>Rudbeckia hirta</i>	Black-eyed Susan	1.305
<i>Rudbeckia subtomentosa</i>	Sweet Blackeyed Susan	0.95
<i>Scrophularia marilandica</i>	Late Figwort	0.005
<i>Senecio pauperculus</i>	Balsam Ragwort	0.07
<i>Silphium integrifolium deamii</i>	Rosinweed	1.68
<i>Silphium laciniatum</i>	Compass plant	8.3
<i>Silphium perfoliatum</i>	Cup-plant	5.1375
<i>Silphium terebinthaceum</i>	Prairie Dock	0.8925
<i>Sisyrinchium albidum</i>	Common Blue-eyed Grass	0.42
<i>Solidago (Euthamia) graminifolia nuttallii</i>	Grass-leaved Goldenrod	4.8
<i>Solidago missouriensis fasciculata</i>	Missouri Goldenrod	5.25
<i>Solidago nemoralis</i>	Gray Goldenrod; Oldfield	4.1
<i>Solidago speciosa</i>	Showy Goldenrod	1.4
<i>Sorghastrum nutans</i>	Indian Grass	0.06
<i>Sporobolus heterolepis</i>	Prairie Dropseed	0.7
<i>Tephrosia virginiana</i>	Goat's Rue	0.98
<i>Tradescantia ohioensis</i>	Ohio Spiderwort	9.36
<i>Triosteum perfoliatum</i>	Horse Gentian (Feverwort)(Tinker's Weed)	1.825
<i>Verbena hastata</i>	Blue Vervain	0.3525
<i>Verbena stricta</i>	Hoary Vervain	0.725
<i>Vernonia fasciculata</i>	Common Ironweed	0.06
<i>Veronicastrum virginicum</i>	Culver's Root	3.34
<i>Viola pedata lineariloba</i>	Birdsfoot Violet	0.12
<i>Viola sagittata</i>	Arrow-leaved violet	0.015

Zizia aptera
Zizia aurea

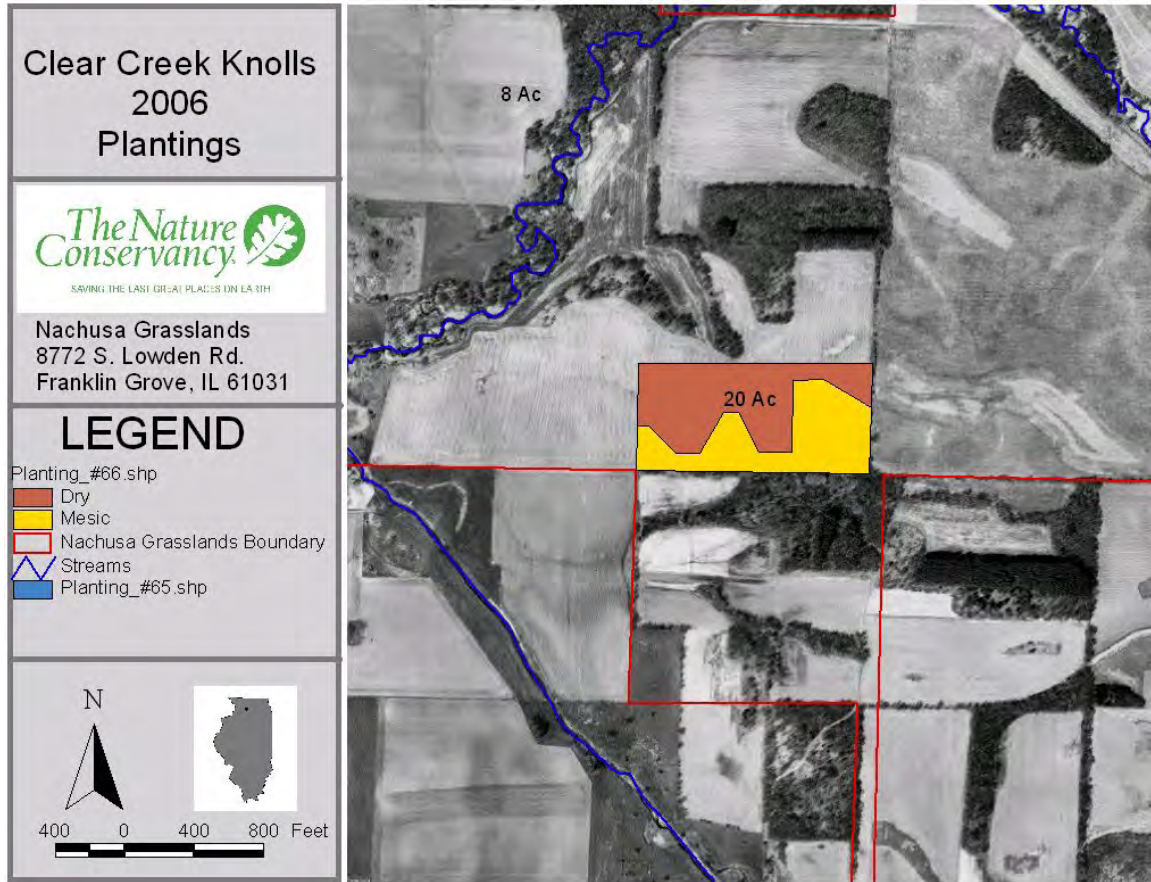
Heart-leaved Meadow Parsnip
Golden Alexanders

0.525
3

Planting Description:

Specialty Seed Planting Needed:

Several bags of specialty seeds were planted by hand.



END.

CCK in SW Planting 74

6/14/2011

Nachusa

Franklin Grove

Ogle

IL

USA

FQA DB R Chicago Region

FQA DB P 1994

FQA DB D Swink, F. and G. Wilhelm. 1994. Plants of the Chicago Region, 4th ed., Indiana Academy of Science, Indianapolis, 921 p.

Practitioner Mike Jones & Bill Kleiman

Latitude: 41.87394

Longitude: -89.34689

Weather Notes:

Duration Notes:

Community Type Notes:

Other Note Data recorded by Jocelyn Frazelle.

Private/Put Public

Conservatism-Based Metrics:

Total Mean 4.6

Native Mean 5.3

Total FQI: 43.9

Native FQI 47.1

Adjusted F 49.4

% C value 20.9

% C value 12.1

% C value 37.4

% C value 29.7

Native Tree 1.5

Native Shrub 7

Native Herb 5.3

Species Richness:

Total Species 91

Native Species 79 86.80%

Non-native 12 13.20%

Species Wetness:

Mean Wetness 2.9

Native Mean 3

Physiognomy Metrics:

Tree:	2	2.20%
Shrub:	2	2.20%
Vine:	0	0%
Forb:	75	82.40%
Grass:	9	9.90%
Sedge:	2	2.20%
Rush:	0	0%
Fern:	1	1.10%
Bryophyte:	0	0%

Duration Metrics:

Annual:	5	5.50%
Perennial:	79	86.80%
Biennial:	7	7.70%
Native Ann	4	4.40%
Native Per	71	78%
Native Bier	4	4.40%

Species:

Scientific N	Family	Acronym	Native?	C	W	Physiognor	Duration	Common Name
Achillea mi	n/a	ACHMIL	non-native		0	3 forb	perennial	yarrow
Ambrosia ε	n/a	AMBARE	native		0	3 forb	annual	common ragweed
Ambrosia t	n/a	AMBTRI	native		0	-1 forb	annual	giant ragweed
Amorpha c	n/a	AMOCAN	native		9	5 shrub	perennial	lead plant
Andropogo	n/a	ANDGER	native		5	1 grass	perennial	big bluestem grass
Anemone c	n/a	ANECYL	native		6	5 forb	perennial	thimbleweed
Antennaria	n/a	ANTPLA	native		3	5 forb	perennial	pussy toes
Artemisia c	n/a	ARTCAU	native		5	5 forb	biennial	beach wormwood
Asclepias \	n/a	ASCVER	native		1	5 forb	perennial	whorled milkweed
Aster erico	n/a	ASTERI	native		5	4 forb	perennial	heath aster
Aster laevi	n/a	ASTLAE	native		9	5 forb	perennial	smooth blue aster
Aster oblor	n/a	ASTOBL	native		10	5 forb	perennial	aromatic aster
Aster pilos	n/a	ASTPIL	native		0	2 forb	perennial	hairy aster
Aster seric	n/a	ASTSER	native		10	5 forb	perennial	silky aster
Astragalus	n/a	ASTCAN	native		10	5 forb	perennial	canadian milk vetch
Baptisia let	n/a	BAPLEA	native		8	2 forb	perennial	white wild indigo
Baptisia let	n/a	BAPLEO	native		10	5 forb	perennial	cream wild indigo
Bromus inc	n/a	BROINE	non-native		0	5 grass	perennial	hungarian brome
Cacalia atr	n/a	CACATR	native		8	5 forb	perennial	pale indian plantain
Carex bick	n/a	CXBICK	native		10	5 sedge	perennial	copper-shouldered oval sedge
Carex muh	n/a	CXMUHL	native		5	5 sedge	perennial	sand bracted sedge
Castilleja s	n/a	CASSES	native		10	5 forb	perennial	downy yellow painted cup

Chrysopsis n/a	CHRCAM	native	5	5 forb	perennial	golden aster
Cirsium dis n/a	CIRDIS	native	2	5 forb	biennial	pasture thistle
Cirsium vul n/a	CIRVUL	non-native	0	4 forb	biennial	bull thistle
Coreopsis n/a	CORLAN	native	5	3 forb	perennial	sand coreopsis
Coreopsis n/a	CORPAL	native	6	5 forb	perennial	prairie coreopsis
Coreopsis n/a	CORTRP	native	5	0 forb	perennial	tall coreopsis
Daucus car n/a	DAUCAR	non-native	0	5 forb	biennial	queen annes lace
Desmodiur n/a	DESILE	native	6	5 forb	perennial	illinois tick trefoil
Dodecathe n/a	DODMEA	native	6	3 forb	perennial	shooting star
Echinacea n/a	ECHPAL	native	8	5 forb	perennial	purple coneflower
Elymus car n/a	ELYCAN	native	4	1 grass	perennial	canada wild rye
Equisetum n/a	EQU LAE	native	2	-3 fern	perennial	smooth scouring rush
Erigeron ar n/a	ERIAN S	native	0	1 forb	biennial	annual fleabane
Eryngium y n/a	ERY YUC	native	9	-1 forb	perennial	rattlesnake master
Eupatoriur n/a	EUPALT	native	0	3 forb	perennial	tall boneset
Gleditsia tr n/a	GLETRI	native	2	0 tree	perennial	honey locust
Helianthus n/a	HELGRO	native	2	-2 forb	perennial	sawtooth sunflower
Heliopsis h n/a	HELHEL	native	5	5 forb	perennial	false sunflower
Hieracium n/a	HIELON	native	9	5 forb	perennial	long-bearded hawkweed
Koeleria cr n/a	KOECRI	native	7	5 grass	perennial	june grass
Kuhnia euç n/a	KUHEUC	native	6	5 forb	perennial	false boneset
Lactuca ca n/a	LACCAN	native	2	2 forb	biennial	wild lettuce
Lespedeza n/a	LESCAP	native	4	3 forb	perennial	round-headed bush clover
Liatris aspæ n/a	LIAASP	native	6	5 forb	perennial	rough blazing star
Lithosperm n/a	LITINC	native	8	5 forb	perennial	fringed puccoon
Lobelia spi n/a	LOBSPS	native	6	0 forb	perennial	pale spiked lobelia
Medicago l n/a	MEDLUP	non-native	0	1 forb	annual	black medick
Melilotus o n/a	MELLOF	non-native	0	3 forb	biennial	yellow sweet clover
Monarda fi: n/a	MONFIS	native	4	3 forb	perennial	wild bergamot
Panicum ol n/a	PANOLS	native	4	3 grass	perennial	scribners panic grass
Partheniur n/a	PARINT	native	8	5 forb	perennial	wild quinine
Penstemor n/a	PENDIG	native	4	1 forb	perennial	foxglove beard tongue
Penstemor n/a	PENHIR	native	9	5 forb	perennial	hairy beard tongue
Petalostem n/a	PETCAN	native	9	5 forb	perennial	white prairie clover
Petalostem n/a	PETPUR	native	9	5 forb	perennial	purple prairie clover
Phalaris ar n/a	PHAARU	non-native	0	-4 grass	perennial	reed canary grass
Plantago r: n/a	PLARUG	native	0	0 forb	annual	red-stalked plantain
Poa praten n/a	POAPRA	non-native	0	1 grass	perennial	kentucky blue grass
Potentilla n n/a	POTNOR	native	0	0 forb	annual	norway cinquefoil
Prunus ser n/a	PRUSER	native	1	3 tree	perennial	wild black cherry
Pycnanthei n/a	PYCTEN	native	7	0 forb	perennial	slender mountain mint
Pycnanthei n/a	PYCVIR	native	5	-4 forb	perennial	common mountain mint
Ratibida pii n/a	RATPIN	native	4	5 forb	perennial	yellow coneflower

Rosa carol n/a	ROSCAR	native	5	4 shrub	perennial	pasture rose
Rudbeckia n/a	RUDHIR	native	1	3 forb	perennial	black-eyed susan
Senecio pl: n/a	SENPLA	native	6	4 forb	perennial	prairie ragwort
Silphium in n/a	SILINI	native	5	5 forb	perennial	rosin weed
Silphium la n/a	SILLAC	native	5	5 forb	perennial	compass plant
Silphium p: n/a	SILPER	native	5	-2 forb	perennial	cup plant
Silphium te n/a	SILTER	native	5	3 forb	perennial	prairie dock
Sisyrinchiu n/a	SISALB	native	7	3 forb	perennial	common blue-eyed grass
Solidago c: n/a	SOLCAN	native	1	3 forb	perennial	canada goldenrod
Solidago g: n/a	SOLGRG	native	4	-2 forb	perennial	common grass-leaved goldenrod
Solidago g: n/a	SOLGYM	native	5	0 forb	perennial	viscid grass-leaved goldenrod
Solidago m: n/a	SOLMIF	native	7	5 forb	perennial	missouri goldenrod
Solidago n: n/a	SOLNEM	native	4	5 forb	perennial	old-field goldenrod
Solidago ri: n/a	SOLRIG	native	4	4 forb	perennial	stiff goldenrod
Solidago s: n/a	SOLSPE	native	7	5 forb	perennial	showy goldenrod
Sporobolus n/a	SPOHET	native	10	4 grass	perennial	prairie dropseed
Stipa spart n/a	STISPA	native	7	5 grass	perennial	porcupine grass
Taraxacum n/a	TAROFF	non-native	0	3 forb	perennial	common dandelion
Tradescant n/a	TRAOHI	native	2	2 forb	perennial	common spiderwort
Trifolium h: n/a	TRIHYP	non-native	0	1 forb	perennial	alsike clover
Trifolium p: n/a	TRIPRA	non-native	0	5 forb	perennial	red clover
Trifolium re n/a	TRIREP	non-native	0	2 forb	perennial	white clover
Verbena h: n/a	VERHAS	native	4	-4 forb	perennial	blue vervain
Verbena st n/a	VERSTR	native	4	5 forb	perennial	hoary vervain
Zizia apter: n/a	ZIZAPT	native	10	3 forb	perennial	heart-leaved meadow parsnip
Zizia aurea n/a	ZIZAUR	native	7	-1 forb	perennial	golden alexanders