

## Planting 55 – Headquarters Barn Field – Fall 2002

Late November 2002 we planted approx. 4 acres east and south of Headquarters Barn with diverse Mix of Dry/Mesic species at about 30 pounds bulk weight per acre, using forced air spreader with Potash as carrier. Seed was rolled in with a cultipacker. This seemed to work well to make soil/seed contact.

Field was “Round-up Ready” soybeans for two years and prior to that it was fallow and Sally Baumgardner had been trying to add prairie seed over the years she owned it (10 years+ ?). She agreed that starting over with a row crop would put us ahead of overseeding into a fallow field.

We also sprayed edges with Round-up after soy beans were harvested and before we planted.

The weights are for all the acres we planted in 2002 (there were an additional 26 acres planted at the Sand Farm with this seed.) - Bill and Susan Kleiman

Dry Mesic			2002
Nodding Wild Onion	Allium cernuum		5.0 oz
Leadplant	Amorpha canescens		3.0 lb
Little blue stem	Andropogon (Schizachyrium)		
Thimbleweed	Anemone cylindrica		3.0 lb
Pasque Flowers	Anemone patens		0.3 oz
Pussy Toes	Antennaria plantaginifolia		8.0 oz
Stiff Sandwort	Arenaria stricta		5.0 oz
Beach Wormwood	Artemisia caudata (campestris)		3.0 lb
White Sage	Artemisia ludouiciiana gnaphalode		5.0 oz
Whorled milkweed	Asclepias verticillata		0.9 oz
Azure Aster	Aster asureas		5.7 oz
Sky Blue Aster	Aster azureus (oolentangiensis)		
Heath Aster	Aster ericoides		9.0 oz
Smooth Blue Aster	Aster laevis		
Stiff Aster	Aster linariifolius		
Aromatic Aster	Aster oblongifolius		3.8 oz
Silky aster	Aster sericeus		
Canada Milk Vetch	Astragalus canadensis		0.1 oz
Cream Wild Indigo	Baptisia leucophaea		
White Wild Indigo	Baptista leucantha		14 lb
Side Oats Gramma	Bouteloua curtipendula		4.0 lb
Mustache Grass	Boutoloun hirsuta		0.9 oz
Pale Indian Plantain	Cacalia atriplicifolia		
Sand Bracted Sedge	Carex muhlenbergii (enervis)		
Common Oak Sedge	Carex pennsylvanica		
Downy Yellow Painted Cup	Castilleja sessiflora		x
New Jersey tea	Ceanothus americanus		6.0 lb
Sand Coreopsis	Coreopsis lanceolata		3.0 lb
Prairie coreopsis	Coreopsis palmata		3.0 lb
Tall coreopsis	Coreopsis tripteris		12 oz
Cyperus	Cyperus filicumis		6.4 oz
Round Headed Sedge	Cyperus filicumis		x

Poverty Oats	Danthonia spicata		15 oz
Showy tick trefoil	Desmodium canadense		
Tick Trefoil	Desmodium illinoense		x
Illinois tick trefoil	Desmodium illnoense		
Shooting Star	Dodecatheon meadia		2.0 lb
Pale Purple Coneflower	Echinacea pallida		92 lb
Rattlesnake master	Eryngium yuccifolium		23 lb
Common Boneset	Eupatorium perfoliatum		4.0 oz
Flowering Spurge	Euphorbia corollata		2.0 lb
Bottle Gentain	Gentiana andrewsii		1.6 oz
Prairie gentian	Gentiana purberulenta		
Prairie Smoke	Genum triflorum		x
Sweet everlasting	Gnaphaleum obtusifolium		9.0 oz
Rock Rose	Helianthemum bicknellii		0.3 oz
Western sunflower	Helianthus occidentalis		8.0 lb
Prairie Sunflower	Helianthus rigidus		5.6 oz
False sunflower	Heliopsis helianthoides		2.0 lb
Hairy Hawkweed	Hieracium gronovii		x
False boneset	Kuhnia eupatoroides		1.0 lb
Dwarf Blazing Star	Latris cylindraceae		x
Round Headed Bush Clover	Lespedeza capitata		3.0 lb
Rough Blazing Star	Liatris aspera		8.0 lb
Grooved yellow flax	Linum sulcatum		x
Hoary Puccoon	Lithosperrmum canescens		0.9 oz
Fringed Puccoon	Lithosperrmum incisum		0.9 oz
Wild Bergamot	Monarda fisculosa		6.0 lb
Horse mint	Monarda punctata villicualis		7.0 oz
Sand evening primrose	Oenathera cleandii		x
Marbleseed	Onosmodium hispidissimum		x
Prickly pear cactus	Opuntia macrohiza		x
Violet Wood-sorel	Oxalis videcea		8.0 oz
Scribers Panic Grass	Panicum obligosanthos scribneria		15 lb
White Haired Panic Grass	Panicum villosissmum		15 lb
Wild quinine	Parthenium integrifolium		7.0 lb
Foxglove Beard Tongue	Penstemon digitalis		11 lb
Large- flowered Beard Tongue	Penstemon grandiflorous		1.0 oz
Hairy Beard Tongue	Penstemon hirsutus		x
Pale Beard Tongue	Penstemon pallidus		9.0 oz
Purple prairie clover	Petalostemum (Dalea) purpureum		13 lb
White prairie clover	Petalostemum candidum		4.0 lb
Purple milkwort	Polygala polygama obtusata		
Field Milkwort	Polygala sanguinea		1.0 oz
Prairie Cinquefoil	Potentilla arguta		5.0 lb
Mountain Mint	Pycnanthemum viriginianum		1.0 lb
Yellow coneflower	Ratibida pinnata		8.0 lb
Pasture rose	Rosa carolina		4.0 lb
Black-eyed susan	Rudbeckia hirta		3.0 lb
Sweet black-eyed susan	Rudbeckia subtomentosa		2.0 lb

Rosin weed	<i>Silphium integrifolium</i>		3.0 lb
Compass Plant	<i>Silphium laciniatum</i>		12 lbs
Cup Plant	<i>Silphium perfoliatum</i>		7.0 lb
Prairie Dock	<i>Silphium terebinthaceum</i>		3.0 oz
Upright Carrion Flower	<i>Smilax ecirrata</i>		4.0 oz
Missouri Goldenrod	<i>Solidago missouriensis fasciculata</i>		
Showy Goldenrod	<i>Solidago speciosa</i>		36 lb
Venus Looking Glass	<i>Specularia perfoliata</i>		x
Nodding Ladies tresses	<i>Spiranthes cernua</i>		x
Prairie dropseed	<i>Sporobolus heterolepis</i>		13 oz
Porcuoine grass	<i>Stipa spartea</i>		1.0 lb
Goat's Rue	<i>Tephrosia virginiana</i>		2.0 oz
Blue Vervain	<i>Verbena hastata</i>		2.0 oz
Hoary vervain	<i>Verbena stricta</i>		7.6 oz
Culver's Root	<i>Veronicastrum virginicum</i>		0.6 oz
Kittentails	<i>Wulfenia ballii</i>		4.5 oz
Golden Alexander	<i>Zizia aurea</i>		11 oz
Alum Root	<i>Heuchera richardsonii grayana</i>		4.5 oz
Bee Balm	<i>Monarda Fistulosa</i>		
Bicknel Sedge	<i>Carex bicknellii</i>		1.0 oz
Blue-eyed grass	<i>Sisyrinchium albidum</i>		2.0 oz
Canada Anemone	<i>Anemone canadensis</i>		1.0 oz
Canada wild rye	<i>Elymus canadensis</i>		303 lb
Common grass leaved goldenrod	<i>Solidago (Euthamia) graminifolia</i>		
Flax Leaved Aster	<i>Aster linariifolius</i>		
Frostweed	<i>Helianthemum canadense</i>		x
Gayfeather	<i>Liatris pycnostachya</i>		7.0 oz
Golden Aster	<i>Chrysopsis camporum</i>		x
Ironweed	<i>Vernonia fasciculata</i>		1.0 oz
June Grass	<i>Koeleria cristata</i>		2.0 lb
Path Rush	<i>Juncus tenuis</i>		2.0 lb
Lupine	<i>Lupinus perennis</i>		x
Purple Milkwort	<i>Polygala polygama obtusata</i>		
Old field Goldenrod	<i>Solidago nemoralis</i>		4.0 lb
Scribner's Panic Grass	<i>Panicum oligosanthos</i>		
Spiderwort	<i>Tradescantia ohiensis</i>		6.0 lb
Three Awn Grass			0.9 oz
White haired panic grass	<i>Panicum villosissimum</i>		0.5 oz
Wild coffee	<i>Triosteum aurantiacum</i>		
Beach Wormwood	<i>Artemisia caudate (campestris)</i>		0.3 oz
			101 species

## Headquarters Barn Field, #55 – First Planted Fall 2002

Susan Kleiman here: In the 3<sup>rd</sup> week of February of 2004 I planted a light overseed mix of 1.8 lbs/acre of Dry Mix and 1 lb./acre of little bluestem using the new Vicon Spreader that attaches to the tractor's PTO. This was done on a layer of snow (1-8 inches thick) which then melted the following week. I used this field as an experimental area for the new seed spreader and I think some areas got less per acre than others. So we may add more if the ground dries sufficiently but before the seedlings green-up.

I added a small amount (a pinch or two) of prairie phlox, this seed was from Dave Derwent from some remnants in Pecatonica area. I planted it on the due east of the lawn grass overflow parking.

Dry mix contained as follows:

<b>Gravel or Sand (Dry)</b>				<b>2003</b>
Leadplant	<i>Amorpha canescens</i>			3.5 lb
Little blue stem	<i>Andropogon (Schizachyrium)</i>			
Thimbleweed	<i>Anemone cylindrica</i>			12 oz
Pussy Toes	<i>Antennaria plantaginifolia</i>			1.8 oz
Stiff Sandwort	<i>Arenaria stricta</i>			3.0 oz
Three Awn Grass	<i>Aristida dichotoma</i>			
Chokeberry	<i>Aronia prunifolia</i>			
Beach Wormwood	<i>Artemisia caudata</i>			
Whorled milkweed	<i>Asclepias verticillata</i>			5.5 oz
Sky Blue Aster	<i>Aster azureus (oolentangiensis)</i>			
Heath Aster	<i>Aster ericoides</i>			
Smooth Blue Aster	<i>Aster laevis</i>			
Flax Leaved Aster	<i>Aster linariifolius</i>			
Stiff Aster	<i>Aster linarilifolius</i>			
Aromatic Aster	<i>Aster oblongifolius</i>			
Silky aster	<i>Aster sericeus</i>			
Aster mix	<i>Aster sp.</i>			4.8 oz
Canada Milk Vetch	<i>Astragalus canadensis</i>			1.1 oz
White Wild Indigo	<i>Baptisia leucantha</i>			1.8 lb
Cream Indigo	<i>Baptisia leucophaea</i>			0.1 oz
Side Oats	<i>Bouteloua curtipendula</i>			4.3 lb
Copper-shouldered oval Sedge	<i>Carex bicknellii</i>			12 oz
Bicknel Sedge	<i>Carex bicknellii</i>			
Sand Bracted Sedge	<i>Carex muhlenbergii (enervis)</i>			12 oz
Common Oak Sedge	<i>Carex pennsylvanica</i>			
Carex sp.	<i>Carex sp.</i>			0.9 oz
Golden aster	<i>Chrysopsis camporum</i>			7 oz
False Toadflax	<i>Comandra umbellata</i>			1.4 oz
Prairie coreopsis	<i>Coreopsis palmata</i>			1.0 lb
Slender Sand Sedge	<i>Cyperus filiculmis</i>			1.0 lb
Poverty Oats	<i>Danthonia spicata</i>			1.0 lb
Illinois tick trefoil	<i>Desmodium illnoense</i>			9.5 oz
Shooting Star	<i>Dodecatheon meadia</i>			8.0 oz

Pale Purple Coneflower	<i>Echinacea pallida</i>			1.8 lb
Flowering Spurge	<i>Euphorbia corollata</i>			
Prairie gentian	<i>Gentiana purberulenta</i>			
Frostweed	<i>Helianthemum canadense</i>			
Stiff Haired Sunflower	<i>Helianthus hirsuta</i>			6.0 oz
Western sunflower	<i>Helianthus occidentalis</i>			1.2 lb
Alum Root	<i>Heuchera richardsonii grayana</i>			
Hairy hawkweed	<i>Hieracium gronovii</i>			3.47 oz
Inland Rush	<i>Juncus interior</i>			8.8 oz
June Grass	<i>Koeleria cristata</i>			15.6 oz
Dwarf Dandelion	<i>Krigia virginica</i>			1.4 oz
False Boneset	<i>Kuhnia Eupatoides</i>			2.4 lb
Slender-leaved Pinweed	<i>Lechea tenuifolia</i>			0.9 oz
Round Headed Bush Clover	<i>Lespedeza capitata</i>			1.15 lb
Rough Blazing Star	<i>Liatris aspera</i>			1.55 lb
Dwarf Blazingstar	<i>Liatris cylidracea</i>			7.25 oz
Cylindrical Blazing Star (Dwarf)	<i>Liatris cylindracea</i>			
Grooved Yellow Flax	<i>Linum sulcatum</i>			1.6 oz
Fringed Puccoon	<i>Lithospermum incisum</i>			3.4 oz
Lupine	<i>Lupinus perennis</i>			
Horse mint	<i>Monarda punctata villicualis</i>			12.8 oz
Violet Wood Sorrel	<i>Oxalis violacea</i>			1.2 oz
Scribner's Panic Grass	<i>Panicum oligosanthos scribneria</i>			
Panic grass	<i>Panicum sp.</i>			1..75 oz
White haired panic grass	<i>Panicum villosissimum</i>			
Wild quinine	<i>Parthenium integrifolium</i>			2.67 lb
Hairy lens grass	<i>Paspalum ciliatifolium muhlenben</i>			
Hairy Beard Tongue	<i>Penstemon hirsutus</i>			
White prairie clover	<i>Petalostemum (Dalea) candidum</i>			
Purple prairie clover	<i>Petalostemum (Dalea) purpureum</i>			4.9 lb
Purple milkwort	<i>Polygala polygama obtusata</i>			
Field Milkwort	<i>Polygala sanguinea</i>			1.8 oz
Milkwort	<i>Polygala sp.</i>			
Prairie Cinquefoil	<i>Potentilla arguta</i>			2.4 lb
Yellow Coneflower	<i>Ratibida pinnata</i>			0.4 oz
Sunshine Rose	<i>Rosa arkansana var. sulfata</i>			3.2 oz
Pasture rose	<i>Rosa carolina</i>			1.95 lb
Black-eyed Susan	<i>Rudbeckia hirta</i>			
Sweet black-eyed susan	<i>Rudbeckia subtomentosa</i>			4.0 oz
Rosinweed	<i>Silphium integrifolium</i>			6.4 oz
Prairie Dock	<i>Silphium terebinthaceum</i>			1.0 oz
Common Blue-eyed Grass	<i>Sisyrinchium albidum</i>			5.6 oz
Common grass leaved goldenrod	<i>Solidago gymnospermoides</i>			1.9 lb
Missouri Goldenrod	<i>Solidago missouriensis fasciculata</i>			11.2 oz
Old field Goldenrod	<i>Solidago nemoralis</i>			11.2 oz
Showy Goldenrod	<i>Solidago speciosa</i>			4.8 lb
Northern Dropseed	<i>Sporobolus</i>			7.2 oz

Sand Dropseed	Sporobolus cryptandrus			10.4 oz
Porcupine Grass	Stipa spartea			6.4 oz
Sand Fameflower	Talinum rugospermum			1.0 oz
Goat's Rue	Tephrosia virginiana			9.6 oz
Spiderwort	Tradescantia ohiensis			
Wild coffee	Triosteum aurantiacum			
Hoary Vervain	Verbena stricta			10.8 oz
Kittentail	Wulfenia bullii			
Golden Alexander	Zizia aurea			2.6 oz

## 89 Plants

# Headquarter Planting Inventory #55 June 13, 2006

Note: We started with a preserve plant list and placed a 1 next to the plants that were found in the planting on this day. Then we sorted to make all those species with a 1 come to the top of the page. So the entire species list is here, with the #55 at the top. List made on this day by Nate Hill and Bill Kleiman.

Swink/Wilh	INPS	Planting	55	COMMON NAME	SCIENTIFIC NAME	FAMILY
6		3		1 Balsam Ragwort	Senecio pauperculus	Comp
5		4		1 Beach Wormwood	Artemisia caudata (campestris)	Comp
.		.		1 Black Medic	Medicago lupulina	Legu
1		2		1 Black-eyed Susan	Rudbeckia hirta	Comp
.		.		1 Bladder campion	Silene cucubalus	Caryo
1		1		1 Canada Goldenrod	Solidago canadensis	Comp
0		0		1 Common Milkweed	Asclepias syriaca	Asclp
5		5		1 Compass plant	Silphium laciniatum	Comp
10		8		1 Copper-shouldered oval Sec	Carex bicknellii	Cypera
5		4		1 Cup-plant	Silphium perfoliatum	Comp
.		.		1 English Plantain	Plantago lanceolata	Planta
5		4		1 False Sunflower; " Ox-eye "	Heliopsis helianthoides	Comp
2		3		1 Flowering Spurge	Euphorbia corollata	Euphor
4		4		1 Foxglove Beardtongue	Penstemon digitalis	Scroph
7		6		1 Golden Alexanders	Zizia aurea	Umbel
	5	5		1 Golden aster	Chrysopsis camporum	Comp
4		3		1 Grass-leaved Goldenrod	Solidago (Euthamia) graminifolia nuttallii	Comp
9		8		1 Hairy Beard tongue	Penstemon hirsutus	Scroph
5		4		1 Heath Aster	Aster ericoides (prostratus)	Comp
4		2		1 Hoary Vervain	Verbena stricta	Verbe
6		5		1 Ill. Tick Trefoil	Desmodium illinoense	Legu
5		4		1 Indian Grass	Sorghastrum nutans	Grami
.		.		1 Japanese Chess	Bromus japonicus	Grami
.		8		1 Large-flowered Beard tongu	Penstemon grandiflorus **	Scroph
5		5		1 Little Bluestem	Andropogon (Schizachyrium) scoparium	Grami
7		4		1 Missouri Goldenrod	Solidago missouriensis fasciculata	Comp
4		3		1 Ohio Spiderwort	Tradescantia ohiensis	Comm
8		7		1 Pale Purple Coneflower	Echinacea pallida	Comp
9		10		1 Prairie Cinquefoil	Potentilla arguta	Rosac

7	7	1	Prairie June Grass	<i>Koeleria cristata (macrantha)</i>	Grami
4	4	1	Prairie Wild Rye	<i>Elymus canadensis</i>	Grami
9	7	1	Rattlesnake Master	<i>Eryngium yuccifolium</i>	Umbel
5	5	1	Rosinweed	<i>Silphium integrifolium</i>	Comp
4	4	1	Round-headed Bush Clover	<i>Lespedeza capitata --</i>	Legu
5	5	1	Sand Bracted Sedge (Muhl)	<i>Carex muhlenbergii (enervis)</i>	Cypera
5	5	1	Sand Coreopsis	<i>Coreopsis lanceolata</i>	Comp
4	3	1	Scribner's Panic Grass	<i>Panicum oligosanthes scribneria</i>	Grami
7	7	1	Showy Goldenrod	<i>Solidago speciosa</i>	Comp
10 [15]	9	1	Silky Aster	<i>Aster sericeus</i>	Comp
4	4	1	Stiff Goldenrod	<i>Solidago rigida</i>	Comp
6	8	1	Thimbleweed	<i>Anemone cylindrica</i>	Ranan
4	2	1	Venus' Looking Glass	<i>Specularia (Triodanis) perfoliata</i>	Camp
10	7	1	Western Sunflower; Naked S	<i>Helianthus occidentalis</i>	Comp
.	2	1	White Sage; Prairie Sage	<i>Artemisia ludoviciana gnaphalodes</i>	Comp
4	4	1	Wild Bergamot	<i>Monarda fistulosa</i>	Labia
.	.	1	Yarrow	<i>Achillea millefolium</i>	Comp
4	4	1	Yellow Coneflower	<i>Ratibida pinnata</i>	Comp
-----	-----		----- Liverwort	<i>Ricciocarpus natens</i>	Bryoph
7	6		Alexander's Angelica; Great	<i>Angelica atropurpurea</i>	Umbel
.	.		Alfalfa	<i>Medicago sativa</i>	Legu
.	4		Alkali Bulrush	<i>Scirpus paludosus (maritimus)</i>	Cypera
8	7		Allegheny Shadblow	<i>Amelanchier leavis</i>	Rosac
.	.		Alsike	<i>Trifolium hybridum</i>	Legu
3	5		American Elm	<i>Ulmus americana</i>	Ulmac
3	3		American Germander (Woo	<i>Teucrium canadense</i>	Labia
5	4		American Hazelnut	<i>Corylus americana</i>	Betula
5	5		American Linden	<i>Tilia americana</i>	Tilliac
7	6		American or Purple Vetch	<i>Vicia americana</i>	Legu
7	5		American Water Meal	<i>Wolffia columbiana</i>	Lemna
.	.		Amur Honeysuckle	<i>Lonicera maackii</i>	Caprif
1	0		Annual Bedstraw, Cleavers	<i>Galium aparine</i>	Rubia
0	1		Annual Fleabane	<i>Erigeron annuus</i>	Comp
.	.		Apple	<i>Malus pumila</i>	Rosac
10 [15]	7		Aromatic Aster	<i>Aster oblongifolius</i>	Comp
5	5		Arrow Feather	<i>Aristida purpurascens</i>	Grami
8	5		Arrowleaf Tear Thumb	<i>Polygonum sagittatum</i>	Polygo
7	6		Arrow-leaved violet	<i>Viola sagittata</i>	Viola
.	.		Asparagus	<i>Asparagus officinalis</i>	Liliac



2	1	Aunt Lucy	Ellisia nyctelea	Hydrop
.	.	Autumn Olive	Elaeagnus umbellata	Elae
3	3	Awl-fruited Oval Sedge	Carex tribuloides	Cypera
0	.	Barnyard Grass	Echinochloa crusgalli	Grami
0	0	Beak-seeded Knotweed	Polygonum achoreum	Polygo
1	1	Beggar's Ticks	Bidens frondosa	Comp
5	5	Big Bluestem; Turkeyfoot	Andropogon gerardii	Grami
.	.	Birdsfoot Trefoil	Lotus corniculatus	Legu
9	7	Birdsfoot Violet	Viola pedata lineariloba	Viola
10	9	Bishop's Cap; Mitrewort	Mitella diphylla	Saxif
7	4	Bitternut Hickory	Carya cordiformis	Jugl
.	.	Black Bindweed	Polygonum convolvulus	Polygo
6	8	Black Chokeberry	Aronia (Pyrus) prunifolia (melanocarpa)	Rosac
5	4	Black Haw	Viburnum prunifolium	Caprif
.	1	Black Locust	Robinia pseudoacacia	Legu
5	6	Black Maple	Acer nigrum	Acera
0	0	Black Nightshade	Solanum americanum (ptycanthum)	Solan
6	5	Black Oak	Quercus velutina	Fagac
2	2	Black Raspberry	Rubus occidentalis	Rosac
6	6	Black Snakeroot	Sanicula marilandica	Umbel
5	4	Black Walnut	Juglans nigra	Jugl
4	3	Black Willow	Salix nigra	Salica
7	5	Bladdernut	Staphylea trifolia	Staphy
6	5	Bloodroot	Sanguinaria canadensis	Papav
8	6	Blue Beech (Am. Hornbeam)	Carpinus caroliniana	Betula
8	8	Blue Cohosh	Caulophyllum thalictroides	Berber
5	5	Blue Flag	Iris virginica shrevei	Irida
3	3	Blue Joint Grass	Calamagrostis canadensis	Grami
5	4	Blue Lettuce	Lactuca floridana	Comp
6	4	Blue Toadflax	Linaria canadensis	Scroph
4	3	Blue Vervain	Verbena hastata	Verbe
3	2	Blunt spike Rush	Eleocharis obtusa (ovata)	Cypera
7	6	Bog Clearweed	Pilea fontana	Urtica
10	10	Bog Goldenrod	Solidago uliginosa	Comp
4	4	Boneset	Eupatorium perfoliatum	Comp
8	7	Bottle (or Closed) Gentian	Gentiana andrewsii	Gent
5	5	Bottlebrush Grass	Hystrix patula (Elymus hystrix)	Grami
.	.	Bouncing Bet; Soapwort	Saponaria officinalis	Caryo
0	1	Box Elder	Acer negundo	Acera

0	0	Boxwood Knotweed	<i>Polygonum buxiforme</i>	Polygo
5	5	Bracken Fern	<i>Pteridium aquilinum latiusculum</i>	Polyp
5	7	Braod-leaved Panic Grass	<i>Panicum latifolium (boscii )</i>	Grami
5	3	Bristly Green Brier	<i>Smilax tamnoides hispida</i>	Liliac
5	6	Bristly Sedge	<i>Carex comosa</i>	Cypera
3	6	Broad-leaved Purple cone flc	<i>Echinacea purpurea</i>	Comp
4	4	Broad-leaved Woolly Sedge	<i>Carex pellita (lanuginosa)</i>	Cypera
2	3	Brown Fox Sedge	<i>Carex vulpinoidea</i>	Cypera
3	3	Brown-eyed Susan	<i>Rudbeckia triloba</i>	Comp
.	.	Buffalo bur	<i>Solanum rostratum (cordnutum)</i>	Solan
6	5	Bulbous Cress	<i>Cardamine bulbosa</i>	Cruc
.	.	Bull Thistle	<i>Cirsium vulgare</i>	Comp
5	3	Bur Cucumber	<i>Sicyos angulatus</i>	Cucurb
5	5	Bur Oak	<i>Quercus macrocarpa</i>	Fagac
6	6	Burdick's Leek	<i>Allium tricoccum burdicki</i>	Liliac
10	8	Bushy Pinweed	<i>Lechea stricta</i>	Cistac
7	5	Butterfly Weed	<i>Asclepias tuberosa interior</i>	Asclp
.	.	Butter-'n-Eggs	<i>Linaria vulgaris</i>	Scroph
5	4	Buttonbush	<i>Cephalanthus occidentalus</i>	Rubia
4	2	Calico (Starved) Aster	<i>Aster lateriflorus</i>	Comp
.	.	Canada Blue Grass	<i>Poa compressa</i>	Grami
6	5	Canada Hawkweed	<i>Hieracium canadense</i>	Comp
.	.	Canada Thistle	<i>Cirsium arvense</i>	Comp
9	10	Canada Violet	<i>Viola canadensis rugulosa ** (corymbosum)</i>	Viola
7	4	Canadian Black Snakeroot	<i>Sanicula canadensis</i>	Umbel
10 [15]	7	Canadian Milk Vetch	<i>Astragalus canadensis</i>	Legu
7	6	Canadian Rush	<i>Juncus canadensis</i>	Junc
8	8	Canadian St. Johnswort	<i>Hypericum canadense</i>	Hyperi
7	6	Cardinal Flower	<i>Lobelia cardinalis</i>	Lobel
10 (20)	9	Caroline Anemone	<i>Anemone caroliniana</i>	Ranan
.	.	Carpet Bugle	<i>Ajuga reptans</i>	Labia
.	.	Catalpa	<i>Catalpa Speciosa</i>	Bigno
.	.	Catnip	<i>Nepeta cataria</i>	Labia
1	1	Cattail (Broad-leaved)	<i>Typha latifolia</i>	Typha
.	.	Chickory	<i>Cichorium intybus</i>	Comp
.	.	Chickweed	<i>Stellaria media</i>	Caryo
3	3	Choke Cherry	<i>Prunus virginiana</i>	Rosac
	6	Chokeberry	<i>Aronia prunifolia</i>	Rosac
3	3	Cinnamon Willow Herb	<i>Epilobium coloratum</i>	Onagr

7	9	Clammy False Foxglove	Aureolaria (Gerardia) pedicularia ambigens	Scroph
3	2	Clammy Ground cherry	Physalis heterophylla	Solan
7	5	Clammy Hedge Hyssop	Gratiola neglecta	Scroph
5	3	Clearweed	Pilea pumila	Urtica
10 (20)	6	Cliff Fern	Woodsia obtusa	Polyp
1	2	Climbing False Buckwheat	Polygonum scandens	Polygo
2	2	Clustered Black Snakeroot	Sanicula gregaria	Umbel
10 [15]	9	Clustered Poppy Mallow	Callirhoe triangulata	Malva
.	.	Cocklebur	Xanthium strumarium canadensis	Comp
2	2	Cockspur Hawthorn	Crataegus crus-galli	Rosac
4	4	Common Arrowhead	Sagittaria latifolia	Alisma
3	2	Common Blackberry	Rubus allegheniensis	Rosac
3	3	Common blue Violet	Viola sororia (pratincola) ( papilionacea)	Viola
7	4	Common Blue-eyed Grass	Sisyrinchium albidum	Iridac
.	.	Common Buckthorn	Rhamnus cathartica	Rhamn
.	.	Common Burdock	Arctium minus	Comp
5	4	Common Carrion flower	Smilax lasioneura	Liliac
4	3	Common Cinquefoil (incl. D	Potentilla simplex (canadensis)	Rosac
.	.	Common Dandelion	Taraxacum officinale	Comp
4	2	Common Dodder	Cuscuta gronovii	Convo
0	1	Common Evening Primrose	Oenothera biennis canescens	Onagr
.	.	Common Flax	Linum usitatissimum	Linac
.	.	Common Fly Honeysuckle	Lonicera muendeniensis	Caprif
3	2	Common Fox Sedge	Carex stipata	Cypera
2	5	Common Gaura	Gaura biennis pitcheri (longiflora)	Onagr
.	.	Common Goat's Beard	Tragopogon pratensis	Comp
5	2	Common Hop	Humulus lupulus	Cann
5	5	Common Ironweed	Vernonia fasciculata	Comp
6	6	Common Lake Sedge	Carex lacustris	Cypera
.	.	Common Mallow; Cheeses	Malva neglecta	Malva
5	5	Common Oak (Penn) Sedge	Carex pennsylvanica	Cypera
.	.	Common oak sedge	Carex pennsylvanica	Cypera
0	0	Common Peppergrass	Lepidum virginicum	Cruc
.	.	Common Plantain	Plantago major	Planta
0	0	Common Ragweed	Ambrosia artemesiifolia elatior	Comp
8	7	Common Rockrose (Frostwe	Helianthemum canadense	Cistac
3	3	Common Satin Grass	Muhlenbergia frondosa	Grami
.	.	Common Sow Thistle	Sonchus uliginosus (arvensis glabrascens)	Comp
.	.	Common St. Johnswort	Hypericum perforatum	Hyperi

9	5	Common stiff Sedge	Carex tetanica	Cypera
5	3	Common Water Horehound	Lycopus americanus	Labia
4	2	Common Water Plantain	Alisma subcordatum (Plantagoaquatica amer.)	Alisma
5	5	Common Wood Reed	Cinna arundinacea	Grami
1	2	Common wood sedge	Carex blanda	Cypera
.	.	Corn Speedwell	Veronica arvensis	Scroph
2	2	Cottonwood	Populus deltoides	Salica
.	.	Cow Vetch	Vicia cracca	Legu
7	7	Cowbane	Oxypolis rigidor	Umbel
9	9	Cream Gentian	Gentiana (alba) flavida	Gent
10 [15]	9	Cream Wild Indigo	Baptisia leucophaea	Legu
.	.	Creeping Charlie (Gill-over-t	Glechoma hederacea micrantha	Labia
4	3	Crested Oval Sedge	Carex cristatella	Cypera
10	8	Crested Wood (Shield) Fer	Dryopteris cristata ( x bootii)	Polyp
7	6	Culver's Root	Veronicastrum virginicum	Scroph
.	.	Curly Dock	Rumex crispus	Polygo
4	5	Curly-styled Wood Sedge	Carex rosea (C. convoluta)	Cypera
6 [15]	4	Cut-leaved Grape Fern	Botrychium dissectum obliquum	Ophio
-----	6	Cut-leaved Grape Fern Bror	Botrychium dissectum dissectum	Ophio
5	2	Daisy Fleabane	Erigeron strigosus	Comp
.	.	Dame's Rocket	Hesperis matronalis	Cruc
4	4	Dark Green Rush	Scirpus atrovirens	Cypera
9	9	Dark-scaled Sedge	Carex buxbaumii	Cypera
.	.	Deptford Pink	Dianthus armeria	Caryo
3	2	Dewberry	Rubus flagellaris	Rosac
5	5	Dinky Duckweed	Lemna miniscula (minuta)	Lemna
5	2	Ditch Stonecrop	Penthorum sedoides	Saxif
4	6	Dogbane (Indian Hemp)	Apocynum cannabinum (X medium)	Apocy
2	2	Dotted Hawthorn	Crataegus punctata	Rosac
.	.	Downy Brome	Bromus tectorum	Grami
2	2	Downy Hawthorn	Crataegus mollis	Rosac
4	3	Downy Lens Grass	Paspalum ciliatifolium stramineum	Grami
10 (20)	10	Downy Yellow Painted Cup	Castilleja sessiliflora **	Scroph
2	3	Drummond's Aster	Aster sagittifolius drummondii	Comp
5	3	Drummond's False Nettle	Boehmeria cylindrica drummon diana	Urtica
4	4	Dudley's Rush	Juncus dudleyi	Junc
6	5	Dutchman's Breeches	Dicentra cucullaria	Fumar
8	8	Dwarf Blazingstar	Liatris cylindracea	Comp
6	4	Dwarf Dandelion	Krigia virginica	Comp

1	3	Dwarf Plantain	<i>Plantago virginica</i>	Planta
6	5	Early Buttercup	<i>Ranunculus fascicularis</i>	Ranun
5	5	Early figwort	<i>Scrophularia lanceolata</i>	Scroph
5	4	Early Goldenrod	<i>Solidago juncea</i>	Comp
5	5	Early Horse Gentian (Orange)	<i>Triosteum aurantiacum</i>	Caprif
5	7	Early Low Blueberry	<i>Vaccinium angustifolium laevifolium</i>	Ericac
9	6	Early Oak Sedge	<i>Carex umbellata</i>	Cypera
5	4	Early wild Rose	<i>Rosa blanda</i>	Rosac
2	1	Eastern Red Cedar	<i>Juniperus virginiana crebra</i>	Pinac
4	4	Ebony Spleenwort	<i>Asplenium platyneuron</i>	Polyp
1	2	Elderberry	<i>Sambucus canadensis</i>	Caprif
5	5	Elm-leaved Goldenrod	<i>Solidago ulmifolia</i>	Comp
1	2	Enchanter's Nightshade	<i>Circaea lutetiana canadensis</i>	Onagr
.	.	Expressway Sedge	<i>Carex praegracilis</i>	Cypera
4	6	False Boneset	<i>Kuhnia (Brickellia) eupatoroides corymbulosa</i>	Comp
8	7	False Mermaid	<i>Floerkea prosperpinacoides</i>	Limna
2	3	False Nettle	<i>Boehmeria cylindrica</i>	Urtica
8	7	False Pennyroyal	<i>Isanthus (Trichostema) brachiatus (m)</i>	Labia
7	6	False Toadflax	<i>Comandra umbellata (richardsiana)</i>	Santal
9	9	Fen (Swamp) Betony; Louse	<i>Pedicularis lanceolata</i>	Scroph
8	6	Fescue Oval Sedge	<i>Carex festucacea</i>	Cypera
.	.	Field Bindweed	<i>Convolvulus arvensis</i>	Convo
4	4	Field Cat's Foot	<i>Antennaria neglecta</i>	Comp
1	2	Field Dodder	<i>Cuscuta campestris</i>	Convo
.	.	Field Hawkweed	<i>Hieracium caespitosum (pratense)</i>	Comp
6	5	Field Milkwort	<i>Polygala sanguinea</i>	Polyga
2	2	Field Oval Sedge	<i>Carex molesta</i>	Cypera
.	.	Field Sorrel (Sheep Sorrel)	<i>Rumex acetosella</i>	Polygo
2	2	Fireweed	<i>Erechtites hieracifolia</i>	Comp
9	8	Flat-topped Aster	<i>Aster umbellatus</i>	Comp
8	7	Florist's Wood Fern	<i>Dryopteris intermedia (spinulosa)</i>	Polyp
.	.	Flower-of-an-Hour	<i>Hibiscus trionum</i>	Malva
10 (20)	9	Forked Aster	<i>Aster furcatus ***</i>	Comp
.	.	Four O'Clock	<i>Mirabilis nyctaginea (oxybaphus)</i>	Nycta
4	4	Fowl Manna Grass	<i>Glyceria striata</i>	Grami
6	4	Fragile Fern	<i>Cystopteris fragilis protrusa</i>	Polyp
8	8	Fringed (Narrow-leaved) Puffin	<i>Lithospermum incisum</i>	Borag
10	10	Fringed Brome	<i>Bromus ciliatus</i>	Grami
10	10	Fringed Gentian	<i>Gentiana (Gentianopsis) crinita</i>	Gent

4	4	Fringed Loosestrife	<i>Lysimachia ciliata</i>	Primul
5	3	Frosted Hawthorn	<i>Crataegus pruinosa</i>	Rosac
.	.	Garlic Mustard	<i>Alliaria petiolata (officinalis)</i>	Cruc
.	.	Giant Foxtail	<i>Setaria faberi</i>	Grami
.	.	Giant Green Foxtail	<i>Setaria viridis major</i>	Grami
0	0	Giant Ragweed	<i>Ambrosia trifida</i>	Comp
10	4	Glade Mallow	<i>Napaea dioica</i>	Malva
8	7	Goat's Rue	<i>Tephrosia virginiana</i>	Legu
5	5	Golden Prairie Aster	<i>Chrysopsis camporum (Heterotheca)</i>	Comp
8	8	Golden-seeded Spike Rush	<i>Eleocharis elliptica</i>	Cypera
10	9	Graceful Sedge	<i>Carex gracilima</i>	Cypera
.	.	Grape Hyacinth	<i>Muscari botryoides</i>	Lilia
10	9	Grass of parnassus	<i>Parnassia glauca</i>	Saxif
5	4	Grass Sedge	<i>Carex jamesii</i>	Cypera
9	5	Grass-leaved Rush	<i>Juncus marginatus</i>	Junc
1	2	Gray Dogwood	<i>Cornus racemosa</i>	Corna
3	3	Gray Germander	<i>Teucrium occidentale</i>	Labia
4	3	Gray Goldenrod; Oldfield	<i>Solidago nemoralis</i>	Comp
5	4	Great Bulrush	<i>Scirpus validus creber (tabernaemontanii)</i>	Cypera
10	10	Great Chickweed	<i>Stellaria pubera</i>	Caryo
6	4	Great Lobelia	<i>Lobelia siphilitica</i>	Lobel
10 (20)	8	Great St. Johnswort	<i>Hypericum pyramidatum</i>	Hyperi
8	7	Great Water dock	<i>Rumex orbiculatus</i>	Polygo
1	2	Green Ash	<i>Fraxinus pennsylvanica subinterrima</i>	Oleac
7	4	Green Brier; Cat Brier	<i>Smilax rotundifolia</i>	Liliac
7	4	Green dragon	<i>Arisaema dracontium</i>	Arac
.	.	Green Foxtail	<i>Setaria viridis</i>	Grami
8	7	Greene's Rush	<i>Juncus greenei</i>	Junc
7	3	Ground Nut	<i>Apios Americana</i>	Legu
8	8	Groved Yellow Flax	<i>Linum sulcatum</i>	Linac
.	.	Gum Plant (Gumweed)	<i>Grindelia squarrosa</i>	Comp
3	3	Hackberry	<i>Celtis occidentalis</i>	Ulmac
4	4	Hair Sedge	<i>Bulbostylis capillaris</i>	Cypera
0	0	Hairy Aster	<i>Aster pilosus</i>	Comp
.	.	Hairy Crab Grass	<i>Digitaria ischaemum</i>	Grami
8	9	Hairy Grama (mustache gra:	<i>Bouteloua hirsuta</i>	Grami
10	6	Hairy Green Milkweed	<i>Asclepias hirtella</i>	Asclp
.	3	Hairy Ground Cherry	<i>Physalis pubescens</i>	Solan
6	5	Hairy Hawkweed	<i>Hieracium gronovii</i>	Comp

6	3	Hairy Lens Grass	<i>Paspalum ciliatifolium muhlenbergii</i>	Grami
6	7	Hairy Pinweed	<i>Lechea villosa (mucronata)</i>	Cistac
9	7	Hairy Sunflower	<i>Helianthus mollis</i>	Comp
3	3	Hairy Sweet Cicely	<i>Osmorhiza claytonii</i>	Umbel
5	3	Hairy White Vervain	<i>Verbena urticifolia</i>	Verbe
7	4	Hairy Wild Licorice	<i>Galium circaezans hypomala cum</i>	Rubia
5	6	Hairy Wood Sedge	<i>Carex hirtifolia</i>	Cypera
7	6	Hairyfruited Lake Sedge	<i>Carex trichocarpa</i>	Cypera
0	1	Heal-all; Self-heal	<i>Prunella vulgaris lanceolata (elongata)</i>	Labia
10	9	Heart-leaved Meadow Parsr	<i>Zizia aptera</i>	Umbel
10	5	Heart-leaved Skullcap	<i>Scutellaria ovata versicolor</i>	Labia
5	8	Heart-leaved Willow	<i>Salix eriocephala</i>	Salica
1	1	Hedge Bindweed	<i>Convolvulus (Calystegia) sepium</i>	Convo
.	.	Hedge Mustard	<i>Sisymbrium officinale</i>	Cruc
.	.	Hemp	<i>Cannabis sativa</i>	Morac
10 (20)	7	Hill's Thistle	<i>Cirsium hillii *** (pumilum)</i>	Comp
5	5	Hispid sunflower	<i>Helianthus hirsutus</i>	Comp
.	.	Hoary Alyssum	<i>Berteroa incana</i>	Cruc
6	6	Hoary Puccoon	<i>Lithospermum canescens</i>	Borag
4	4	Hog Peanut	<i>Amphicarpa bracteata</i>	Legu
2	1	Honewort	<i>Cryptotaenia canadensis</i>	Umbel
2	2	Honey Locust	<i>Gleditsia triacanthos</i>	Legu
9	9	Hooded Violet	<i>Viola cucullata (obliqua)</i>	Viola
5	5	Hooked Buttercup	<i>Ranunculus recurvatus</i>	Ranun
5	4	Hop Hornbeam	<i>Ostrya virginica</i>	Betula
5	5	Horse Gentian (Feverwort)(	<i>Triosteum perfoliatum</i>	Caprif
5	5	Horse Mint	<i>Monarda punctata villicualis</i>	Labia
.	0	Horse Nettle	<i>Solanum carolinense</i>	Solan
0	0	Horsetail	<i>Equisetum arvense</i>	Equis
0	0	Horseweed	<i>Erigeron (Conyza) canadensis</i>	Comp
.	.	Hound's Tongue	<i>Cynoglossum officinale</i>	Borag
----	----	HYBRID Bush Clover	<i>Lespedeza capitata X leptostachya</i>	Legu
.	.	Hybrid Crack Willow	<i>Salix X Rubens</i>	Salica
10 [15]	10	Indian Plantain	<i>Cacalia plantaginea (tuberosa)</i>	Comp
4	4	Indian Tobacco	<i>Lobelia inflata</i>	Lobel
6	6	Indigo Bush	<i>Amorpha fruticosa</i>	Legu
6	3	Inland Rush	<i>Juncus interior</i>	Junc
9	9	Interrupted Fern	<i>Osmunda claytoniana</i>	Osmu

3	3	Iowa Crab	<i>Malus ioensis</i>	Rosac
.	.	Ivy-Leaved Morning Glory	<i>Ipomea hederacea</i>	Convo
4	4	Jack-in-the-Pulpit	<i>Arisaema triphyllum (atrorubens)</i>	Arac
5	5	Jacob's Ladder	<i>Polemonium reptans</i>	Polem
.	.	Japanese Barberry	<i>Berberis thunbergii</i>	Rosac
3	3	Jerusalem Artichoke	<i>Helianthus tuberosus</i>	Comp
.	.	Jimson Weed	<i>Datura stramonium</i>	Solan
.	.	Kentucky Blue Grass	<i>Poa pratensis</i>	Grami
10 (20)	8	Kittentails	<i>Wulfenia bullii *** (Besseyia)</i>	Scroph
0	0	Knee Grass	<i>Panicum dichotomiflorum</i>	Grami
.	.	Knotweed	<i>Polygonum aviculare</i>	Polygo
8	6	Lady Fern	<i>Athyrium filix-femina michauxii (angustum)</i>	Polyp
.	.	Lady's Thumb	<i>Polygonum persicaria</i>	Polygo
7	5	Lance-fruited Oval (Broom)	<i>Carex scoparia</i>	Cypera
4	3	Lance-leaved Ground Cherr	<i>Physalis virginiana (lanceolata)</i>	Solan
7	6	Lance-Leaved Loosestrife	<i>Lysimachia lanceolata</i>	Primul
7	7	Lance-leaved Violet	<i>Viola lanceolata</i>	Viola
0	1	Late Boneset	<i>Eupatorium serotinum</i>	Comp
4	4	Late Figwort	<i>Scrophularia marilandica</i>	Scroph
4	3	Late Goldenrod	<i>Solidago gigantea</i>	Comp
9	8	Leadplant	<i>Amorpha canescens</i>	Legu
5	4	Leafy Satin Grass	<i>Muhlenbergia mexicana</i>	Grami
.	.	Lion's Tail	<i>Leonurus marrubiastrum</i>	Labia
5	5	Lobed Blue Violet	<i>Viola subsinuata (triloba)</i>	Viola
4	4	Long-awned Bracted sedge	<i>Carex gravida</i>	Cypera
9	6	Long-Bearded Hawkweed	<i>Hieracium longipilum</i>	Comp
.	.	Long-bristled Smartweed	<i>Polygonum ceptiosum</i>	Polygo
10 (20)	7	Long-Leaved Bluets	<i>Houstonia (Hedyotis) longifolia (canadense)</i>	Rubia
1	0	Long-scaled Nut Sedge	<i>Cyperus strigosus</i>	Cypera
6	7	Long-scaled Tussock sedge	<i>Carex haydenii (stricta)</i>	Cypera
.	.	Long-stalked Cranesbill	<i>Geranium columbinum</i>	Geran
10	9	Long-stalked Panic Grass	<i>Panicum perlongum</i>	Grami
3	4	Loose-headed Bracted Sedg	<i>Carex spargainoides</i>	Cypera
4	4	Lopseed	<i>Phyrma leptostachya</i>	Phryma
5	4	Lowland Hog Peanut	<i>Amphicarpa bracteata comosa</i>	Legu
5	4	Mad-dog Skullcap	<i>Scutellaria lateriflora</i>	Labia
10	6	Maidenhair Fern	<i>Adiantum pedatum</i>	Polyp
9	5	Marbleseed	<i>Onosmodium hispidissimum</i>	Borag
8	8	Marsh Bellflower	<i>Campanula aparinoides</i>	Camp



9	7	Marsh blue Grass	<i>Poa palustris</i>	Grami
4	4	Marsh Cress	<i>Rorippa palustris fernaldiana ( islandica )</i>	Cruc
4	3	Marsh Fleabane	<i>Erigeron philadelphicus</i>	Comp
5	7	Marsh Marigold	<i>Caltha palustris</i>	Ranan
5	4	Marsh Purslane	<i>Ludwigia palustris americana</i>	Onagr
6	7	Marsh Shield Fern	<i>Dryopteris thelypteris pubescens (Thelypteris palustris)</i>	Polyp
8	10	Marsh St. Johnswort	<i>Hypericum (Triadenum) virginicum fraseri</i>	Hyperi
6	6	Marsh Vetchling	<i>Lathyrus palustris myrtifolius</i>	Legu
10	10	Marsh Wild Timothy	<i>Muhlenbergia glomerata</i>	Grami
4	4	May Apple	<i>Podophyllum peltatum</i>	Berber
4	4	Meadow Anemone	<i>Anemone canadensis</i>	Ranan
7	6	Meadowsweet	<i>Spiraea alba</i>	Rosac
6	5	Monkey Flower	<i>Mimulus ringens</i>	Scroph
6	4	Moonseed	<i>Menispermum canadense</i>	Menisp
.	.	Moth Mullein	<i>Verbascum blattaria</i>	Scroph
.	.	Motherwort	<i>Leonurus cardiaca</i>	Labia
5	5	Mountain mint (Prairie Hyss	<i>Pycnanthemum virginianum</i>	Labia
.	.	Mouse-ear Chickweed	<i>Cerastium vulgatum</i>	Caryo
.	.	Mullein	<i>Verbascum thapsus</i>	Scroph
8	7	Mullein foxglove	<i>Seymeria (Dasistoma) macrophylla</i>	Scroph
.	.	Multiflora Rose	<i>Rosa multiflora</i>	Rosac
10	9	N. Bog Orchid	<i>Habenaria (Platenthera) hyperborea huronensis</i>	Orchd
5	4	Nannyberry Viburnum	<i>Viburnum lentago</i>	Caprif
10	10	Narrow-leaved (Tall) Cotton	<i>Eriophorum angustifolium ** (viridi-carinatum)</i>	Cypera
9	8	Narrow-Leaved (Whorled) L	<i>Lysimachia quadriflora</i>	Primul
10	5	Narrow-leaved Blue-eyed G	<i>Sisyrinchium angustifolium</i>	Iridac
-----	7	Narrow-leaved Bluets	<i>Houstonia (Hedyotis) nigricans</i>	Rubia
7	4	Narrow-leaved Mountain Mir	<i>Pycnanthemum tenuifolium</i>	Labia
8	5	Narrow-leaved Oval Sedge	<i>Carex tenera</i>	Cypera
4	4	New England Aster	<i>Aster novae-angliae</i>	Comp
6	8	New Jersey Tea	<i>Ceanothus americanus</i>	Rhamn
8	7	Ninebark	<i>Physocarpus opulifolius</i>	Rosac
5	2	Nodding Bur-marigold	<i>Bidens cernua</i>	Comp
5	5	Nodding Fescue	<i>Festuca obtusa (subverticillata)</i>	Grami
7	4	Nodding Ladies Tresses	<i>Spiranthes cernua</i>	Orchd
.	.	Nodding Thistle (Musk Thist	<i>Carduus nutans</i>	Comp
7	7	Nodding Wild Onion	<i>Allium cernuum</i>	Liliac
7	7	Northern Bedstraw	<i>Galium borale</i>	Rubia
9	8	Northern bog violet	<i>Viola nephrophylla</i>	Viola

7	7	Northern Bugle Weed	<i>Lycopus uniflorus</i>	Labia
0	0	Norway Cinquefoil	<i>Potentilla norvegica</i>	Rosac
9	10	Ohio Goldenrod	<i>Solidago ohioensis</i>	Comp
1	0	Old Witch Grass	<i>Panicum capillare</i>	Grami
2	2	Old-field Panic Grass	<i>Panicum implicatum (languinosa)</i>	Grami
10	7	One-flowered Dewberry	<i>Rubus enslenii</i>	Rosac
----	10	Oneida Grape Fern	<i>Botrychium oneidense</i>	Ophio
4	4	Ontario Aster	<i>Aster ontarionis (missouriensis)</i>	Comp
.	.	Orange Daylily	<i>Hemerocallis fulva</i>	Liliac
7	6	Orange Grass	<i>Hypericum gentianoides</i>	Hyperi
.	.	Orchard Grass	<i>Dactylis glomerata</i>	Grami
.	.	Osage Orange	<i>Maclura pomifera</i>	Morac
.	.	Ox-eye Daisy	<i>Chrysanthemum leucanthemum</i>	Comp
6	6	Pale Beard Tongue	<i>Penstemon pallidus</i>	Scroph
2	2	Pale Dock	<i>Rumex altissimus</i>	Polygo
6	4	Pale Dogwood	<i>Cornus obliqua</i>	Corna
8	5	Pale Indian Plantain	<i>Cacalia atriplicifolia</i>	Comp
6	4	Pale Touch-Me-Not (Jewelw	<i>Impatiens pallida</i>	Balsa
6	4	Pale-spike Lobelia	<i>Lobelia spicata</i>	Lobel
5	1	Partridge Pea	<i>Cassia fasciculata</i>	Legu
10	9	Pasque Flower	<i>Anemone patens (Pulsatilla p.)</i>	Ranan
5	4	Pasture Rose	<i>Rosa carolina</i>	Rosac
2	3	Pasture Thistle	<i>Cirsium discolor</i>	Comp
0	0	Path Rush	<i>Juncus tenuis</i>	Junc
3	2	Pellitory	<i>Parietaria pennsylvanica</i>	Urtica
4	3	Pennsylvania Bitter Cress	<i>Cardamine pennsylvanica</i>	Cruc
.	.	Penny Cress	<i>Thlaspi arvense</i>	Cruc
.	.	Perennial Rye Grass	<i>Lolium perenne</i>	Grami
7	6	Petioled Willow	<i>Salix petiolaris</i>	Salica
10	10	Pink Milkwort	<i>Polygala incarnata **</i>	Polyga
0	1	Pinkweed	<i>Polygonum pennsylvanicum laevigatum</i>	Polygo
4	4	Plains Oval Sedge	<i>Carex brevior</i>	Cypera
5	3	Pointed Tick Trefoil	<i>Desmodium glutinosum</i>	Legu
.	.	Poison Hemlock	<i>Conium maculatum</i>	Umbel
2	1	Poison ivy	<i>Rhus (Toxiodendrcon) radicans</i>	Anaca
1	1	Pokeweed	<i>Phytolacca americana</i>	Phytol
9	8	Polypody	<i>Polypodium virginianum (vulgare)</i>	Polyp
0	1	Poor Joe; Bracted plantain	<i>Plantago aristata</i>	Planta
5	6	Porcupine (Bottlebrush) Sed	<i>Carex hystericina "hystericina"</i>	Cypera

7	6	Porcupine Grass	Stipa spartea	Grami
3	3	Poverty Oat Grass	Danthonia spiciflora	Grami
10 (20)	10	Prairie Bush Clover	Lespedeza leptostachya ****	Legu
4	4	Prairie Cord Grass	Spartina pectinata	Grami
6	6	Prairie Coreopsis	Coreopsis palmata	Comp
10 (20)	9	Prairie Dandelion	Agoseris cuspidata** (Nothocalais)	Comp
5	4	Prairie Dock	Silphium terebinthaceum	Comp
10	9	Prairie Dropseed	Sporobolus heterolepis	Grami
10	9	Prairie Gentian	Gentiana purberulenta	Gent
10	10	Prairie Hummock sedge	Carex richardsonii	Cypera
2	2	Prairie Indian Hemp	Apocynum sibiricum	Apocy
10 [15]	10	Prairie Lily; Wood Lily; West	Lilium philadelphicum andinum	Liliac
6	6	Prairie Obedient Plant	Physostegia virginiana arenaria	Labia
10	7	Prairie Panic Grass	Panicum leibergii	Grami
10 [15]	8	Prairie Parsley	Polytaenia nuttallii	Umbel
6	6	Prairie Ragwort	Senecio plattensis	Comp
10 [15]	9	Prairie Smoke (Long-plume)	Geum triflorum	Rosac
10	8	Prairie Star Sedge	Carex interior	Cypera
8	6	Prairie Sunflower	Helianthus rigidus (laetiflorus)	Comp
5	4	Prairie Switch Grass	Panicum virgatum	Grami
9	9	Prairie Violet	Viola pedatifida	Viola
6	5	Prairie Willow	Salix humilis	Salica
3	4	Prickly Ash	Xanthoxylum americanum	Rutac
.	.	Prickly Lettuce	Lactuca scariola (scariola)	Comp
5	5	Prickly Pear Cactus	Opuntia humifusa (compressa)	Cact
5	4	Prickly Wild Gooseberry	Ribes cynosbati	Saxif
6	6	Purple (Pink) Gerardia	Agalinis (Gerardia) purpurea	Scroph
5	5	Purple Giant Hyssop	Agastache scrophulariaefolia	Labia
7	5	Purple Joe-Pye Weed	Eupatorium purpureum	Comp
3	3	Purple Love Grass	Eragrostis spectabilis	Grami
5	5	Purple Meadow Rue	Thalictrum dasycarpum	Ranun
8	7	Purple Milkweed	Asclepias purpurascens	Asclp
9	7	Purple Milkwort	Polygala polygama obtusata	Polyga
9	8	Purple Prairie Clover	Petalostemum (Dalea) purpureum	Legu
6	4	Purple Twayblade	Liparis liliifolia	Orchd
0	0	Purslane Speedwell	Veronica peregrina	Scroph
3	4	Pussy Toes (Everlasting)	Antennaria plantaginifolia	Comp
2	4	Pussy Willow	Salix discolor	Salica
.	.	Quack Grass	Agropyron repens	Grami

4	3	Quaking aspen	Populus tremuloides	Salica
.	.	Queen Anne's Lace	Daucus carota	Umbel
10 (20)	10	Queen-of-the-Prairie	Filipendula rubra **	Rosac
10	9	Ragged Fringed Orchid	Habenaria (Platenthera) lacera	Orchd
6	4	Rattlesnake Fern	Botrychium virginianum	Ophio
5	5	Red (Prairie) Trillium	Trillium recurvatum	Liliac
5	5	Red Ash	Fraxinus pennsylvanica ????	Oleac
10	8	Red Baneberry	Actaea rubra	Ranun
.	.	Red Clover	Trifolium pratense	Legu
10 [15]	4	Red Mulberry	Morus rubra	Morac
7	5	Red Oak	Quercus rubra	Fagac
.	.	Red Orache	Atriplex rosea	Chen
3	6	Red Raspberry	Rubus idaeus strigosus	Rosac
6	4	Red-Osier Dogwood	Cornus stolonifera	Corna
2	3	Red-rooted Spike Rush	Eleocharis erythropoda (calva)	Cypera
0	0	Red-stalked Plantain	Plantago rugelii	Planta
.	.	Redtop	Agrostis alba	Grami
.	.	Reed Canary Grass	Phalaris arundinacea	Grami
-----		Reindeer Lichen	Claydonia furcata	Lichen
4	3	Rice Cut Grass	Leersia oryzoides	Grami
7	7	Riddell's goldenrod	Solidago riddellii	Comp
4	3	River Bulrush	Scirpus fluviatilis	Cypera
6	6	Riverbank Sedge	Carex emoryi	Cypera
5	6	Riverbank Wild Rye	Elymus riparius	Grami
5	5	Rosinweed	Silphium integrifolium deamii	Comp
6	7	Rough Blazing-star (Rough	Liatris aspera	Comp
.	3	Rough Dropseed	Sporobolus asper	Grami
8	5	Rough Hawkweed	Hieracium scabrum	Comp
8	7	Rough Heuchera; Alum root	Heuchera richardsonii grayana	Saxif
2	2	Rough Pennyroyal	Hedoma hispida	Labia
9	5	Rough-clustered Sedge	Carex cephaloidea	Cypera
.	.	Rough-fruited Cinquefoil	Potentilla recta	Rosac
7	5	Round-fruited St. Johnswort	Hypericum spaerocarpum	Hyperi
6	5	Running Marsh Sedge	Carex sartwellii	Cypera
10	7	Running Savanna Sedge	Carex siccata (foenea)	Cypera
.	.	Russian Olive	Elaeagnus angustifolia	Elae
-----	10	Rusty Woodsia (Fragrent W	Woodsia ilvensis **	Polyp
		Sand bracted sedge	Carex muhlenbergii	Cypera
10	8	Sand Club moss	Selaginella rupestris	Segali

7	4	Sand Dropseed	Sporobolus cryptandrus	Grami
7	5	Sand Evening Primrose	Oenothera clelandii (rhombipetala)	Onagr
10 [15]	9	Sand Fumeflower	Talinum rugospermum ***	Portul
.	.	Sand Goat's Beard	Tragopogon dubius	Comp
7	7	Sand Milkweed	Asclepias amplexicaulis	Asclp
6	7	Sand St. Johnswort	Hypericum majus	Hyperi
6	6	Sand Violet	Viola fimbriatula	Viola
1	1	Sandbar Willow	Salix interior (exigua)	Salica
0	0	Sandbur	Cenchrus longispinus	Grami
2	2	Sawtooth Sunflower	Helianthus grosseserratus	Comp
4	5	Scarlet Hawthorn	Crataegus coccinea (holmesiana)	Rosac
4	7	Scarlet Oak	Quercus coccinea (ellipsoidalis)	Fagac
8	5	Sensitive Fern	Onoclea sensibilis	Polyp
8	7	Serviceberry	Amelanchier arborea	Rosac
9	7	Serviceberry	Amelanchier humilis	Rosac
5	4	Shagbark Hickory	Carya ovata	Jugl
6	7	Sharp-lobed Hepatica	Hepatica acutiloba	Ranun
.	.	Shepherd's Purse	Capsella bursa-pastoris	Cruc
7	5	Shining Aster	Aster puniceus firmus (?)	Comp
5	4	Shining Bedstraw	Galium concinnum	Rubia
6	6	Shooting Star	Dodecatheon meadia	Primul
10 [15]	9	Short Green Milkweed	Asclepias viridiflora	Asclp
7	5	Short Whorled Milkwort	Polygala verticillata isocycla	Polyga
8	6	Short's Aster	Aster shortii	Comp
.	.	Showy Fly Honeysuckle	Lonicera x bella	Caprif
10 [15]	7	Showy Orchis	Orchis (Galearis) spectabilis	Orchd
4	5	Showy Tick Trefoil	Desmodium canadense	Legu
.	.	Siberian Cranesbill	Geranium sibiricum	Geran
10	6	Sicklepod	Arabis canadensis	Cruc
8	7	Side-Oats Grama	Bouteloua curtipendula	Grami
.	.	Sidewalk Knotweed	Polygonum arenastrum	Polygo
5	4	Silky Wild Rye	Elymus villosus	Grami
0	1	Silver Maple	Acer saccharinum	Acera
.	.	Silvery Cinquefoil	Potentilla argentea	Rosac
8	8	Skunk Cabbage	Symplocarpus foetidus	Arac
8	7	Sky-blue Aster	Aster azureus (oolentangiensis)	Comp
1	1	Sleepy Catchfly	Silene antirrhina	Caryo
7	5	Slender False Foxglove	Agalinis (Gerardia) tenuifolia	Scroph
7	5	Slender Knotweed	Polygonum tenue	Polygo

10	8	Slender Ladies Tresses	<i>Spiranthes lacera</i>	Orchd
5	5	Slender Sand Sedge	<i>Cyperus filiculmis</i>	Cypera
10	7	Slender Spike Rush	<i>Eleocharis tenuis verrucosa</i>	Cypera
4	5	Slender Wedge Grass	<i>Sphenopholis intermedia (obtusata major)</i>	Grami
8	6	Slender-Leaved Pinweed	<i>Lechea tenuifolia</i>	Cistac
4	3	Slippery Elm	<i>Ulmus rubra</i>	Ulmac
5	3	Small duckweed	<i>Lemna minor</i>	Lemna
7	6	Small Skullcap	<i>Scutellaria parvula leonardi</i>	Labia
7	3	Small Yellow Fox Sedge	<i>Carex annectens xanthocarpa</i>	Cypera
0	1	Small-flowered Buttercup	<i>Ranunculus abortivus</i>	Ranun
9	8	Smooth (Blue)(Silky) Aster	<i>Aster laevis</i>	Comp
.	.	Smooth (Hungarian) Brome	<i>Bromus inermis</i>	Grami
5	4	Smooth Clustered Sedge	<i>Carex aggregata</i>	Cypera
8	5	Smooth Hedge Nettle	<i>Stachys tenuifolia</i>	Labia
5	4	Smooth Rock Cress	<i>Arabis laevigata</i>	Cruc
2	4	Smooth Scouring Rush	<i>Equisetum laevigatum (hymenale i. / kansanum)</i>	Equis
3	4	Smooth Solomon's Seal	<i>Polygonatum canaliculatum (commutatum)</i>	Liliac
1	1	Smooth Sumac	<i>Rhus glabra</i>	Anaca
3	3	Smooth Sweet Cicely	<i>Osmorhiza longistylis</i>	Umbel
9	4	Smooth Wolly Panic Grass	<i>Panicum lindheimeri</i>	Grami
5	7	Smooth Yellow violet	<i>Viola pubescens (pennsylvanica)</i>	Viola
8	7	Smooth-sheathed Fox Sedg	<i>Carex laevivaginata</i>	Cypera
5	3	Sneezeweed	<i>Helenium autumnale</i>	Comp
8	9	Soapwort Gentian	<i>Gentiana saponaria</i>	Gent
5	4	Soft Agrimony	<i>Agrimonia pubescens</i>	Rosac
3	4	Solomon's Plume	<i>Smilacina racemosa (Maianthemum)</i>	Liliac
.	.	Soy Bean	<i>Glycine Max</i>	Legu
8	6	Spinulose Wood Fern	<i>Dryopteris spinulosa (carthusiana)</i>	Polyp
4	5	Spotted Joe Pye Weed	<i>Eupatorium maculatum</i>	Comp
.	.	Spotted Knapweed	<i>Centaurea maculosa</i>	Comp
4	3	Spotted St. Johnswort	<i>Hypericum punctatum</i>	Hyperi
3	2	Spotted Touch-Me-Not (Jew	<i>Impatiens capensis (biflora)</i>	Balsa
5	6	Spreading Dogbane	<i>Apocynum androsaemifolium</i>	Apocy
5	4	Spreading Oval sedge	<i>Carex normalis</i>	Cypera
2	1	Spring Beauty	<i>Claytonia virginica</i>	Portul
.	.	Squirrel-tail Grass	<i>Hordeum jubatum</i>	Grami
.	.	Star of Bethlehem	<i>Ornithogalum umbellatum</i>	Liliac
6	6	Starry Champion	<i>Silene stellata</i>	Caryo
5	5	Starry False Solomon's Sea	<i>Smilacina stellata (Maianthemum)</i>	Liliac

7	7	Starved Panic Grass	<i>Panicum depauperatum</i>	Grami
8	6	Stichwort	<i>Stellaria longifolia</i>	Caryo
0	1	Stickseed	<i>Hackelia virginiana</i>	Borag
10	9	Stiff Aster (Flax-Leaved)	<i>Aster linariifolius</i>	Comp
10	10	Stiff Sandwort	<i>Arenaria (Minuartia) stricta</i>	Caryo
2	2	Stinging Nettle	<i>Urtica dioica</i>	Urtica
.	.	Stink Grass	<i>Eragrostis cilianensis</i>	Grami
5	1	Streambank Chervil	<i>Chaerophyllum procumbens</i>	Umbel
8	7	Swamp (Purple-stemmed) A	<i>Aster puniceus</i>	Comp
7	5	Swamp Agrimony	<i>Agrimonia parviflora</i>	Rosac
5	4	Swamp Buttercup	<i>Ranunculus septentrionalis</i>	Ranan
6	5	Swamp Dock	<i>Rumex verticillatus</i>	Polygo
8	9	Swamp Goldenrod	<i>Solidago patula</i>	Comp
4	4	Swamp Milkweed	<i>Asclepias incarnata</i>	Asclp
10	10	Swamp Saxifrage	<i>Saxifraga pennsylvanica</i>	Saxif
10	9	Swamp Thistle	<i>Cirsium muticum</i>	Comp
5	2	Swamp Tickseed	<i>Bidens comosa (tripartia)</i>	Comp
9	5	Sweet Blackeyed Susan	<i>Rudbeckia subtomentosa</i>	Comp
2	2	Sweet Everlasting (Old-Fiel	<i>Gnaphalium obtusifolium</i>	Comp
7	4	Sweet Flag	<i>Acorus calamus (americanus)</i>	Arac
9	7	Sweet or Vanilla Grass	<i>Hierochloe odorata</i>	Grami
10 (20)	10	Sweet William Phlox	<i>Phlox maculata</i>	Polem
5	4	Sweet-Scented Bedstraw	<i>Galium triflorum</i>	Rubia
10 [15]	10	Sweet-scented Indian Plant	<i>Cacalia suaveolens</i>	Comp
9	3	Sycamore	<i>Platanus occidentalis</i>	Platan
2	3	Tall (?) Agrimony	<i>Agrimonia gryposepala</i>	Rosac
1	0	Tall Beggar's Ticks	<i>Bidens vulgata</i>	Comp
3	4	Tall Bellflower	<i>Campanula americana</i>	Camp
0	2	Tall Boneset	<i>Eupatorium altissimum</i>	Comp
5	4	Tall Coreopsis	<i>Coreopsis tripteris</i>	Comp
.	.	Tall Fescue	<i>Festuca elatior (arundinacea)</i>	Grami
6	5	Tall Forked Chickweed	<i>Paronychia canadensis</i>	Caryo
8	6	Tall Gayfeather; Prairie Blaz	<i>Liatris pycnostachya</i>	Comp
1	???	Tall goldenrod	<i>Solidago altissima</i>	Comp
0	0	Tall Ground Cherry	<i>Physalis subglabrata</i>	Solan
----	----	Tall Meadow Rue	<i>Thalictrum polygamum</i>	Ranun
2	6	Tall Nettle	<i>Urtica procera (chamaedryoides)</i>	Urtica
3	2	Tall Scouring Rush	<i>Equisetum hyemale affine</i>	Equis
5	4	Tall Thimbleweed	<i>Anemone virginiana</i>	Ranan

7	5	Tall Water Parsnip	<i>Sium suave</i>	Umbel
8	9	Tall Wh. Lettuce	<i>Prenanthes crepidinea</i>	Comp
0	0	Tall Wood Sorrel	<i>Oxalis europaea (stricta)</i>	Oxalid
0	2	Three-seeded Mercury	<i>Acalypha virginica rhomboidea</i>	Euphor
.	.	Thyme-leaved Speedwell	<i>Veronica serpyllifolia</i>	Scroph
1	2	Tickle Grass	<i>Agrostis hymenalis</i>	Grami
.	.	Timothy	<i>Phleum pratense</i>	Grami
6	6	Toothed Cress	<i>Arabis perstellata shortii</i>	Cruc
5	4	Toothwort	<i>Dentaria laciniata</i>	Cruc
4	3	Torrey's Rush	<i>Juncus torreyi</i>	Junc
6	6	Tower Mustard	<i>Arabis glabra</i>	Cruc
.	.	Trumpet vine	<i>Campsis radicans</i>	Bigno
9	7	Tufted Loosestrife	<i>Lysimachia thryisiflora</i>	Primul
.	.	Tumble Mustard	<i>Sisymbrium altissimum</i>	Cruc
6	6	Turk's Cap lily	<i>Lilium michiganense</i>	Liliac
8	7	Turtlehead	<i>Chelone glabra</i>	Scroph
5	5	Tussock Sedge	<i>Carex stricta</i>	Cypera
7	5	Two-flowered Cynthia (False)	<i>Krigia biflora</i>	Comp
5	5	Upright Carrion flower	<i>Smilax ecirrata</i>	Liliac
4	4	Va. Wild Rye	<i>Elymus virginicus</i>	Grami
.	.	Velvetleaf	<i>Abutilon theophrasti</i>	Malva
9 [15]	5	Violet Wood-sorrel	<i>Oxalis violacea</i>	Oxalid
5	5	Virginia Bluebells	<i>Mertensia virginica</i>	Borag
2	2	Virginia Creeper (American	<i>Parthenocissus quinquefolia</i>	Vitac
5	5	Virginia Waterleaf	<i>Hydrophyllum virginianum</i>	Hydrop
4	3	Virgin's Bower	<i>Clematis virginiana</i>	Ranan
4	3	Viscid Bushy Goldenrod	<i>Solidago (Euthamia) graminifolia</i>	Comp
5	5	Viscid Grass-leaved Golden	<i>Solidago (Euthamia) gymnospermoides</i>	Comp
7	4	Wafer Ash, Hop Tree	<i>Ptelea trifoliata</i>	Rutac
.	.	Water Cress	<i>Nasturtium officinale</i>	Cruc
4	???	Water Heartease	<i>Polygonum coccineum</i>	Polygo
2	.	Water Pepper	<i>Polygonum hydropiper</i>	Polygo
10	7	Water Speedwell	<i>Veronica comosa (catenata)</i>	Scroph
8	7	Wedge-fruited Oval Sedge	<i>Carex suberecta</i>	Cypera
.	2	Western Ragweed	<i>Ambrosia psilostachya coronopifolia</i>	Comp
.	.	Wheat	<i>Triticum aestivum</i>	Grami
9	9	White Pine	<i>Pinus strobus</i>	Pinac
5	4	White Ash	<i>Fraxinus americana</i>	Oleac
10 [15]	9	White Aster ( Stiff Aster)	<i>Aster ptarmicoides</i>	Comp



1	2	White Avens; Wood Avens	<i>Geum canadense</i>	Rosac
.	.	White Champion	<i>Lychnis alba</i>	Caryo
.	.	White Clover	<i>Trifolium repens</i>	Legu
.	.	White Goosefoot; Lamb's qu	<i>Chenopodium album (missouriense)</i>	Chen
5	5	White Lettuce, Lion's Foot	<i>Prenanthes alba</i>	Comp
.	.	White Mulberry	<i>Morus alba</i>	Morac
5	5	White Oak	<i>Quercus alba</i>	Fagac
9	9	White Prairie Clover	<i>Petalostemum (Dalea) candidum</i>	Legu
4	2	White Snakeroot	<i>Eupatorium rugosum</i>	Comp
.	.	White Sweet Clover	<i>Melilotus alba</i>	Legu
8	6	White Wild Indigo	<i>Baptisia leucantha</i>	Legu
8	5	White-Haired Panic Grass	<i>Panicum villosissimum</i>	Grami
8	3	Whitlow Cress (Grass)	<i>Draba reptans</i>	Cruc
1	1	Whorled Milkweed	<i>Asclepias verticillata</i>	Asclp
2	2	Wild (Riverbank) Grape	<i>Vitis riparia</i>	Vitac
1	1	Wild Black Cherry	<i>Prunus serotina</i>	Rosac
7	5	Wild Black Currant	<i>Ribes americanum</i>	Saxif
6	5	Wild Columbine	<i>Aquilegia canadensis</i>	Ranan
5	4	Wild Cucumber	<i>Echinocystis lobata</i>	Cucurb
2	2	Wild Garlic	<i>Allium canadense</i>	Liliac
4	4	Wild Geranium	<i>Geranium maculatum</i>	Geran
5	2	Wild Gooseberry	<i>Ribes missouriense</i>	Saxif
2	1	Wild Lettuce	<i>Lactuca canadensis</i>	Comp
7	8	Wild Lupine	<i>Lupinus perennis</i>	Legu
5	5	Wild Madder	<i>Galium obtusum</i>	Rubia
5	4	Wild Mint	<i>Mentha arvensis villosa</i>	Labia
.	.	Wild Parsnip	<i>Pastinaca sativa</i>	Umbel
7	3	Wild Petunia	<i>Ruellia humilis</i>	Acanth
5	3	Wild Plum	<i>Prunus americana</i>	Rosac
8	8	Wild Quinine (Feverfew)	<i>Parthenium integrifolium</i>	Comp
.	.	Wild Radish	<i>Raphanus raphanistrum</i>	Cruc
9	9	Wild Senna	<i>Cassia hebecarpa</i>	Legu
2	7	Wild sensitive plant	<i>Cassia nictitans</i>	Legu
1	2	Wild Strawberry	<i>Fragaria virginiana</i>	Rosac
5	2	Wild Sweet Potato	<i>Ipomoea pandurata</i>	Convo
9	4	Willow Aster	<i>Aster praealtus</i>	Comp
7	5	Winged Loosestrife	<i>Lythrum alatum</i>	Lythr
5	4	Wingstem	<i>Actinomeris (Verbesina) alternifolia</i>	Comp
.	.	Winter Cress; Yellow Rocke	<i>Barbarea vulgaris (arcuata)</i>	Cruc

7	7	Wood Anemone	Anemone quinquefolia	Ranan
2	4	Wood Gray edge	Carex grisea	Cypera
3	2	Wood Nettle	Laportea canadensis	Urtica
8	7	Wood Sandwort	Arenaria (Moehringia) lateriflora	Caryo
3	3	Woodbank Sedge	Carex cephalophora	Cypera
5	5	Woodland Brome	Bromus pubescens	Grami
4	3	Woodland Goosefoot	Chenopodium standleyanum	Chen
2	3	Woodland Knotweed	Polygonum (Tovara) virginianum	Polygo
5	5	Woodland Phlox (Blue Phlo	Phlox divaricata	Polem
6	5	Wool Grass	Scirpus cyperinus	Cypera
10 (20)	10	Woolly Milkweed	Asclepias lanuginosa **	Asclp
.	.	Woolly Plantain	Plantago patagonica (purshii)	Planta
5	5	Woundwort	Stachys palustris homotricha	Labia
3	2	Yankee Blackberry	Rubus pennsylvanicus	Rosac
7	6	Yellow Avens	Geum aleppicum strictum	Rosac
8	6	Yellow False Foxglove	Aureolaria (Gerardia) grandiflora pulchra	Scroph
.	.	Yellow Foxtail	Setaria glauca (lutescens)	Grami
5	4	Yellow Giant Hyssop	Agastache nepetoides	Labia
7	5	Yellow Honeysuckle	Lonicera prolifera	Caprif
10	9	Yellow Monkey Flower	Mimulus glabratus fremontii **	Scroph
9	6	Yellow Star Grass	Hypoxis hirsuta	Amary
.	.	Yellow Sweet Clover	Melilotus officinalis	Legu
7	6	Yellow Water Crowfoot	Ranunculus flabellaris	Ranun
0	0	Yellow Wood Sorrel	Oxalis stricta (dillenii)	Oxalid
-----			Claydonia squamuls	Lichen
-----	-----		Leucobryum glucum	moss
-----	-----		Mnium affine	moss

<b>HABITAT</b>	bloom	wetland	physiognomy
& moist prairie	5/12,6	F+	Nt P-f
waste?	8/11-10	U	Nt B-f
disturbed	4/29-10	F-	Ad A-f
& waste places	5/30-10	FU	Nt P-f
weedy grassy	5/31-9	U	Ad P-f
& open, part shade	7/19-9	FU	Nt P-f
widesp	6/14-8	U	Nt P-f
knob	6/09-9	U	Nt P-f
dry prairie	5/11,6	U	Nt P-s
prairie & savanna; floodplains near	7/10-9	FW-	Nt P-f
lawn	5/10-9	F	Ad P-f
woodl. open, & riverbanks,	6/15-10	U	Nt P-f
prairie, knob, & woods	5/06-10	U	Nt P-f
prairie & savanna	5/28-7	F-	Nt P-f
& wet meadows	4/20-6	F+	Nt P-f
dry sandy soils	6/9/2009	U	Nt P-f
& open, moist	8/14-10	F	Nt P-f
gravelly prairie	5/12-7	U	Nt P-f
dry prairie; rr, & woods	8/16-10	FU-	Nt P-f
dry	6/12-9	U	Nt P-f
prairie	7/03,8	U	Nt P-f
& prairie	8/01,9	FU+	Nt P-g
	6/05	FU	Ad A-g
open	5/26,6	U	Nt P-f
	8/01,9	FU	Nt p-g
dry prairie	7/13,8	U	Nt P-f
prairie & wood edges	5/14-10	FU+	Nt P-f
prairie	6/01,7	U	Nt P-f
dry prairie	6/11-10	FU-	Nt P-f

sandy Black Oak savanna	5/30-7	U	Nt P-g
wide var. ; &	6/27-9	F-	Nt P-g
prairie, & thicket	7/02-11	F+	Nt P-f
comp knob & savanna	7/20-9	U	Nt P-f
& savanna	7/27-9	FU	Nt P-f
	5/09,6	U	Nt P-s
dry, sandy	5/19,7	FU	Nt P-f
sandy prairie	5/22-7	FU	Nt P-g
savanna &	7/14-10	U	Nt P-f
dry: prairie & woods	8/31-10	U	Nt P-f
prairie & woods	7/25-10	FU-	Nt P-f
savanna &[TB] dry prairie	6/02,7	U	Nt P-f
sterile fields	5/25-8	F	Nt A-f
dry soil; oak woods	7/12,9	FU-	Nt P-f
prairies, rr; gravelly meadows	7/02-9	U	Ad P-f
dry prairies & woods	6/28-10	U	Nt P-f
& widespread	5/20-8	FU	Ad P-f
& savanna	7/01-9	U	Nt P-f
	unkn		
wet	5/10-10	O	Nt P-f
disturbed	5/22-10	U	Ad P-f
highways	5/24-9	F	Ad P-s
	4/21,5	U	Nt sh
fields, roads	5/18-11	F-	Ad P-f
rich woods	3/05-5	FW-	Nt tr
moist & thicket edges	7/01,8	FW	Nt P-f
& [W]	3/07,4	FU-	Nt sh
dry to mesic woods	6/13,7	FU	Nt tr
& dry, dist. prairie	5/16,6	U	Nt H-v
ponds	unkn	O	Nt A-f
	5/07,6	U	Ad sh
woods	4/15-6	FU	Nt A-f
& wide	5/09-10	F-	Nt B-f
	4/15,5	U	Ad tr
	8/19-10	U	Nt P-f
sand barrens	6/27-10	U	Nt P-g
prairie	7/24-9	O	Nt A-f
sandy prairie	4/16-6	FW	Nt P-f
	5/12-9	FU	Ad P-f

woodlands, floodplains	4/28-6	F+	Nt A-f
degraded open woods, unmowed nr	5/01-7	U	Ad sh
marshes, wetlands	5/28,6	FW+	Nt P-s
weedy	7/06-9	FW	Nt A-g
waste	6/05-10	F	Nt A-f
shady wetlands	6/23-10	FW	Nt A-f
mesic prairie &{TB]	7/05-9	F-	Nt p-g
roads, distur	5/26-9	F-	Ad P-f
outcrop - N.slope	4/22-8	U	Nt P-f
mesic woods	4/12-6	FU+	Nt P-f
woods	5/11,6	FU	Nt tr
cultiv	5/30-10	F-	Ad A-f
open! low woods; swamps	4/30-6	FW-	Nt sh
moist woods [W]	5/02,6	FU	Nt sh
	5/09,6	FU-	Ad tr
floodplains	4/26,5	U	Nt tr
cultiv, waste	6/09-10	FU-	Nt A-f
sandy	4/15-6	U	Nt tr
& sunny	5/09,6	U	Nt sh
calc wooded slopes	5/08-8	FU	Nt P-f
&	4/26-6	FU	Nt tr
streams	5/12	O	Nt tr
mesic wooded slopes	4/17-6	F	Nt sh
& [W]	3/28-5	FU-	Nt P-f
understory	3/31-5	F	Nt tr
woods & savanna (usually N. slope	4/12,5	U	Nt P-f
wet! &	5/18-7	O	Nt P-f
marshes, fens &	6/06	O	Nt P-g
woodland borders [W]	8/01-9	F-	Nt A/B-f
very sandy	4/22-8	U	Nt A-f
wet	6/29-9	FW+	Nt P-f
moist flats+ shores	5/18-9	O	Nt P-s
springy	8/22-10	FW	Nt A-f
bogs; fens	8/08-10	O	Nt P-f
& wet meadows, pr	7/22-9	FW+	Nt P-f
& prairie potholes, wet meadows	8/28-10	FW	Nt P-f
&	6/14,7	U	Nt P-g
sandy	6/09-10	FU	Ad P-f
floodplains	4/01,5	FW-	Nt tr

highway; rr	6/29-10	U	Nt A-f
sandy soils; Bl. Oak &	6/17-8	FU	crypto
&	5/23-7	FU	Nt P-g
woods [W]	5/21,6	U	Nt W-v
pond margins & ditches	5/24,6	O	Nt P-s
[W]	7/18,8	U	Nt P-f
marshes, low prairie	4/26-6	O	Nt P-s
moist open	5/11,6	O	Nt P-s
& shaded	8/01,9	F-	Nt P-f
rr, barnyards, pastures	7/20-9	U	Ad A-f
low woods, & wet meadows	4/15-6	O	Nt P-f
fields	7/21-11	FU-	Ad B-f
low woods; floodplains	8/08,9	FW-	Nt H-v
open woods &	4/13-6	F-	Nt tr
woods &	6/08,7	FU	Nt P-f
sandy prairie	8/05	U	Nt P-f
dry, & savanna [TB]	6/14-9	U	Nt P-f
weedy	6/08-11	U	Ad P-f
shady, wet	6/28-8	O	Nt sh
fields, thickets &	7/29-10	FW-	Nt P-f
sun & shade	6/05-8	FU+	Ad P-g
sand barrens	7/22-10	U	Nt P-f
fields	5/26-9	U	Ad P-f
mesic woods	4/21,5	U	Nt P-f
woods [W]	5/27-7	FU+	Nt B-f
dry prairie &	6/26-9	U	Nt P-f
several	7/27-9	O	Nt P-f
moist	7/24-9	FW	Nt P-f
wet; & savanna	6/23-10	O	Nt P-f
gravel,loess hill, roadsides	4/26-6	U	Nt P-f
	5/02	U	Ad P-f
	5/25	FU	Ad tr
distur	6/14-10	F-	Ad P-f
marshes	6/05,7	O	Nt P-f
roads	5/29-10	U	Ad P-f
gardens, lawns	2/22-11	FU	Ad A-f
	4/15-7	FU	Nt sh
	4/30/2006	FW-	Nt sh
wet &	6/26,8	O	Nt P-f

sterile sandy	7/19-10	U	Nt P-f
old fields	6/13-9	U	Nt P-f
distr muddy	5/19-10	O	Nt A-f
cool moist shaded	7/28-10	FW	Nt A-f
cliffs, bluffs	unkn	U	crypto
moist shaded thickets, floodplains	8/04,9	F	Nt H-v
& woods	5/08-8	F+	Nt P-f
dry prairie	7/09-10	U	Nt P-f
cultiv	8/19,9	F	Ad A-f
pastures	5/20,6	F	Nt tr
muddy	6/22-9	O	Nt P-f
& wood edges; oldfields	5/12,6	FU+	Nt sh
& disturb woods	4/15-6	F-	Nt P-f
prairie	4/29-7	FU	Nt P-f
	5/07,6	FU	Ad tr
distr	6/06-9	U	Ad B-f
& woods	5/08-7	U	Nt H-v
& dry soil	5/03-7	FU-	Nt P-f
	4/13-10	FU	Ad P-f
moist plants near ground	7/31-10	O	Nt A-f
roads, waste	6/18-11	FU	Nt B-f
rr	5/28-10	U	Ad A-f
	5/4	U	Ad sh
marshes, distrb open	4/28,5	O	Nt P-s
varied	7/24-10	FU-	Nt P-f
roads, fields	5/07-11	U	Ad B-f
several	8/10,9	FU+	Nt H-v
wet meadows, pastures, prairies	7/13-10	FW	Nt P-f
potholes, ponds	5/03,6	O	Nt P-s
waste	5/14-10	U	Ad B-f
& [W]	4/01,5	U	Nt P-s
distur	5/02-11	FU-	Nt A-f
waste	6/08-9	F+	Ad P-f
&	8/03-10	FU	Nt A-f
sand prairie	5/23-7	U	Nt P-f
wooded floodplains	8/15,9	FW	Nt P-g
waste, fields	6/02-10	F-	Ad P-f
moist &	6/02-9	U	Ad P-f

wet or dry prairie	5/03	FW	Nt P-s
moist &	7/05-9	O	Nt P-f
water	7/9-9	O	Nt P-f
& moist woods	8/30,9	FW	Nt P-g
	4/26-6	F	Nt P-s
sandy grassy	4/06-8	FU	Ad A-f
	3/30,5	F+	Nt tr
disturb grassy , rr	5/11-7	U	Ad H-v
moist prairie &	7/27-9	O	Nt P-f
medium. limy & savanna [W]	8/10-10	FU	Nt P-f
prairie & woods	5/04,6	U	Nt P-f
med. to wet woods	4/04-8	FU	Ad P-f
marshes, streams	6/01	FW+	Nt P-s
boggy	5/07-11	O	crypto
wet & savanna; moist swale [W]	6/21-8	F	Nt P-f
fields,pastures	5/21-7	F+	Ad P-f
woods & [W]	4/27-6	U	Nt P-s
woods [W]	9/05,10	F	crypto
woods [W]	9/05,10	F	crypto
& wide	6/02-10	U	Nt B-f
distrb	5/10-9	U	Ad P-f
marshy	6/02,7	O	Nt P-s
fen / seep	5/04,6	O	Nt P-s
dry fields	6/02-7	U	Ad A-f
& sunny	5/07,6	FU	Nt W-v
water	unkn	O	Nt A-f
muddy	6/21-10	O	Nt P-f
& savanna	6/01-8	FU	Nt P-f
wood edges, shaded floodplains	4/28-6	U	Nt tr
	5/23,6	U	Ad A-g
	4/17,5	FU-	Nt tr
sandy prairie	6/15-10	U	Nt P-g
knobs, dry ridges	5/25,6	U	Nt P-f
& disturb	8/27-10	FU	Nt P-f
sun	6/20-8	O	Nt P-f
& moist meadows	5/28-7	F	Nt P-f
undistr rich woods	3/31-5	U	Nt P-f
rocky, dry prairie	7//17-10	U	Nt P-f
sandy, grassy	5/03,7	U	Nt A-f



acid sandy	5/11,6	FU-	Nt A-f
& widespread [W]	4/06,5	FU	Nt P-f
sandy oak woods	5/11-7	F+	Nt P-f
& open, disturbed woods	7/08-9	U	Nt P-f
woods, & savanna ?	4/27-6	U	Nt P-f
sandy Bl. oak &	4/07-9	FU	Nt sh
	4/12,5	U	Nt P-s
several	5/18,6	FU	Nt sh
	4/08	FU	Nt tr
wood deges, gravel pits [&TB]	6/17,7	FU	crypto
wet; floodplains	6/02-8	FW-	Nt sh
savanna & [W]	7/29-10	U	Nt P-f
woods &	6/16-8	FU	Nt P-f
salty expressways	4/26,5	FW	Ad P-s
dry woods; & prairies	8/06-10	U	Nt P-f
Maple woods	4/17,5	F+	Nt A-f
	6/20-9	O	Nt P-f
calc	7/25-10	F-	Nt A-f
dry prairie & sparse woods	4/22-8	FU	Nt P-f
wet meadows	8/19-10	O	Nt P-f
wet prairie / shade	5/18-7	F	Nt P-s
	5/23-9	U	Ad P-f
dry prar; [&P-TB] savanna	4/16,5	U	Nt P-f
	7/04-10	FU	Nt H-v
many	5/12,6	U	Ad P-f
meadows	6/02-10	FU	Nt A-f
distr. prairie; moist fields	5/18,6	F+	Nt P-s
dry fields	4/22-7	FU	Ad P-f
moist, boggy &	8/09-10	FU	Nt A-f
thickets, & edges	7/25,9	FW	Nt P-f
rich mesic woods	5/23-12	F	crypto
cultiv	6/28-10	U	Ad A-f
woods &	8/03,9	F	Nt P-f
prairie, waste	5/22-9	U	Ad P-f
& moist	5/11,6	FW	Nt P-g
mesic woods [W]	5/10,6	FU	crypto
roadside (dry prairie)	5/12-6	U	Nt P-f
marsh; sedge meadow	6/25,7	O	Nt P-g
wet &	8/30-11	FW+	Nt A/B-f

wet prairies & woods	6/18-8	FW	Nt P-f
& distrb woods, openings	5/13	U	Nt tr
shade; woods \$	4/19-7	F	Ad B-f
cultiv	7/08-9	FU+	Ad A-g
cultiv; weedy	7/20-9	U	Ad A-g
&	7/27-10	F+	Nt A-f
streams	6/29,7	FW-	Nt P-f
N. and W. slopes	6/04-8	U	Nt P-f
	6/09-9	U	Nt P-f
calc. fens	4/20-6	O	Nt P-s
rich woods	4/11,5	FU+	Nt P-s
	4/20,5		Ad P-f
calc springy	8/12-10	O	Nt P-f
moist, wooded, slopes / ravines [W	4/29,5	U	Nt P-s
several	6/20	FW	Nt P-f
&	5/29-7	FW-	Nt sh
moist & thicket edges	7/10,8	FW	Nt P-f
& knob	8/11-11	U	Nt P-f
marshes	5/22-8	O	Nt P-s
	5/10	U	Nt P-f
& wet	7/29-10	FW+	Nt P-f
wet to med &	7/11-9	F+	Nt P-f
marshes, fens	5/29-9	O	Nt P-f
	4/07,5	F	Nt tr
mesic woods	5/24,6	U	Nt W-v
rich, moist woods & [W]	5/11,6	FW	Nt P-f
gultiv; waste	6/26-9	F-	Ad A-g
sand prairie	6/16	F	Nt P-f
thickets [&TB]	7/27-9	FW	Nt H-v
& thickets,clearings	7/26-9	U	Nt A-f
prairie	7/09-10	FU	Ad B-f
	4/22,5	F-	Nt tr
	6/23-9	FU+	Nt A-s
&	8/24-11	FU+	Nt P-f
waste	8/23,9	FU	Ad A-g
sandy prairie	6-?	U	Nt P-g
dry prairie	6/21-9	U	Nt P-f
waste	unkn	U	Ad A-f
sandy black Oak &	6/26-10	U	Nt P-f

open distr sandy	6/28-10	U	Nt P-g
dry sandy	7/04-9	U	Nt P-f
dry soils; prairies & woods	7/26-10	U	Nt P-f
woods	5/03,6	FU-	Nt P-f
& degraded woods	7/10-9	U	Nt P-f
woods & [W]	5/28,7	U	Nt P-f
rich woods [W]	4/11,5	U	Nt P-s
	5/05,6	O	Nt P-s
& several	6/12-10	FU	Nt P-f
dry prairie &	4/26,5	FU	Nt P-f
mesic woods [W]	6/10,7	FU	Nt P-f
streams	4/07,5	FW	Nt sh
wide [W]	6/02-10	F	Nt P-f
cultiv & waste	5/05-11	U	Ad A-f
	8/05	F	Ad A-f
prairie	6,7	U	Nt P-f
& woods	7/15-9	U	Nt P-f
distrb	5/23-10	U	Ad A-f
prairie & dry woods	4/06-7	U	Nt P-f
		F	□
[W] floodplains, open, wooded slopes	7/27-9	06	Nt H-v
disturb woods &	5/28-9	F	Nt P-f
	5/19,6	F	Nt tr
swampy woods, shaded seeps	4/20-6	O	Nt P-f
shaded calc. fens; boggy woods	4/30-6	FW	Nt A-f
woods	4/01,5	FU-	Nt tr
woods, & savanna [W]	5/15,6	U	Nt P-f
aband. sandy fields	7/03-10	U	Nt P-f
sandy, fields, roadsides	5/30-9	FU-	Ad P-f
varied	4/06,5	F	crypto
roadside	7/07-11	F-	Nt A-f
	5/08,6	U	Ad B-f
prairie	7-9	FU	Nt P-f
fields, banks	unkn	FW+	Ad tr
wet prairie	6/09-9	F	Nt P-f
& savanna	6/24-10	FU-	Nt P-f
wet	6/01-8	FW+	Nt sh
drier?	6/24,7	FU	Nt P-f
wet slope woods	4/27,5	F+	crypto

woodland edges, pastures	4/27,5	U	Nt tr
cultiv	8/09-10	F	Ad H-v
wet: swmp.,bog & [W]	4/15-6	FW-	Nt P-f
& [W]	4/16-6	F	Nt P-f
	4/16	FU-	Ad sh
wet! prairies & woods	8/24-10	F	Nt P-f
	7/13-9	U	Ad A-f
lawn, serious weed	5/08,6	F-	Ad P-g
prairie, clay , gravel	5/12	U	Nt P-f
waste	8/11-10	FW-	Nt A-g
prairie	6/20,7	F-	Ad A-f
mesic woods [W]	7/15	F	crypto
cultiv	5/27-11	F-	Ad A-f
	5/18,6	FW	Nt P-s
hill prairie, dry sandy	5/29-8	U	Nt P-f
moist	6/15-8	F	Nt P-f
moist sandy	4/20-6	O	Nt P-f
open, disturb	7/27-10	U	Nt P-f
disturb &, edges [W]	6/26-10	FU-	Nt p-f
&	8/07,9	FW	Nt P-f
swale; knob, hillside [&TB]	6/14-8	U	Nt sh
moist wooded &	9/01	FW	Nt P-g
limestone flats	6/12-10	U	Ad B-f
oak woods	4/27,5	U	Nt p-f
open, sandy	5/08	FU	Nt P-s
dry woods, thickets??NO!!	7/25,8	U	Nt P-f
	6/13-10	U	Ad f
dry prairie, rock shelf edges	5/26,6	U	Nt P-f
mudflats, shores	7/26-9	FW	Nt P-s
swamps, meadows	5/04	O	Nt P-s
	unkn	U	Ad P-f
hill prairie	5/22,6	U	Nt P-g
wet woods	5/18	F	Nt P-s
distr woods [W]	6/23-9	U	Nt P-f
mesic or wet open woods	8/10,9	FW	Nt H-v
& marshes	6/27-9	O	Nt P-f
woods	7/07	F-	crypto
dolomitic bedrock--degraded	5/31-7	U	Nt P-f
floodplains	6/26-9	O	Nt P-f

prairie marsh	5/16-7	FW+	Nt P-g
	5/26-8	O	Nt A-f
low meadows, etc & marshes, fens	5/05-7	FW	Nt B/P-f
ditches, mud	3/12-6	O	Nt P-f
wet -- bogs	6/23-8	O	Nt P-f
moist	8/05-10	O	crypto
moist, open	7/10-9	O	Nt P-f
prairie fens	6/17-9	FW	Nt H-v
woods & savanna [W]	7/31-9	O	Nt P-g
rr; open prairie [&P]	5/01,6	FU	Nt P-f
damp meadows	5/05-9	FW	Nt P-f
marshy, muddy	6/14-9	FW+	Nt sh
woods & savanna [W]	6/28-9	O	Nt P-f
fields, roads	5/28-7	F+	Nt W-v
shaded waste	5/30-10	FU	Ad B-f
& dry pastures, gravel hill prairies	5/30-9	U	Ad P-f
	6/22-10	FW+	Nt P-f
	3/30-12	FU	Ad P-f
waste	6/02-9	U	Ad B-f
& dry woods	7/19-9	U	Nt A-f
	5/23,6	FU	Ad sh
calc springy places	6/04,7	FW+	Nt P-f
moist woods	4/28,5	F+	Nt sh
calc.	4/30,5	O	Nt P-s
wet	6/28-9	O	Nt P-f
& many	5/27-7	FW-	Nt P-f
	unkn		Nt P-f
prairie	6/14-8	F	Nt P-f
thicket edges &	5/16,6	F-	Nt P-s
prairie & woods	7/27-11	FW	Nt P-f
dry, & savanna	6/07-10	U	Nt sh
wet prair, sedge meadow	5/27,6	FW-	Nt sh
wet	6/17-10	O	Nt A-f
[W]	5/22,6	FU+	Nt P-g
damp to dry, sandy; low, sparse	7/27-10	FW-	Nt P-f
	5/28-11	U	Ad B-f
prair, dry hillsides & several	6/29-9	F-	Nt P-f
fens, calc marshes	5/27-9	F	Nt P-f
	5/04	O	Nt P-f

prairie marshes	7/30-9	O	Nt P-f
open	5/25-10	F	Nt A-f
	6/15-10	O	Nt P-f
rr	6/19-10	F	Nt P-g
several	6/01-9	F-	Nt P-g
sandy; savanna	5/26	U	Nt W-v
woods; sandy soil	9 & 10	U	crypto
floodplain [W]	9/13,10	F	Nt P-f
roads	6/08-8	U	Ad P-f
moist	6/29-9	FU	Nt A-f
	5/11-7	FU	Ad P-g
	5/29,6	FU	Ad tr
roads	5/11-8	U	Ad P-f
dry calc prairie	5/30,6	U	Nt P-f
low ground	5/08 -7	FW-	Nt P-f
	5/14-7	FW+	Nt sh
& wet ?? to dry	6/24-9	U	Nt P-f
stream banks, wet meadows & fore:	7/03-9	F+	Nt A-f
fields, prairies, & woods	5/20-8	F	Nt P-f
sandy,open soils	6/29-10	FU-	Nt A-f
N.Ill gravel - hill prairies	3/05-5	U	Nt P-f
& dry,sandy,rocky, thin woods	6/02-8	FU-	Nt sh
fields &	8/02-10/20-8	U	Nt B-f
compacted shade	6/02	FU+	Nt P-f
shade	5/16-8	FU	Nt A-f
wet woods	4/28-10	FW+	Nt B-f
distrb	3/30-6	U	Ad A-f
lawn	6/04-8	FU	Ad P-g
low prair; rich wds; marsh	4/20,5	FW+	Nt sh
prairie	7/15-9	FU-	Nt A-f
cultiv	6/14-10	FW+	Nt A-f
	5/11,6	FU	Nt P-s
woods, & savanna [W]	6/23-8	U	Nt P-f
	6/02,7	FW	Ad B-f
& several	5/26,6	F+	Nt W-v
& thickets, clearings	6/20-10	F-	Nt P-f
rock cliffs	9/52,11	U	crypto
cindery	6/15-9	U	Nt A-f
	5/12,6	O	Nt P-s

dry prairie	6/06	U	Nt P-g
clay pastures & prairie	5/30,6	U	Nt P-g
& wet prairie	7-9	U	Nt P-f
dry prairie & savanna	7/01,8	FW+	Nt P-g
dry prairies; stony hills	blooms June	U	Nt P-f
prairie	4/28-6	U	Nt P-f
prairie	6/28-10	FU	Nt P-f
prairie	8/01,9	FU-	Nt P-g
	8/26-10	U	Nt P-f
dry, grassy & [TB] savanna	4/20,5	U	Nt P-s
dry prairie & woods	6/01-8	F+	Nt P-f
& meso to dry prairie	6/11,7	F-	Nt P-f
dry prairie	7/28-9	U	Nt P-f
dry prairie & savanna	5/18-8	FU+	Nt P-g
well-drained, sandy high gravel	5/27,6	U	Nt B-f
moist prairie, fen	5/06,6	FU-	Nt P-f
dry to medium soils	4/30-6	U	Nt P-f
tall grass prairie	5/14	O	Nt P-s
prairie	7/02-10	U	Nt P-f
prairies	6/29-10	F+	Nt P-g
wooded	4/29-6	FU-	Nt P-f
wide	4/11,5	FW	Nt sh
dry	4/13,5	U	Nt sh
mesic woods	7/05-11	F	Ad B-f
[&P] moist prairie	6/02,7	U	Nt sh
woods, edges, [&P/W]	4/15-6	U	Nt sh
& savanna, clearings	8/12-10	FW	Nt A-f
sandy & moist, open, (calc) meadows	8/01-10	U	Nt P-f
woods, thickets & [W][TB]	7/01-9	U	Nt P-f
sandy bl Oak & prairies	6/19-10	U	Nt P-g
dry savanna & cultiv	5/31-7	FW-	Nt P-f
dry prairie & [TB] savanna	6/13,7	FU	Nt P-f
open	5/30-8	FU-	Nt B-f
	6/28-9	U	Nt P-f
	5/16-7	FU-	Nt P-f
	4/19-6	U	Nt A-f
	4/07-6	U	Nt P-f
	4/07,5	FW	Nt sh
	5/25-7	FU	Ad P-g

peaty marshes	3/14-5	F	Nt tr
fields	5/29-10	U	Ad B-f
wet	6/11-8	O	Nt P-f
acid bogs	6/21-8	FW	Nt P-f
mesic woods [W]	6/03	FU	crypto
& med prairies woods	4/12-6	FU-	Nt P-f
woods	4/06,5	FW	Nt tr
rich, undistr. woods	4/26,5	FU	Nt P-f
prairie	5/14-9	U	Ad P-f
	5/21,6	F-	Nt tr
mesic woods	5/12-6	FU	Nt tr
	7,8	FU+	Ad A-f
peaty, boggy	5/18-9	FU-	Nt sh
	5/04-9	FW	Nt sh
marshes, ditches	5/11,6	O	Nt P-s
lawn	6/15-9	F	Nt A-f
	6/21,7	FW	Ad P-g
open	5/18-7	FW+	Ad P-g
wet	7/25,9	O	Nt P-g
wet calc prairie	9/06-11	O	Nt P-f
marshes	5/24-7	O	Nt P-s
shaded wetlands	5/08	O	Nt P-s
calc woods, bluffs, banks	7/30,8	F-	Nt P-g
prairie	6/26-9	U	Nt P-f
outcrops	7/17-11	U	Nt P-f
rr	8/28-10	U	Ad P-g
dry open woods, & savanna [W]	8/01-9	U	Nt P-f
prairie, roadside	5/16-9	F-	Nt P-f
distr sandy	5/11-8	U	Nt A-f
fields &	5/10,6	FU+	Nt P-s
dry pastures	5/25-10	U	Ad P-f
prairies	6/13-8	FU	Nt P-f
marsh, low prairie	4/19,5	O	Nt P-s
	4/20,5	O	Nt P-s
	6/08	FU-	Ad tr
dry sandst. cliffs	unkn	U?	crypto
sandy soil	6/19,7	FW+	crypto



disturb sandy	6/16-9	FU-	Nt P-g
distr. sandy	6/20-10	U	Nt B-f
sandstone outcrop	6/15-9	U	Nt P-f
sandy roadsides	5/20-9	U	Ad B-f
	5/22,7	U	Nt P-f
several	6/29-9	FW	Nt A-f
& sandy, shallow soil prairie	4/20,5	U	Nt P-f
low, wet	4/22-7	O	Nt sh
sandy, distrb	7/05-9	U	Nt A-g
& fencerow, ditches	7/02-10	FW-	Nt P-f
thickets, borders	5/03	U	Nt tr
well-drained	4/15-6	U	Nt tr
several	9/03,10	FW	crypto
	4/19	FU	Nt tr
	4/19	U	Nt sh
&	5/05,6	FU	Nt tr
mesic woods [W]	3/14-5	U	Nt P-f
distrb	3/15-8	F-	Ad A-f
	8/11-10	O	Nt P-f
dry woods & [W]	5/08-7	U	Nt P-f
prairie &	4/17-6	FU	Nt P-f
dry, hill, sand prairie	6/17-8	U	Nt P-f
dry prairie	7/04-8	U	Nt A-f
& savanna [W]	8/15-10	U	Nt P-f
	5/4,6	FU-	Ad sh
med savanna	5/05,6	U	Nt P-f
prairie &	6/25,8	F-	Nt P-f
shady	7/20,8	U	Ad P-f
dry to med woods, rocky	5/23-7	U	Nt B-f
hill prairie	7/09	U	Nt P-g
waste	6/25-9	U	Ad A-f
& woods	7/07	FU	Nt P-g
floodplains	3/04,4	FW	Nt tr
distur sandy	5/06-10	FU	Ad P-f
wet	2/17-5	O	Nt P-f
prairie, & wood borders	7/25-11	U	Nt P-f
disturb sandy	5/11-7	U	Nt A-f
moist prairie [&P] dry open woodlan	8/05-10	FW	Nt A-f
prairie	7/26-9	U	Nt A-f

& sandy prairie ; black Oak	8/29,9	F+	Nt P-f
sand, dry prairie	6/02-9	FU-	Nt P-s
sandy flats	5/04,6	FW	Nt P-s
& moist prairie	5/29-7	F	Nt P-g
& sandy savanna	8?	U	Nt P-f
woods	3/24,4	F	Nt tr
water	7/22-9	O	Nt A-f
gravelly knolls, limestone barrens	5/22-9	FU	Nt P-f
marshes, sterile, open, sunny areas	5/16,6	F	Nt P-s
distur, compacted	4/07-7	FU	Nt B-f
moist or dry prairie & woods	8/08-10	U	Nt P-f
	5/23	U	Ad P-g
	5/12	U	Nt P-s
moist wooded floodplains	7/30-9	FW	Nt P-f
rich woods & [W]	4/26-9	U	Nt B-f
prairie, etc.	6/02	FW	crypto
cool, damp, & savanna	5/09-7	FU	Nt P-f
& fencerow	6/06,7	U	Nt sh
woods	5/03,6	FU-	Nt P-f
dry to moist sandy	6/15,7		Nt P-g
woods [W]	4/08,5	FU-	Nt P-f
	4/26,5	O	Nt P-s
moist meadows &	7/25-11	FW+	Nt P-f
sandy moist prairie	9/16,10	FW-	Nt P-f
fen [&P/W]	7/12-9	U	Nt P-f
& woods [W]	4/15-6	FU	Nt P-f
	6/15-8	U	Ad A-f
	5/28-11	FW-	crypto
& wet; sedge mead	6/18-9	O	Nt P-f
\$	7/01-10	U	Ad B-f
transit [W]	7/21,8	FU	Nt P-f
& strm banks, wet meadows ,forest:	6/17-9	FW	Nt A-f
woodland edges [W] [&TB]	5/29-9	U	Nt P-f
& wooded floodplains	5/18,6	F	Nt P-s
& open woods	3/15-6	FU	Nt P-f
highways	5/18-9	F+	Ad P-g
fields, lawns	5/13,6	U	Ad P-f
& [W]	7/02-10	U	Nt P-f
varied : & Mein	4/15-6	F-	Nt P-f

dry sandy Bl. Oak &	5/23,6	U	Nt P-g
moist shrub-carr	5/13-7	FW+	Nt P-f
& degraded woods	7/09-10	F-	Nt B-f
	8/20-10	U	Nt P-f
	5/14-7	U	Nt P-f
streams; waste	unkn	F+	Nt P-f
waste	7/07-9	U	Ad A-g
	4/16,5	F+	Nt A-f
	8/14-10	O	Nt P-f
wet [&P]	7/23-9	F+	Nt P-f
& bottoms; swamps	3/31-6	FW+	Nt P-f
marshes	6/07-9	O	Nt P-f
&	8/12-10	O	Nt P-f
wet	6/15-8	O	Nt P-f
wet, low meadows	5/03,6	FW	Nt P-f
fens	8/09-10	O	Nt B-f
wet	9/03-11	O	Nt A-f
& edges	7/31-10	FU+	Nt P-f
sandy, old fields	6/24-10	U	Nt A-f
aquatic	5/25,6	O	Nt P-f
moist prairie	4/26-6	FW	Nt P-g
wet - calcareous seeps	7/05-10	FW+	Nt P-f
wet [W]	6/03-10	FU+	Nt P-f
wet: sedge meadow (NW corner)	9/14	O	Nt P-f
alluvial plains, stream banks	4/26 6	FW	Nt tr
woodlands; &[TB] trail edges	6/27-9	FU+	Nt P-f
wet ?	8/14-10	FU	Nt A-f
wet woods & [W]	7/04-9	F	Nt A-f
waste, old fields	8/06-10	FU	Nt P-f
prairie &	7/05-10	F	Nt P-f
lawns, fields	5/27-7	FU+	Ad P-g
under trees	6/19-10	U	Nt A-f
lowland prairie	7/18-9	F-	Nt P-f
& many	8/28-10	FU	Nt P-f
roadside	6/06-9	U	Nt P-f
ditches;	5/	??	Nt P-f
streams ; waste	6/26-9	F+	Nt P-f
	4/28-8	FW-	crypto
mesic [&P/W - TB]	6/04-8	U	Nt P-f

marsh	7/17-9	O	Nt P-f
moist woods	8/28-10	F+	Nt P-f
many	5/25-10	FU	Nt P-f
gar, waste	6/22-10	FU	Nt A-f
shaded lawns, paths	4/27-8	F	Ad P-f
sandy [& TB]	5/26-7	F-	Nt P-g
	6/05,7	FU	Ad P-g
floodplain forests	4/17-6	FU-	Nt B-f
med. wet forests &	3/13,5	FU	Nt P-f
moist	6/11-9	FW	Nt P-f
prairie &	5/11-7	U	Nt B-f
	6/15-9	F	Ad W-v
marshes	5/26,6	O	Nt P-f
dry, rocky field	5/19-8	FU	Ad A-f
wet; prairies & woods	6/21-8	F+	Nt P-f
wet	7/20-9	O	Nt P-f
	4/26,5	O	Nt P-s
& outcrop; many [W]	5/12-8	FU	Nt P-f
rich woods [W]	4/22,5	U	Nt P-f
& wet to moist	6/29,7	FW-	Nt P-g
waste	7/07-10	FU-	Ad A-f
knobs &	4/03-6	U	Nt P-f
wooded floodplains	3/31-5	FW	Nt P-f
woods	7/15,8	F-	Nt W-v
woods [W]	5/09,6	F	Nt P-f
moist woods	7/19-10	F	Nt W-v
sandy prairie, etc	7/27-10	F	Nt P-f
	8/16-10	F	Nt P-f
edges	5/18,6	FU+	Nt sh
water	4/22-8	O	Ad P-f
marshes	6/29-10	O	Nt P-f
moist muddy	8/01-10	FW	Nt A-f
ditches, water	6/10-9	O	Nt P-f
open marshes; prairie	5/11,6	O	Nt P-s
sandy prairie	8/14-10	FU	Ad P-f
	unkn	U	Ad A-g
sandy; dunes, bogs	unkn	FU	Nt tr
woods	4/03,5	F	Nt tr
dry, rocky, sandy	6/19-9	F	Nt P-f

woods &	5/29-9	F	Nt P-f
pastures	5/04-10	U	Ad A-f
lawns!!	4/29-11	FU+	Ad P-f
waste	6/25-10	F-	Ad A-f
& [W] wet to dry woods, forests, r	8/20-11	FU	Nt P-f
	5/05,6	F	Ad tr
woods	4/15-6	F	Nt tr
dry prairie & savanna	6/21-10	U	Nt P-f
& med woods, rocky soil, disturbed	7/12-10	U	Nt P-f
roadsides, \$	6/02-11	FU	Ad B-f
prairie & woods	6/01,7	FU+	Nt P-f
sandy	5/27-7	U	Nt P-g
sand hill	4/09,5	U	Nt A-f
dry prairie [&TB]	6/25-7	U	Nt P-f
fields; woods	5/10,6	FW-	Nt W-v
& \$	5/04,6	FU	Nt tr
moist woods, floodplains	4/08-6	FW	Nt sh
shady & savanna [W][TB]	4/15-7	F-	Nt P-f
floodplains	7/29-10	FW-	Nt H-v
prair, & dry to wet woods	5,6	FU	Nt P-f
woods & [W]	4/08-7	U	Nt P-f
woods	3/31,5	U	Nt sh
& several	6/22-9	F	Nt B-f
Sandy & (W/ Quercus velutina)	4/27-7	U	Nt P-f
several	5/18-8	FW+	Nt P-f
wet	7/17-9	O	Nt P-f
waste places	5/18-10	U	Ad B-f
dry prairies & woods	6/04-10	FU-	Nt P-f
& open	4/16,5	U	Nt tr
dry knob; & savanna	6/14-10	U	Nt P-f
waste	5/11-9	U	Ad A-f
moist	7/19,8	FW	Nt P-f
disturb sandy	7/31-10	FU-	Nt A-f
meadow, & savanna; roadsides	4/07-6	F-	Nt P-f
several	7/04,8	FU	Nt P-f
&	9/05,10	O	Nt P-f
marshy	6/09-9	O	Nt P-f
& savanna	7/01-10	FW	Nt P-f
open, disturb	4/17-7	F	Ad B-f

woods [&P/W]	4/01,5	U	Nt P-f
	5/08,6	F-	Nt P-s
shaded floodplains	7/04-9	FW	Nt P-f
savanna & woods [W][TB]	4/27-6	U	Nt P-f
woods &	5/10,6	FU	Nt P-s
& [W]	6/17,7	FU+	Nt P-g
sandy [W]	6/10-9	U	Nt A-f
& woods	6/13-9	F	Nt P-f
savanna; & woods? [W]	4/13-6	FU	Nt P-f
marshy; moist flats	6/23-9	O	Nt P-s
dry woods, & prairies	6/01,7	U	Nt P-f
sandy	5/26-7	U	Ad A-f
moist prairie	6/15-9	O	Nt P-f
several	5/25-7	FU	Nt sh
	6/15-8	F+	Nt P-f
& parasitic on Oaks	8/16,9	U	Nt P-f
cultiv	7/05-9	F	Ad A-g
wood edges, [&P] thickets	7/19-9	FU	Nt P-f
woods [W]	5/31-7	U	Nt W-v
springy	5/27-7	O	Nt P-f
& dry savanna	4/27-8	F	Nt P-f
prairie \$	5/17-10	FU	Ad B-f
ponds	4/27-7	O	Nt P-f
knob &	5/06-10	U	Nt P-f