

**Inventory of Roadside Prairies
Illinois Department of Transportation
District 6**

**Illinois Natural History Survey
Center for Biodiversity
Technical Report (15) 2003**

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INTRODUCTION

The Illinois Department of Transportation (IDOT) has been interested in mapping roadside prairie since 1992. A formal request was made in 1998 by Rich Nowack to map prairie while traveling to other IDOT project areas, and as time allowed. IDOT's justification for this project was to preserve prairie habitat, and limit accidental mowing and herbicide spraying of native prairie remnants. In 2000, IDOT made this project a priority. In the 2001 field season, a more detailed and systematic approach was taken to survey prairies in Illinois. This report and final GIS map is the result of the information gathered during the 2002 field season in IDOT District 6.

MATERIALS AND METHODS

A significant amount of remaining prairie in Illinois is located in joint rights-of-way of railroads and roads. This is due to the protection from cultivation and other disturbances. Using the Geographic Information System (GIS), a map of District 6 was generated for field use. This map has all areas marked where a road and railroad were within 400 ft of each other. Using this map, these areas were systematically checked for native prairie and savanna remnants. For the majority of the remnants, a limited survey was warranted. This consisted of stopping at regular intervals to generate species lists and gather data needed to characterize each site. If a remnant was higher quality, more time was spent surveying the remnant; however, the scale of this project made detailed surveys of each remnant impractical.

During 2001, IDOT District 5 was surveyed throughout the growing season (Handel 2002). Early surveys resulted in better recording of spring and early summer flora. The disadvantage of early sampling was that it was slower, and identification of warm-season grasses and forbs was more difficult. Warm-season grasses at this time often needed a close examination to identify species and abundance. Late surveys, especially September to October, allow for quick identification of remnants because the native grasses are the most visible at this time. The drawback of late surveys, is that spring and summer flora are overlooked because they have gone dormant or they are obscured by the taller fall

vegetation. A similar roadside survey conducted in Minnesota was conducted in late summer and fall (Bolin et al. 1988). To cover more area in 2002, surveying was done in two phases, April to July and then again in August to October. The first phase was to eliminate areas of roadsides that were destroyed or were very low quality. This saved valuable time during the peak survey period, summer and fall, when attention was focused on surveying extant remnants.

The following data were recorded on each remnant. The evaluator(s), date, and county were recorded for each site. GPS readings for starting and ending points were taken on the majority sites. On a few small sites a central point was taken. The location was mapped using roads and other reference points. A quality rating of 1, 2, or 3 was assigned to the remnants, with number 1 being the best quality and 3 being the poorest quality. Some remnants had a combination of two or more quality classes. For example, there could be one small high-quality section (1) within a larger degraded remnant (3). The type of plant community or communities that were present was noted, for example dry-mesic prairie. Width, distance to edge of pavement, and length of each remnant were recorded. Evidence of management or the presence of signs protecting prairie vegetation were noted. The status of the railroad and presence of prairie habitat on the side away from the highway also were recorded. Threats to each remnant were recorded. This included exotics, woody invasion, or man-made disturbances such as mowing, cultivation, or spraying. Finally, a species list was generated for each remnant. Species were excluded if they occurred just in the roadside ditch or in the railroad ballast. Exotics were only counted if they were found in the remnant. Relative abundance was recorded for each species observed on a 1 to 5 scale. Botanical nomenclature follows Mohlenbrock (1986). Community classification follows White (1978). I was very liberal with the lower rating class 3 prairie. Active management, such as controlled burning, probably has not occurred on these remnants for a long period. Vast improvement of similar degraded prairie habitat has been demonstrated after active management was implemented (Handel 2000). In other highway prairie studies after active management was implemented, prairie improved and some rare species maintained or slightly increased in abundance (Bolin et al. 1988).

TERMS USED IN SITE DESCRIPTIONS

Relative Abundance Values (RAV):

1. Rare
2. Occasional
3. Common
4. Abundant
5. Dominant

Quality Classes

1. This class was reserved for highest quality prairie remnants. These sites have a low abundance of exotic species. Forb diversity and density is high. In class 1, conservative prairie species are present. These sites roughly parallel a rating of Illinois Natural Area Inventory (INAI) grade A or B (White 1978). A more detailed survey, including quantitative data would be needed to determine if they truly qualify for INAI status.
2. These remnants still have a matrix of native forbs and grasses remaining. The prairie is somewhat degraded, however there is still some resemblance of a prairie community. Class 2 remnants are characterized by presence of the major warm-season grasses and disturbance-tolerant forbs. In some cases conservative species occur in low abundance. Class 2 prairie would roughly parallel an INAI rating of grade C.
3. Highly degraded prairie was ranked as Class 3. In class 3 remnants, prairie species were present but the community was highly disturbed. Exotic species usually dominate portions of the remnant. There can be some conservative species present, but the majority of the species are common prairie grasses and a few disturbance-tolerant forbs. Class 3 has also been reserved for areas that are solid stands of prairie grasses. This would be roughly parallel an INAI rating of grade D.

PRAIRIE COMMUNITIES IN ILLINOIS

Because of their rarity, species diversity, and vulnerability to habitat degradation, prairie communities are of special concern in Illinois. Prairie was the dominant community type in the state before 1820 (Iverson et al. 1989). After the invention of the steel plow, areas of prairie were quickly converted to agricultural crops. Of the estimated 22,000,000 acres of prairie that occurred in the state, only 2,352 acres of high-quality prairie remained by 1976, about 1/100th of 1% (White 1978). The amount of prairie in District 6 in 1820 was approximately 3,637,400 acres. In 1976, the total acreage of high quality prairie (A or B) remaining in District 6 was 287 acres or 0.008% (White 1978). There are no specific data

on the amount of grade C - D prairie remaining in IDOT District 6. It is known that there has been a significant decline in prairie throughout the state since the Natural Areas Inventory was completed in 1976. Encroachment by woody vegetation, conversion to agricultural crops in railroad rights-of-way, and lack of management all have contributed to the decline of prairie communities statewide. The remaining grade C or D quality prairie remnants are an extremely important biological and economic resource. They may not be as floristically diverse as grade A or B remnants, but they serve important functions in the Illinois landscape:

1. They provide cover and dispersal corridors for prairie flora and fauna.
2. With the decrease in prairie habitat and the increased need for habitat reconstruction and restoration, remnants provide an invaluable source of seed of local ecotypes.
3. They provide refugia for species that have been eliminated from the nearby landscape and they sometimes link areas of higher quality prairies, allowing for the dispersal of species and genetic exchange from one remnant to another.
4. Because they are often linear in shape, they may cross several soil types and moisture gradients, creating a community of high floristic and faunistic diversity throughout a given landscape.
5. Practical benefits to highway departments include the potential for a reduction in the cost of roadside maintenance, and increased erosion control when native vegetation communities are present (USDT 1975).
6. Native prairie remnants that are managed correctly can also reduce the presence of exotic and noxious weeds along highway corridors.
7. Prairie remnants provide habitat for game species. Millions of dollars are spent each year on creating habitat for species such Ring-necked Pheasant (*Phasianus colchicus*) and Northern Bobwhite (*Colinus virginianus*). Often this artificial habitat consists of one or two prairie grass species. These plantings may provide emergency cover from

harsh winter weather, but they are inferior to the native remnants that provide not only cover, but also high concentrations of food from plant seeds and insects that exist in these natural remnants.

8. In areas of the state where habitat has disappeared because of development or intensive agriculture these remnants are often the only natural communities of any type that remain on a regional scale.

RESULTS AND DISCUSSION

General Information and Quality

Prairies are marked in **yellow** and numbered (1 to 34) on the map. This number corresponds to a data sheet in the report. The information is summarized in Tables 1 - 3. Eight additional sites were mapped but data were not collected. These eight sites were mowed several times during the growing season. These areas are mapped on the District 6 Prairie Remnant Map in red with a letter **M**. Prairie was seen at some of these sites in past years during other survey work. In late fall, the characteristic golden color of the native grasses was evident at these sites even though they were mowed. Several trips were made to get data on these areas. Unfortunately, the mowing never allowed for a proper survey. If the roadside mowing was limited to three feet past the roadside ditch and where intersections exist, this prairie survey would have been more complete. Local municipalities and farmers appeared to be mowing some of these remnants.

According to the GIS mapping, there were approximately 547 miles of joint roadway and railroad rights-of-way in District 6. Thirty-four prairie and savanna remnants were located in these joint rights-of-ways in District 6 during the 2002-growing season, totaling 99.9 miles or (18.3%). Only 9 of 34 (26%) of the prairie remnants had significant prairie vegetation present on the far side of the tracks. The majority of the prairie remnants, 22 of 34 (65%) were class 3 (the lowest quality prairie). Ten of 34 (29%) were in class 2 (medium quality) category. Only 6 of 34 (18%) prairie remnants were considered to be class 1 (highest quality) category. Dry-mesic prairie and mesic prairie were the communities most frequently encountered. There were three high quality dry-mesic savanna remnants located in District 6 during the survey. Wet-mesic prairie

was extremely rare with only 1 of 34 (3%) located in District 6. This is probably due to the intense effort to drain areas adjacent to roads and intensive tiling throughout Illinois. Even though a large portion of the State's sand prairie habitat occurs in District 6, sand prairie was very rare and was concentrated at one site. Only 4 of 34 (12%) of remnants surveyed had signs protecting prairie or indication of management and three of these were nature preserves.

Table 1. General Information on prairie remnants in joint Illinois Department of Transportation and Railroad rights-of-way in District 6 including: quality, communities, evidence of management or signage, railroad activity. The percentage in the quality class and natural communities may exceed 100%, because some sites had more than one quality class or natural community present.

Quality	# Sites (out of 34)	% of sites
Class 3	22	65%
Class 2	10	29%
Class 1	6	18%

Natural Communities	# Sites (out of 34)	% of sites
Dry-mesic prairie	23	68%
Mesic prairie	8	23%
Dry-mesic savanna	4	12%
Wet-mesic prairie	1	3%
Dry sand prairie	1	3%
Dry-mesic sand prairie	1	3%
Mesic sand prairie	1	3%
Wet sand prairie	1	3%
Dry-mesic sand savanna	1	3%

Signage or evidence of management (Burning)

No	30	88%
Yes	4	12%

Railroad Activity

Active	24	71%
Abandoned	10	29%

Presence of prairie on RR R-O-W opposite tracks

No	24	74%
Yes	9	26%

Threats to Remnants

Roadside rights-of-way are affected by a multitude of human disturbances: mowing, salt, car emissions, ditch maintenance, herbicide application from both the roadside and railways, and the installation of communication and utility lines. These disturbances keep the structure and composition of these remnants in a constant state of fluctuation. The remnants that were found during this survey all show some form of disturbance. Exotic species threatened virtually all the prairie remnants in District 6 effecting 33 of 34 (97%) remnants. Nineteen of the 34 prairies (56%) were degraded by mowing to some extent; this does not include the 12 additional remnants that could not be surveyed because of continuous mowing. Woody invasion from both exotics and native species was a threat in 9 of 34 remnants (26%). Digging of plants might be a greater problem than indicated in this report, because evidence of digging easily could be overlooked during the assessment.

Table 2. Type of threat and frequency among prairie remnants in IDOT District 6.

Threats	# Sites (out of 34)	% of sites
Exotics	33	97%
Mowing	19	56%
Woody invasion	9	26%

Exotics

If exotics were limited to the railroad ballast or roadside ditch they were not considered a threat. Generally, if an exotic species occurred in the remnant and had an abundance rating of 3 or above it was considered a threat. The cool season grass *Festuca pratensis* (meadow fescue) was the most common exotic encountered occurring in 23 of 34 (68%). *Pastinaca sativa* (wild parsnip) and *Bromus inermis* (smooth brome grass) were also prevalent in remnants. Meadow fescue and smooth brome grass area often planted when seeding roadsides. They can also invade from adjoining pastures and hayfields. *Robinia pseudoacacia* (black locust) was the most common exotic woody species found in remnants occurring in 8 of 34 (23%).

Table 3. List of exotics that were a threat to prairie remnants in IDOT District 6.

Scientific Name	Common Name	# Sites (out of 34)	% of Occurrence
<i>Festuca pratensis</i>	meadow fescue	23	68%
<i>Pastinaca sativa</i>	wild parsnip	19	56%
<i>Bromus inermis</i>	smooth brome grass	17	50%
<i>Melilotus</i> spp.	sweet clovers	9	26%
<i>Robinia pseudoacacia</i>	black locust	8	23%
<i>Phalaris arundinacea</i>	reed canary grass	7	21%
<i>Dipsacus laciniatus</i>	cut-leaved teasel	5	15%
<i>Coronilla varia</i>	crown vetch	2	5%
<i>Elaeagnus umbellata</i>	autumn olive	2	5%
<i>Lonicera maackii</i>	amur honeysuckle	2	5%
<i>Lespedeza cuneata</i>	Chinese bush clover	1	1%
<i>Lonicera japonica</i>	Japanese honeysuckle	1	1%
<i>Maclura pomifera</i>	Osage orange	1	1%
<i>Morus alba</i>	white mulberry	1	1%
<i>Saponaria officinalis</i>	bouncing bet	1	1%

Literature Cited

Bolin, K.E., N.J. Albrecht, and R.L. Jacobson 1988. Identification, preservation, and management of Minnesota roadside prairie communities. Transportation Research Record 1279. Pp 79-85

Edwards A.L., & J.B. Taft 2001. FAS 735 (Shipman Blacktop) Section 6 (W, RS-2) IL 108 in Carlinville to 1.8 miles south. Job No. D-96-548-00. Macoupin County. Report prepared for the Illinois Department of Transportation, Bureau of Design and Environment, Springfield. Center for Biodiversity Memo, Illinois Natural History Survey 6 pp.

Handel, W.C. 2002. Inventory of roadside prairies in Illinois Department of Transportation District 5. Technical report prepared for the Illinois Department of Transportation, Bureau of Design and Environment, Springfield. Center for Biodiversity Technical Report 2002(6), Illinois Natural History Survey, Champaign. 83 pp.

Handel, W.C. 2000. When to do little: Old and new techniques in community restoration and reconstruction. Pp. 30 –36, in T.E. Rice (ed.), Proceedings of the Fifth Central Illinois Prairie Conference. People and Prairies: Caring for Where We Live. Champaign, Illinois.

Handel W.C. 1997. The noteworthy vegetation within the FAP 75 (IL 29) Illinois Department of Transportation Project Area from Rochester to Taylorville Endangered and threatened species and natural quality determination. Final report prepared for the Illinois Department of Transportation, Springfield, Illinois. Center for Biodiversity technical report 1997(15), Illinois Natural History Survey 16 pp.

(U.S. Department of Transportation), Highway-Wildlife Relationships, Vol. 1. Report FHWA-RO-76-4. FHWA, 1975, 183 pp.

(U.S. Department of Transportation) Highway-Wildlife Relationships, Vol. 2. Report FHWA-RO-76-5. FHWA, 1975, 417 pp.

Iverson, L.R., R.L. Oliver, D.P. Tucker, P.G. Risser, C.D. Burnett, and R.G. Rayburn. 1989. Forest resources of Illinois: an atlas and analysis of spatial and temporal trends. Illinois Natural History Survey Special Publication No. 11. vii + 181 pp. + map.

Mohlenbrock, R. H. 1986. Guide to the vascular flora of Illinois. Revised and enlarged edition. Southern Illinois University Press, Carbondale. 507 pp.

White, J. 1978. Illinois natural areas inventory technical report. Vol. 1: Survey methods and results. Illinois Natural Areas Inventory, Urbana. 426 pp.

Site: District 6

N# 1

Date: 9/24/02

Evaluator(s): William C. Handel

Location: US 106 (from 300 E to 500 E)

County: Pike

GPS Data: Starting UTM 15T 0641393 - 4397673

GPS Data Ending UTM 15T 0648636 - 4397160

Quality Class: 3

Natural Community Type(s): Mesic to wet-mesic prairie

(Quality Classes: 1=Grades A or B, 2 = C, 3=D)

Threats: exotics, mowing

Scientific Name

Common Name

Phalaris arundinacea

reed canary grass

Prairie Width: 40 m

Signs or Evidence of Management: No

Dist. from Pavement: 4 m **Railroad Activity:** Active

Prairie Length: 3.7 miles

Prairie present on opposite side of track: Yes

Significant or Exceptional Features: None

Comments: The majority of the area has been mowed.

Plant List for Site N#1

Scientific Name

Common Name

RAV

Andropogon gerardii

big bluestem

3

Eupatorium altissimum

tall boneset

1

Fraxinus americana

white ash

3

Helianthus grosseserratus

tall sunflower

4

Lespedeza capitata

bush clover

1

Muhlenbergia mexicana

leafy satin grass

3

Panicum virgatum

prairie switch grass

2

Phalaris arundinacea

reed canary grass

4

Populus deltoides

cottonwood

1

Rubus allegheniensis

common blackberry

1

Rudbeckia subtomentosa

fragrant coneflower

2

Salix exigua

sandbar willow

2

Solidago canadensis

Canada goldenrod

3

Spartina pectinata

prairie cord grass

5

Typha latifolia

cattail

3

Site: District 6

N# 2

Date: 9/24/02

Evaluator(s): William C. Handel

Location: US 24 0.2 tenths of a mile from the village of Fowler

County: Adams

GPS Data: Starting UTM 15T 0649259 - 4430073

GPS Data Ending UTM 15T 0650248- 4430478

Quality Class: 1

Natural Community Type(s): Dry-mesic prairie

(Quality Classes: 1=Grades A or B, 2 = C, 3=D)

Threats: exotics

Scientific Name

Common Name

Pastinaca sativa

wild parsnip

Prairie Width: 40 m

Signs or Evidence of Management: No

Dist. from Pavement: 1 m **Railroad Activity:** Active

Prairie Length: 1.7 miles

Prairie present on opposite side of track: Yes

Significant or Exceptional Features: This remnant has high diversity and abundance of conservative species. It was mowed between the spring and summer surveys. Because this area appeared exceptional, I compiled a species list during the spring survey.

Comments: Prairie vegetation is on both sides of the US 24, but the best quality occurs on the south side. This area was mowed despite the extremely steep banks. Because of the steep grade, there was apparent loss of traction during mowing which caused some erosion problems. Since there appears to be no problem with visibility from oncoming or side road traffic, it seems that mowing this area is unnecessary and potentially dangerous.

Plant List for Site N#2

Scientific Name	Common Name	RAV
<i>Amorpha canescens</i>	lead plant	2
<i>Andropogon gerardii</i>	big bluestem	2
<i>Asclepias tuberosa</i>	butterflyweed	1
<i>Aster novae-angliae</i>	New England aster	1
<i>Aster praealtus</i>	willow-leaved aster	1
<i>Baptisia leucophaea</i>	cream wild indigo	2
<i>Cassia fasciculata</i>	partridge pea	3
<i>Ceanothus americanus</i>	New Jersey tea	1
<i>Cirsium discolor</i>	field thistle	2
<i>Coreopsis palmata</i>	prairie coreopsis	4
<i>Cornus racemosa</i>	gray dogwood	3
<i>Corylus americana</i>	hazelnut	3
<i>Dalea candida</i>	white prairie clover	1
<i>Dalea purpurea</i>	purple prairie clover	2
<i>Danthonia spicata</i>	curly grass	2
<i>Desmanthus illinoensis</i>	Illinois bundleflower	2
<i>Desmodium canadense</i>	showy tick trefoil	2
<i>Desmodium sessilifolium</i>	sessile-leaved tick trefoil	2
<i>Echinacea purpurea</i>	broad-leaved purple coneflower	4
<i>Eragrostis spectabilis</i>	purple love grass	3
<i>Euthamia graminifolia</i>	grassleaf goldenrod	2
<i>Helianthus grosseserratus</i>	tall sunflower	4

<i>Helianthus mollis</i>	hairy sunflower	2
<i>Helianthus rigidus</i>	prairie sunflower	2
<i>Lespedeza capitata</i>	bush clover	2
<i>Liatris aspera</i>	rough blazing star	2
<i>Liatris cylindracea</i>	cylindrical blazing star	1
<i>Panicum oligosanthes</i> var. <i>scribnerianum</i>	panic grass	2
<i>Parthenium integrifolium</i>	American feverfew	2
<i>Pastinaca sativa</i>	wild parsnip	3

Plant List for Site N#2 cont.

Scientific Name	Common Name	RAV
<i>Polygala sanguinea</i>	field milkwort	2
<i>Ratibida pinnata</i>	drooping coneflower	2
<i>Rosa carolina</i>	pasture rose	2
<i>Rubus allegheniensis</i>	common blackberry	2
<i>Salix humilis</i>	prairie willow	3
<i>Schizachyrium scoparium</i>	little bluestem	4
<i>Setaria geniculata</i>	perennial foxtail	2
<i>Silphium laciniatum</i>	compass plant	3
<i>Solidago nemoralis</i>	dyersweed goldenrod	2
<i>Solidago rigida</i>	rigid goldenrod	2
<i>Sorghastrum nutans</i>	Indian grass	4
<i>Sporobolus asper</i>	drop seed	1
<i>Sporobolus heterolepis</i>	northern drop seed	1
<i>Tridens flavus</i>	false red top	2

Site: District 6

N# 3

Date: 9/24/02

Evaluator(s): William C. Handel

Location: 000 County Line

County: Hancock

GPS Data: Starting UTM 15T 0672724 - 4451252

GPS Data Ending UTM 15T 0673237- 4452048

Quality Class: 1-2

Natural Community Type(s): Dry-mesic prairie/savanna

(Quality Classes: 1=Grades A or B, 2 = C, 3=D)

Threats: exotics

Scientific Name

Common Name

Pastinaca sativa

wild parsnip

Robinia pseudoacacia

black locust

Prairie Width: 35 m

Signs or Evidence of Management: No

Dist. from Pavement: 0 m **Railroad Activity:** Active

Prairie Length: 0.3 miles

Prairie present on opposite side of track: Yes

Significant or Exceptional Features: Several conservative species are found in this remnant.

Comments: Prairie and savanna vegetation occurs on both sides of the road.

Plant List for Site N#3

Scientific Name	Common Name	RAV
<i>Ambrosia trifida</i>	giant ragweed	3
<i>Andropogon gerardii</i>	big bluestem	4
<i>Asclepias syriaca</i>	common milkweed	1
<i>Aster ericoides</i>	heath aster	2
<i>Aster praealtus</i>	willow-leaved aster	3
<i>Aster turbinellus</i>	prairie aster	2
<i>Astragalus canadensis</i>	Canada milk vetch	1
<i>Aureolaria grandiflora</i>	yellow false foxglove	1
<i>Baptisia lactea</i>	white wild indigo	2
<i>Bromus inermis</i>	smooth brome grass	3
<i>Bromus purgans</i>	brome grass	2
<i>Cassia fasciculata</i>	partridge pea	2
<i>Ceanothus americanus</i>	New Jersey tea	1
<i>Cinna arundinacea</i>	stoutwood reed	1
<i>Cirsium discolor</i>	field thistle	3
<i>Coreopsis tripteris</i>	tall coreopsis	2
<i>Cornus racemosa</i>	gray dogwood	3
<i>Corylus americana</i>	hazelnut	1
<i>Desmodium canadense</i>	showy tick trefoil	2
<i>Echinacea purpurea</i>	broad-leaved purple coneflower	2
<i>Elymus canadensis</i>	Canada wild rye	2
<i>Elymus hystrix</i>	bottlebrush grass	2
<i>Elymus virginicus</i>	wild rye	2
<i>Eragrostis spectabilis</i>	purple love grass	1
<i>Euphorbia corollata</i>	flowering spurge	2
<i>Gaura biennis</i>	gaura	1
<i>Helianthus grosseserratus</i>	tall sunflower	4

<i>Helianthus mollis</i>	hairy sunflower	1
<i>Helianthus rigidus</i>	prairie sunflower	1
<i>Helianthus strumosus</i>	pale-leaved sunflower	1
<i>Lactuca canadensis</i>	Canada lettuce	1
<i>Lespedeza capitata</i>	bush clover	2
<i>Monarda fistulosa</i>	wild bergamot	1
<i>Panicum oligosanthes</i> var. <i>scribnerianum</i>	panic grass	1
<i>Parthenium integrifolium</i>	American feverfew	3

Plant List for Site N#3 cont.

Scientific Name	Common Name	RAV
<i>Pastinaca sativa</i>	wild parsnip	3
<i>Pycnanthemum virginianum</i>	mountain mint	2
<i>Quercus alba</i>	white oak	2
<i>Quercus macrocarpa</i>	burr oak	1
<i>Ratibida pinnata</i>	drooping coneflower	3
<i>Rhus aromatica</i>	aromatic sumac	1
<i>Rhus glabra</i>	smooth sumac	1
<i>Robinia pseudoacacia</i>	black locust	2
<i>Rudbeckia subtomentosa</i>	fragrant coneflower	2
<i>Salix humilis</i>	prairie willow	1
<i>Solidago canadensis</i>	Canada goldenrod	3
<i>Solidago gigantea</i>	late goldenrod	2
<i>Solidago missouriensis</i>	Missouri goldenrod	2
<i>Solidago nemoralis</i>	dyersweed goldenrod	1
<i>Solidago rigida</i>	rigid goldenrod	2
<i>Solidago ulmifolia</i>	elm-leaved goldenrod	2
<i>Sorghastrum nutans</i>	Indian grass	3
<i>Spartina pectinata</i>	prairie cord grass	2
<i>Ulmus americana</i>	American elm	2
<i>Vernonia missurica</i>	Missouri ironweed	2

Site: District 6

N# 4

Date: 10/29/02

Evaluator(s): William C. Handel

Location: IL 97 south of Kilbourne

County: Mason

GPS Data: Starting UTM 15T 0755159 - 4448025

GPS Data Ending UTM 15T 0755555 - 4447438

Quality Class: 3

Natural Community Type(s): Dry sand prairie/savanna

(Quality Classes: 1=Grades A or B, 2 = C, 3=D)

Threats: exotics

Scientific Name

Common Name

Robinia pseudoacacia

black locust

Prairie Width: 100 m

Signs or Evidence of Management: No

Dist. from Pavement: 0 m **Railroad Activity:** Active

Prairie Length: 0.5 miles

Prairie present on opposite side of track: No

Significant or Exceptional Features: None

Comments: Prairie vegetation occurs on both sides of IL 97.

Plant List for Site N#4

Scientific Name

Common Name

RAV

Andropogon gerardii

big bluestem

2

Brickellia eupatorioides

false boneset

1

Eragrostis spectabilis

purple love grass

2

Eragrostis trichodes

love grass

1

Heterotheca camporum

golden aster

3

Monarda punctata

horsemint

3

Opuntia macrorhiza

bigroot prickly-pear

3

Panicum villosissimum

hairy panic grass

1

Paspalum bushii

hairy bead grass

2

Quercus marilandica

blackjack oak

4

Quercus velutina

black oak

2

Robinia pseudoacacia

black locust

1

Rosa carolina

pasture rose

2

Sporobolus asper

drop seed

3

Tridens flavus

false red top

5

Site: District 6

N# 5

Date: 10/29/02

Evaluator(s): William C. Handel

Location: IL 97 south of Kilbourne

County: Mason

GPS Data: Starting UTM

15T 0755582 - 4447404

GPS Data Ending UTM

15T 0245532 - 4445948

Quality Class: 3

Natural Community Type(s): Mesic to wet-mesic sand prairie

(Quality Classes: 1=Grades A or B, 2 = C, 3=D)

Threats: exotics

Scientific Name

Saponaria officinalis

Common Name

bouncing bet

Prairie Width: 20 m

Signs or Evidence of Management: No

Dist. from Pavement: 1 m **Railroad Activity:** Active

Prairie Length: 1.6 miles

Prairie present on opposite side of track: No

Significant or Exceptional Features: None

Comments: Prairie vegetation occurs on both sides of IL 97.

Plant List for Site N#5

Scientific Name

Common Name

RAV

Achillea millefolium

yarrow

2

Amorpha fruticosa

false indigo bush

3

Andropogon gerardii

big bluestem

3

Baptisia lactea

white wild indigo

1

Cephalanthus occidentalis

buttonbush

4

Elymus canadensis

Canada wild rye

1

Eragrostis spectabilis

purple love grass

2

Eryngium yuccifolium

rattlesnake master

3

Heterotheca camporum

golden aster

3

Lespedeza capitata

bush clover

1

Panicum villosissimum

hairy panic grass

1

Poa pratensis

Kentucky bluegrass

2

Saponaria officinalis

bouncing bet

4

Schizachyrium scoparium

little bluestem

2

Silphium laciniatum

compass plant

2

Silphium perfoliatum

cup plant

2

Solidago canadensis

Canada goldenrod

1

Solidago missouriensis

Missouri goldenrod

1

Sorghastrum nutans

Indian grass

4

Spartina pectinata

prairie cord grass

3

Tridens flavus

false red top

4

Verbena hastata

blue vervain

1

Veronicastrum virginicum

Culver's root

2

Site: District 6

N# 6

Date: 923/02

Evaluator(s): William C. Handel

Location: IL 10 west of Mason City 0.4 miles from 1000 N

County: Mason

GPS Data: UTM

16T 0755582 – 4447404

Quality Class: 3

Natural Community Type(s): Dry-mesic prairie

(Quality Classes: 1=Grades A or B, 2 = C, 3=D)

Threats: woody invasion, exotics, mowing

Scientific Name

Common Name

Bromus inermis

smooth brome grass

Coronilla varia

crown vetch

Festuca pratensis

meadow fescue

Pastinaca sativa

wild parsnip

Prairie Width: 25 m

Signs or Evidence of Management: No

Dist. from Pavement: 5 m **Railroad Activity:** Abandoned

Prairie Length: 1.45 miles **Prairie present on opposite side of track:** No

Significant or Exceptional Features: None

Comments: None

Plant List for Site N#6

Scientific Name

Common Name

RAV

Andropogon gerardii

big bluestem

3

Bromus inermis

smooth brome grass

4

Coronilla varia

crown vetch

3

Dalea purpurea

purple prairie clover

1

Desmanthus illinoensis

Illinois bundleflower

3

Elymus canadensis

Canada wild rye

1

Euphorbia corollata

flowering spurge

1

Festuca pratensis

meadow fescue

3

Gaura biennis

gaura

3

Helianthus grosseserratus

tall sunflower

3

Helianthus rigidus

prairie sunflower

3

Lespedeza capitata

bush clover

1

Mirabilis nyctaginea

wild four-o'clock

3

Pastinaca sativa

wild parsnip

3

Rubus allegheniensis

common blackberry

1

Solidago canadensis

Canada goldenrod

4

Sorghastrum nutans

Indian grass

3

Sporobolus asper

drop seed

3

Tridens flavus

false red top

3

Site: District 6

N# 7

Date: 11/18/02

Evaluator(s): William C. Handel

Location: Old Route 66 northeast of Lincoln

County: Logan

GPS Data: Starting UTM 16T 0304303 - 4452809

GPS Data Ending UTM 16T 0300733- 4449008

Quality Class: 3

Natural Community Type(s): Mesic prairie

(Quality Classes: 1=Grades A or B, 2 = C, 3=D)

Threats: exotics, mowing

Scientific Name

Common Name

Bromus inermis

smooth brome grass

Dipsacus laciniatus

cut-leaved teasel

Festuca pratensis

meadow fescue

Melilotus alba

white sweet clover

Pastinaca sativa

wild parsnip

Prairie Width: 38 m

Signs or Evidence of Management: No

Dist. from Pavement: 7 m **Railroad Activity:** Active

Prairie Length: 3.2 miles

Prairie present on opposite side of track: No

Significant or Exceptional Features: None

Comments: None

Plant List for Site N#7

Scientific Name

Common Name

RAV

Ambrosia artemisiifolia

ragweed

1

Andropogon gerardii

big bluestem

4

Aster ericoides

heath aster

3

Aster novae-angliae

New England aster

1

Aster praealtus

willow-leaved aster (check)

2

Bromus inermis

smooth brome grass

3

Cirsium discolor

field thistle

2

Dipsacus laciniatus

cut-leaved teasel

4

Elymus canadensis

Canada wild rye

2

Eupatorium altissimum

tall boneset

3

Festuca pratensis

meadow fescue

3

Helianthus grosseserratus

tall sunflower

2

Melilotus alba

white sweet clover

3

Monarda fistulosa

wild bergamot

2

Pastinaca sativa

wild parsnip

3

Ratibida pinnata

drooping coneflower

3

Rosa carolina

pasture rose

2

Silphium laciniatum

compass plant

3

Silphium terebinthinaceum

prairie dock

2

Solidago canadensis

Canada goldenrod

4

Solidago rigida

rigid goldenrod

4

Sorghastrum nutans

Indian grass

1

Spartina pectinata

prairie cord grass

3

Site: District 6

N# 8

Date: 11/18/02

Evaluator(s): William C. Handel

Location: Old Route 66 Broadwell to Elkart

County: Logan

GPS Data: Starting UTM 16T 0288495 - 4433700

GPS Data Ending UTM 16T 0294635 - 4442532

Quality Class: 3

Natural Community Type(s): Dry-mesic prairie

(Quality Classes: 1=Grades A or B, 2 = C, 3=D)

Threats: exotics, mowing

Scientific Name

Common Name

Bromus inermis
Elaeagnus umbellata
Festuca pratensis
Lonicera maackii
Morus alba
Phalaris arundinacea

smooth brome grass
autumn olive
meadow fescue
amur honeysuckle
white mulberry
reed canary grass

Prairie Width: 30 m

Signs or Evidence of Management: No

Dist. from Pavement: 5 m **Railroad Activity:** Active

Prairie Length: 6.7 miles

Prairie present on opposite side of track: No

Significant or Exceptional Features: None

Comments: None

Plant List for Site N#8

Scientific Name

Common Name

RAV

<i>Andropogon gerardii</i>	big bluestem	2
<i>Apocynum cannabinum</i>	dogbane	1
<i>Asclepias syriaca</i>	common milkweed	1
<i>Aster ericoides</i>	heath aster	1
<i>Aster novae-angliae</i>	New England aster	2
<i>Aster pilosus</i>	hairy aster	2
<i>Aster praealtus</i>	willow-leaved aster	1
<i>Bromus inermis</i>	smooth brome grass	3
<i>Cirsium discolor</i>	field thistle	2
<i>Elaeagnus umbellata</i>	autumn olive	3
<i>Elymus canadensis</i>	Canada wild rye	2
<i>Eupatorium altissimum</i>	tall boneset	1
<i>Festuca pratensis</i>	meadow fescue	3
<i>Helianthus grosseserratus</i>	tall sunflower	1
<i>Lonicera maackii</i>	amur honeysuckle	3
<i>Morus alba</i>	white mulberry	3
<i>Panicum virgatum</i>	prairie switch grass	1
<i>Phalaris arundinacea</i>	reed canary grass	2
<i>Rhus glabra</i>	smooth sumac	1
<i>Silphium integrifolium</i>	rosinweed	3
<i>Silphium laciniatum</i>	compass plant	2
<i>Silphium terebinthinaceum</i>	prairie dock	3
<i>Solidago canadensis</i>	Canada goldenrod	3
<i>Solidago rigida</i>	rigid goldenrod	2

<i>Sorghastrum nutans</i>	Indian grass	1
<i>Spartina pectinata</i>	prairie cord grass	3
<i>Sporobolus asper</i>	drop seed	1
<i>Tridens flavus</i>	false red top	2
<i>Vernonia missurica</i>	Missouri ironweed	1
<i>Veronicastrum virginicum</i>	Culver's root	1

Site: District 6

N# 9

Date: 11/06/02

Evaluator(s): William C. Handel

Location: Old Route 66 between Elkhart and Williamsville

County: Logan & Sangamon

GPS Data: Starting UTM

16T 0282946 - 4426726

GPS Data Ending UTM

16T 0287844 - 4432824

Quality Class: 3

Natural Community Type(s): Dry-mesic prairie

(Quality Classes: 1=Grades A or B, 2 = C, 3=D)

Threats: exotics

Scientific Name

Common Name

Bromus inermis

smooth brome grass

Dipsacus laciniatus

cut-leaved teasel

Festuca pratensis

meadow fescue

Pastinaca sativa

wild parsnip

Prairie Width: 34 m

Signs or Evidence of Management: No

Dist. from Pavement: 5 m **Railroad Activity:** Active

Prairie Length: 4.9 miles

Prairie present on opposite side of track: No

Significant or Exceptional Features: None

Comments: None

Plant List for Site N#9

Scientific Name

Common Name

RAV

Ambrosia artemisiifolia

ragweed

1

Andropogon gerardii

big bluestem

5

Asclepias syriaca

common milkweed

2

Aster ericoides

heath aster

3

Aster novae-angliae

New England aster

2

Aster pilosus

hairy aster

2

Bromus inermis

smooth brome grass

3

Dipsacus laciniatus

cut-leaved teasel

3

Elymus canadensis

Canada wild rye

3

Eupatorium altissimum

tall boneset

1

Festuca pratensis

meadow fescue

3

Muhlenbergia mexicana

leafy satin grass

1

Oenothera biennis

evening primrose

2

Pastinaca sativa

wild parsnip

3

Rhus glabra

smooth sumac

2

Rubus allegheniensis

common blackberry

2

Silphium integrifolium

rosinweed

2

Silphium laciniatum

compass plant

1

Silphium perfoliatum

cup plant

1

Silphium terebinthinaceum

prairie dock

4

Solidago canadensis

Canada goldenrod

5

Solidago missouriensis

Missouri goldenrod

2

Solidago rigida

rigid goldenrod

3

Sorghastrum nutans

Indian grass

1

Spartina pectinata

prairie cord grass

2

Tridens flavus

false red top

1

Site: District 6

N# 10

Date: 11/06/02

Evaluator(s): William C. Handel

Location: I-55 and Old US Route 66 to Williamsville

County: Sangamon

GPS Data: UTM 16S 0277859- 4419841

Quality Class: 3

Natural Community Type(s): Dry-mesic prairie

(Quality Classes: 1=Grades A or B, 2 = C, 3=D)

Threats: exotics, mowing

Scientific Name

Common Name

Bromus inermis

smooth brome grass

Dipsacus laciniatus

cut-leaved teasel

Festuca pratensis

meadow fescue

Pastinaca sativa

wild parsnip

Prairie Width: 20-40 m

Signs or Evidence of Management: No

Dist. from Pavement: 4 m **Railroad Activity:** Active

Prairie Length: 4.5 miles

Prairie present on opposite side of track: No

Significant or Exceptional Features: None

Comments: Most of the prairie was mowed at the time of the survey. The Williamsville exit appears to be a prairie reconstruction.

Plant List for Site N#10

Scientific Name	Common Name	RAV
<i>Andropogon gerardii</i>	big bluestem	3
<i>Bromus inermis</i>	smooth brome grass	3
<i>Desmanthus illinoensis</i>	Illinois bundleflower	1
<i>Dipsacus laciniatus</i>	cut-leaved teasel	3
<i>Echinacea pallida</i>	pale purple coneflower	2
<i>Elymus canadensis</i>	Canada wild rye	2
<i>Equisetum laevigatum</i>	smooth scouring rush	2
<i>Festuca pratensis</i>	meadow fescue	4
<i>Helianthus grosseserratus</i>	tall sunflower	2
<i>Lactuca canadensis</i>	Canada lettuce	2
<i>Pastinaca sativa</i>	wild parsnip	3
<i>Rhus glabra</i>	smooth sumac	1
<i>Solidago canadensis</i>	Canada goldenrod	4
<i>Sorghastrum nutans</i>	Indian grass	2
<i>Spartina pectinata</i>	prairie cord grass	1
<i>Typha latifolia</i>	cattail	2
<i>Vernonia missurica</i>	Missouri ironweed	1

Site: District 6

N# 11

Date: 10/30/02

Evaluator(s): William C. Handel

Location: IL 54 from the Logan/Macon County Line to Mount Pulaski

County: Logan & Sangamon

GPS Data: Starting UTM 16S 0317063 - 4437699

GPS Data Ending UTM 16S 0308011 - 4432645

Quality Class: 2-3

Natural Community Type(s): Dry-mesic to mesic prairie

(Quality Classes: 1=Grades A or B, 2 = C, 3=D)

Threats: exotics, mowing

Scientific Name

Common Name

Bromus inermis

smooth brome grass

Festuca pratensis

meadow fescue

Melilotus spp.

sweet clovers

Pastinaca sativa

wild parsnip

Phalaris arundinacea

reed canary grass

Prairie Width: 25 m

Signs or Evidence of Management: No

Dist. from Pavement: 3 m **Railroad Activity:** Active

Prairie Length: 6.5 miles

Prairie present on opposite side of track: No

Significant or Exceptional Features: None

Comments: Some areas have higher forb diversity. The best section is from Chestnut to Mount Pulaski.

Plant List for Site N#11

Scientific Name

Common Name

RAV

Andropogon gerardii

big bluestem

5

Apocynum cannabinum

dogbane

2

Asclepias sullivantii

prairie milkweed

2

Asclepias syriaca

common milkweed

1

Aster ericoides

heath aster

4

Aster novae-angliae

New England aster

4

Aster praealtus

willow-leaved aster

2

Bromus inermis

smooth brome grass

3

Cirsium discolor

field thistle

1

Coreopsis tripteris

tall coreopsis

2

Desmanthus illinoensis

Illinois bundleflower

1

Elymus canadensis

Canada wild rye

3

Equisetum laevigatum

smooth scouring rush

3

Eupatorium altissimum

tall boneset

2

Festuca pratensis

meadow fescue

3

Fraxinus americana

white ash

2

Helianthus grosseserratus

tall sunflower

2

Helianthus mollis

hairy sunflower

1

Helianthus rigidus

prairie sunflower

1

Lactuca canadensis

Canada lettuce

1

Lespedeza capitata

bush clover

2

Melilotus alba

white sweet clover

3

Monarda fistulosa

wild bergamot

1

<i>Muhlenbergia mexicana</i>	leafy satin grass	2
<i>Pastinaca sativa</i>	wild parsnip	3
<i>Phalaris arundinacea</i>	reed canary grass	3
<i>Ratibida pinnata</i>	drooping coneflower	2
<i>Rubus allegheniensis</i>	common blackberry	1
<i>Silphium laciniatum</i>	compass plant	4
<i>Silphium terebinthinaceum</i>	prairie dock	1
<i>Solidago canadensis</i>	Canada goldenrod	3

Plant List for Site N#11

Scientific Name	Common Name	RAV
<i>Solidago rigida</i>	rigid goldenrod	5
<i>Sorghastrum nutans</i>	Indian grass	2
<i>Spartina pectinata</i>	prairie cord grass	5
<i>Sporobolus asper</i>	drop seed	2
<i>Tridens flavus</i>	false red top	1
<i>Vernonia missurica</i>	Missouri ironweed	1

Site: District 6

N# 12

Date: 10/30/02

Evaluator(s): William C. Handel

Location: IL 54 west of Mount Pulaski to Lake Fork

County: Logan

GPS Data: Starting UTM 16S 0301524 - 4428644

GPS Data Ending UTM 16S 0299601 - 4432645

Quality Class: 2

Natural Community Type(s): Mesic prairie

(Quality Classes: 1=Grades A or B, 2 = C, 3=D)

Threats: exotics

Scientific Name

Common Name

Bromus inermis

smooth brome grass

Festuca pratensis

meadow fescue

Pastinaca sativa

wild parsnip

Prairie Width: 25 m

Signs or Evidence of Management: No

Dist. from Pavement: 3 m **Railroad Activity:** Active

Prairie Length: 4.9 miles

Prairie present on opposite side of track: No

Significant or Exceptional Features: None

Comments: Although this remnant has low diversity, the disturbance is also low and the density of most native grasses and forbs is relatively high.

Plant List for Site N#12

Scientific Name	Common Name	RAV
<i>Andropogon gerardii</i>	big bluestem	5
<i>Asclepias incarnata</i>	swamp milkweed	4
<i>Asclepias sullivantii</i>	prairie milkweed	2
<i>Asclepias syriaca</i>	common milkweed	1
<i>Aster novae-angliae</i>	New England aster	2
<i>Aster pilosus</i>	hairy aster	1
<i>Aster praealtus</i>	willow-leaved aster	2
<i>Bromus inermis</i>	smooth brome grass	3
<i>Cornus racemosa</i>	gray dogwood	2
<i>Elymus canadensis</i>	Canada wild rye	3
<i>Elymus virginicus</i>	wild rye	2
<i>Eupatorium altissimum</i>	tall boneset	1
<i>Euphorbia corollata</i>	flowering spurge	1
<i>Festuca pratensis</i>	meadow fescue	3
<i>Lactuca canadensis</i>	Canada lettuce	1
<i>Pastinaca sativa</i>	wild parsnip	3
<i>Rubus allegheniensis</i>	common blackberry	2
<i>Salix exigua</i>	sandbar willow	3
<i>Scirpus atrovirens</i>	dark green rush	3
<i>Silphium perfoliatum</i>	cup plant	4
<i>Silphium terebinthinaceum</i>	prairie dock	4
<i>Solidago canadensis</i>	Canada goldenrod	2
<i>Sorghastrum nutans</i>	Indian grass	1
<i>Spartina pectinata</i>	prairie cord grass	3
<i>Vernonia fasciculata</i>	common ironweed	5

Veronicastrum virginicum

Culver's root

1

Site: District 6

N# 13

Date: 11/18/02

Evaluator(s): William C. Handel

Location: IL 54 form the Logan/Sangamon County Line west to Buffalo Hart

County: Sangamon

GPS Data: Starting UTM 16S 0294127 - 4423086

GPS Data Ending UTM 16S 0284627 - 4416872

Quality Class: 3

Natural Community Type(s): Dry-mesic prairie

(Quality Classes: 1=Grades A or B, 2 = C, 3=D)

Threats: exotics, woody invasion

Scientific Name

Common Name

Bromus inermis

smooth brome grass

Elaeagnus umbellata

autumn olive

Festuca pratensis

meadow fescue

Pastinaca sativa

wild parsnip

Prairie Width: 30 m

Signs or Evidence of Management: No

Dist. from Pavement: 4 m **Railroad Activity:** Active

Prairie Length: 2.5 miles

Prairie present on opposite side of track: No

Significant or Exceptional Features: None

Comments: None

Plant List for Site N#13

Scientific Name

Common Name

RAV

Andropogon gerardii

big bluestem

2

Aster pilosus

hairy aster

2

Bromus inermis

smooth brome grass

4

Cirsium discolor

field thistle

1

Elaeagnus umbellata

autumn olive

3

Elymus canadensis

Canada wild rye

1

Eupatorium altissimum

tall boneset

1

Festuca pratensis

meadow fescue

3

Helianthus grosseserratus

tall sunflower

2

Lespedeza capitata

bush clover

1

Prunus americana

American plum

2

Quercus imbricaria

shingle oak

2

Robinia pseudoacacia

black locust

2

Rosa carolina

pasture rose

2

Sassafras albidum

red sassafras

3

Silphium laciniatum

compass plant

3

Silphium terebinthinaceum

prairie dock

2

Solidago canadensis

Canada goldenrod

3

Spartina pectinata

prairie cord grass

3

Sporobolus asper

drop seed

2

Tridens flavus

false red top

3

Vernonia missurica

Missouri ironweed

1

Veronicastrum virginicum

Culver's root

1

Site: District 6

N# 14

Date: 10/30/02

Evaluator(s): William C. Handel

Location: Old Route 36 to Buffalo

County: Sangamon

GPS Data: Starting UTM 16S 0285238 - 4414425

GPS Data Ending UTM 16S 0293342 - 4414191

Quality Class: 3

Natural Community Type(s): Mesic prairie

(Quality Classes: 1=Grades A or B, 2 = C, 3=D)

Threats: exotics

Scientific Name

Common Name

Festuca pratensis

meadow fescue

Prairie Width: 10 - 20 m

Signs or Evidence of Management: No

Dist. from Pavement: 3 m **Railroad Activity:** Active

Prairie Length: 5.1 miles

Prairie present on opposite side of track: No

Significant or Exceptional Features: None

Comments: None

Plant List for Site N#14

Scientific Name	Common Name	RAV
<i>Ambrosia trifida</i>	giant ragweed	1
<i>Andropogon gerardii</i>	big bluestem	5
<i>Asclepias sullivantii</i>	prairie milkweed	2
<i>Asclepias syriaca</i>	common milkweed	1
<i>Aster ericoides</i>	heath aster	1
<i>Aster novae-angliae</i>	New England aster	1
<i>Bromus inermis</i>	smooth brome grass	3
<i>Cirsium discolor</i>	field thistle	1
<i>Corylus americana</i>	hazelnut	1
<i>Elymus canadensis</i>	Canada wild rye	1
<i>Eupatorium altissimum</i>	tall boneset	1
<i>Euphorbia corollata</i>	flowering spurge	1
<i>Euthamia graminifolia</i>	grassleaf goldenrod	3
<i>Festuca pratensis</i>	meadow fescue	3
<i>Fragaria virginiana</i>	wild strawberry	1
<i>Helianthus grosseserratus</i>	tall sunflower	1
<i>Helianthus rigidus</i>	prairie sunflower	1
<i>Lespedeza capitata</i>	bush clover	1
<i>Monarda fistulosa</i>	wild bergamot	4
<i>Muhlenbergia mexicana</i>	leafy satin grass	1
<i>Panicum virgatum</i>	prairie switch grass	2
<i>Ratibida pinnata</i>	drooping coneflower	3
<i>Rubus allegheniensis</i>	common blackberry	2
<i>Silphium laciniatum</i>	compass plant	5
<i>Silphium terebinthinaceum</i>	prairie dock	1
<i>Solidago canadensis</i>	Canada goldenrod	2
<i>Solidago rigida</i>	rigid goldenrod	4
<i>Spartina pectinata</i>	prairie cord grass	5

<i>Tridens flavus</i>	false red top	1
<i>Vernonia fasciculata</i>	common ironweed	3
<i>Vernonia missurica</i>	Missouri ironweed	1
<i>Veronicastrum virginicum</i>	Culver's root	3

Site: District 6

N# 15

Date: 10/30/02

Evaluator(s): William C. Handel

Location: Old Route 36 (Lanesville to Illiopolis)

County: Sangamon

GPS Data: Starting UTM 16S 0294879 - 4414156

GPS Data Ending UTM 16S 0306838 - 4413777

Quality Class: 3

Natural Community Type(s): Mesic prairie

(Quality Classes: 1=Grades A or B, 2 = C, 3=D)

Threats: exotics, mowing

Scientific Name

Common Name

Bromus inermis

smooth brome grass

Festuca pratensis

meadow fescue

Pastinaca sativa

wild parsnip

Prairie Width: 10 m

Signs or Evidence of Management: No

Dist. from Pavement: 2 m **Railroad Activity:** Active

Prairie Length: 7.4 miles

Prairie present on opposite side of track: No

Significant or Exceptional Features: None

Comments: Prairie occurs on both sides of the road from Lanesville Road to Illiopolis.

Plant List for Site N#15

Scientific Name	Common Name	RAV
<i>Andropogon gerardii</i>	big bluestem	2
<i>Asclepias syriaca</i>	common milkweed	1
<i>Aster ericoides</i>	heath aster	2
<i>Aster novae-angliae</i>	New England aster	1
<i>Baptisia lactea</i>	white wild indigo	1
<i>Bromus inermis</i>	smooth brome grass	4
<i>Cirsium discolor</i>	field thistle	1
<i>Elymus canadensis</i>	Canada wild rye	2
<i>Festuca pratensis</i>	meadow fescue	5
<i>Helianthus grosseserratus</i>	tall sunflower	2
<i>Lactuca canadensis</i>	Canada lettuce	1
<i>Monarda fistulosa</i>	wild bergamot	2
<i>Pastinaca sativa</i>	wild parsnip	3
<i>Prunus americana</i>	American plum	1
<i>Ratibida pinnata</i>	drooping coneflower	1
<i>Rubus allegheniensis</i>	common blackberry	2
<i>Silphium laciniatum</i>	compass plant	2
<i>Silphium perfoliatum</i>	cup plant	2
<i>Solidago canadensis</i>	Canada goldenrod	5
<i>Solidago missouriensis</i>	Missouri goldenrod	2
<i>Solidago rigida</i>	rigid goldenrod	2
<i>Spartina pectinata</i>	prairie cord grass	4
<i>Veronicastrum virginicum</i>	Culver's root	2

Site: District 6

N# 16

Date: 10/11/02

Evaluator(s): William C. Handel

Location: IL 29 Rochester to 9 E.

County: Sangamon

GPS Data: Starting UTM 16S 0285127 - 4401102

GPS Data Ending UTM 16S 0287487 - 4399264

Quality Class: 3

Natural Community Type(s): Dry-mesic prairie

(Quality Classes: 1=Grades A or B, 2 = C, 3=D)

Threats: exotics

Scientific Name

Common Name

Bromus inermis

smooth brome grass

Festuca pratensis

meadow fescue

Melilotus officinalis

sweet clover

Prairie Width: 30 m

Signs or Evidence of Management: No

Dist. from Pavement: 5 m **Railroad Activity:** Abandoned

Prairie Length: 2 miles

Prairie present on opposite side of track: Yes

Significant or Exceptional Features: None

Comments: The vegetation list was made during earlier field surveys (Handel 1997).

Plant List for Site N#16

Scientific Name

Common Name

RAV

Ambrosia trifida

giant ragweed

3

Amorpha fruticosa

false indigo

1

Andropogon gerardii

big bluestem

3

Apocynum sibiricum

Indian hemp

2

Asclepias sullivantii

Sullivan's Milkweed

2

Asclepias syriaca

common milkweed

3

Asclepias verticillata

whorled milkweed

3

Aster ericoides

heath aster

1

Bromus inermis

smooth brome grass

3

Carex bushii

sedge

2

Carex crisatella

sedge

2

Carex gravida

sedge

1

Carex sp.

sedge

2

Carex tribuloides

sedge

1

Cassia fasciculata

partridge-pea

3

Cirsium discolor

field thistle

3

Desmodium canadense

showy tick trefoil

2

Elymus canadensis

nodding wild rye

4

Equisetum hyemale

scouring rush

3

Eragrostis spectabilis

tumble-grass

3

Festuca pratensis

tall fescue

3

Fragaria virginiana

wild strawberry

4

Galium obtusum

northern bedstraw

1

Gaura biennis

butterfly-weed

2

Helianthus rigidus

prairie sunflower

3

Heliopsis helianthoides

false sunflower

3

Hypericum sphaerocarpum

prairie St. John's wort

2

<i>Lespedeza capitata</i>	bush lespedeza	3
<i>Lysimachia ciliata</i>	fringed loosestrife	2
<i>Melilotus officinalis</i>	yellow sweet clover	3
<i>Monarda fistulosa</i>	wild bergamot	3
<i>Muhlenbergia frondosa</i>	muhly grass	3
<i>Oneothesa biennis</i>	evening primrose	2
<i>Panicum virgatum</i>	switch grass	3

Plant List for Site N#16 cont.

Scientific Name	Common Name	RAV
<i>Panicum oligosanthos</i> var. <i>scribnerianum</i>	Scribner's panic grass	3
<i>Pastinaca sativa</i>	wild parsnip	3
<i>Penstemon digitalis</i>	foxglove beardtongue	2
<i>Prunus serotina</i>	black cherry	2
<i>Pycnanthemum virginianum</i>	Virginia mountain mint	3
<i>Ratibida pinnata</i>	yellow coneflower	2
<i>Rosa carolina</i>	meadow rose	3
<i>Rudbeckia subtomentosa</i>	fragrant coneflower	2
<i>Silphium laciniatum</i>	compass plant	3
<i>Silphium terebinthinaceum</i>	prairie dock	3
<i>Solidago canadensis</i>	tall goldenrod	2
<i>Sorghastrum nutans</i>	Indian grass	3
<i>Spartina pectinata</i>	prairie cordgrass	4
<i>Sporobolus asper</i>	tall drop seed	5
<i>Stachys tenuifolia</i>	slender leaf betony	1
<i>Tradescantia ohiensis</i>	Ohio spiderwort	3
<i>Tridens flavus</i>	purple top	4
<i>Ulmus americana</i>	American elm	3

Site: District 6

N# 17

Date: 10/11/02

Evaluator(s): William C. Handel

Location: IL 29 Extends from the town of Berry to the Sangamon/Christian County Line

County: Sangamon

GPS Data: Starting UTM 16S 0289234 - 4397903

GPS Data Ending UTM 16S 0292057 - 4395702

Quality Class: 2

Natural Community Type(s): Dry-mesic prairie

(Quality Classes: 1=Grades A or B, 2 = C, 3=D)

Threats: exotics

Scientific Name

Common Name

Festuca pratensis

meadow fescue

Melilotus alba

white sweet clover

Pastinaca sativa

wild parsnip

Prairie Width: 30 m

Signs or Evidence of Management: No

Dist. from Pavement: 5 m **Railroad Activity:** Abandoned

Prairie Length: 2.1 miles

Prairie present on opposite side of track: No

Significant or Exceptional Features: None

Comments: The vegetation list was made during earlier field surveys (Handel 1997).

Plant List for Site N#17

Scientific Name	Common Name	RAV
<i>Ambrosia trifida</i>	giant ragweed	3
<i>Andropogon gerardii</i>	big bluestem	4
<i>Asclepias sullivantii</i>	prairie milkweed	1
<i>Asclepias syriaca</i>	common milkweed	3
<i>Asclepias verticillata</i>	whorled milkweed	2
<i>Aster ericoides</i>	heath aster	2
<i>Baptisia lactea</i>	wild indigo	2
<i>Carex bushii</i>	sedge	2
<i>Carex</i> sp.	sedge	2
<i>Cassia fasciculata</i>	partridge-pea	4
<i>Cassia marilandica</i>	Maryland senna	1
<i>Cirsium discolor</i>	field thistle	2
<i>Coreopsis tripteris</i>	tickseed	3
<i>Desmodium illinoense</i>	Illinois tick trefoil	2
<i>Desmodium sessilifolium</i>	sessile-leaved tick trefoil	1
<i>Elymus canadensis</i>	nodding wild rye	3
<i>Eupatorium altissimum</i>	tall boneset	3
<i>Euphorbia corollata</i>	flowering spurge	4
<i>Festuca pratensis</i>	tall fescue	3
<i>Gaura biennis</i>	butterfly-weed	2
<i>Helianthus grosseserratus</i>	sawtooth sunflower	3
<i>Helianthus rigidus</i>	prairie sunflower	3
<i>Heliopsis helianthoides</i>	false sunflower	3
<i>Iris shrevei</i>	southern blue flag	1
<i>Lactuca canadensis</i>	wild lettuce	2
<i>Lespedeza capitata</i>	bush lespedeza	2

<i>Melilotus alba</i>	white sweet clover	2
<i>Monarda fistulosa</i>	wild bergamot	3
<i>Muhlenbergia frondosa</i>	muhly grass	3
<i>Oenothera biennis</i>	evening primrose	3
<i>Panicum virgatum</i>	switch grass	3
<i>Panicum lanuginosum</i>	panic grass	1
<i>Panicum oligosanthos</i> var. <i>scribnerianum</i>	Scribner's panic grass	2
<i>Pastinaca sativa</i>	wild parsnip	3

Plant List for Site N#17 cont.

Scientific Name	Common Name	RAV
<i>Physalis virginiana</i>	ground-cherry	2
<i>Ratibida pinnata</i>	yellow coneflower	2
<i>Rosa carolina</i>	meadow rose	2
<i>Rubus allegheniensis</i>	wild blackberry	3
<i>Rudbeckia subtomentosa</i>	fragrant coneflower	3
<i>Sassafras albidum</i>	sassafras	1
<i>Silphium laciniatum</i>	compass plant	3
<i>Silphium terebinthinaceum</i>	prairie dock	4
<i>Solidago canadensis</i>	tall goldenrod	5
<i>Solidago rigida</i>	stiff goldenrod	3
<i>Sorghastrum nutans</i>	Indian grass	3
<i>Spartina pectinata</i>	prairie cordgrass	4
<i>Sporobolus asper</i>	tall drop seed	4
<i>Stachys palustris</i>	woundwort	1
<i>Stachys tenuifolia</i>	slender leaf betony	1
<i>Teucrium canadense</i>	American germander	3
<i>Tradescantia ohiensis</i>	Ohio spiderwort	5
<i>Tridens flavus</i>	purple top	2
<i>Vernonia missurica</i>	Missouri ironweed	3

Site: District 6

N# 18

Date: 10/11/02

Evaluator(s): William C. Handel

Location: 100 m either side of 900 E. Rd.

County: Christian

GPS Data: Starting UTM 16S 0295972 - 4390824

GPS Data Ending UTM 16S 0297116 - 4389066

Quality Class: 3

Natural Community Type(s): Dry-mesic prairie

(Quality Classes: 1=Grades A or B, 2 = C, 3=D)

Threats: exotics, mowing

Scientific Name

Common Name

Festuca pratensis

meadow fescue

Melilotus alba

white sweet clover

Pastinaca sativa

wild parsnip

Prairie Width: 30 m

Signs or Evidence of Management: No

Dist. from Pavement: 5 m **Railroad Activity:** Abandoned

Prairie Length: 0.5 miles

Prairie present on opposite side of track: No

Significant or Exceptional Features: None

Comments: The vegetation list was made during earlier field surveys (Handel 1997).

Plant List for Site N#18

Scientific Name	Common Name	RAV
<i>Allium vineale</i>	field garlic	2
<i>Andropogon gerardii</i>	big bluestem	4
<i>Asclepias syriaca</i>	common milkweed	3
<i>Asclepias verticillata</i>	whorled milkweed	4
<i>Aster ericoides</i>	heath aster	1
<i>Aster pilosus</i>	hairy aster	3
<i>Aster praealtus</i>	willow aster	1
<i>Brickellia eupatorioides</i>	false boneset	3
<i>Carex bushii</i>	sedge	2
<i>Carex</i> sp.	sedge	3
<i>Carex tribuloides</i>	sedge	1
<i>Cirsium discolor</i>	field thistle	2
<i>Daucus carota</i>	wild carrot	3
<i>Desmodium canadense</i>	showy tick trefoil	2
<i>Desmodium illinoense</i>	Illinois tick trefoil	3
<i>Elymus canadensis</i>	nodding wild rye	4
<i>Elymus virginicus</i>	wild rye	3
<i>Eragrostis spectabilis</i>	tumble-grass	2
<i>Eupatorium altissimum</i>	tall boneset	3
<i>Euphorbia corollata</i>	flowering spurge	4
<i>Festuca pratensis</i>	fescue	3
<i>Gaura biennis</i>	butterfly-weed	2
<i>Helianthus grosseserratus</i>	sawtooth sunflower	2
<i>Helianthus rigidus</i>	prairie sunflower	3
<i>Heliopsis helianthoides</i>	false sunflower	3
<i>Helianthus mollis</i>	downy sunflower	2

<i>Lactuca canadensis</i>	wild lettuce	2
<i>Lespedeza capitata</i>	bush lespedeza	3
<i>Melilotus alba</i>	white sweet clover	2
<i>Melilotus officinalis</i>	yellow sweet clover	2
<i>Monarda fistulosa</i>	wild bergamot	2
<i>Muhlenbergia frondosa</i>	muhly grass	3
<i>Panicum virgatum</i>	switch grass	3
<i>Panicum oligosanthes</i> var. <i>scribnerianum</i>	Scribner's panic grass	2

Plant List for Site N#18 cont.

Scientific Name	Common Name	RAV
<i>Pastinaca sativa</i>	wild parsnip	3
<i>Physalis virginiana</i>	ground-cherry	1
<i>Rubus flagellaris</i>	dewberry	2
<i>Rudbeckia subtomentosa</i>	fragrant coneflower	3
<i>Salix exigua</i>	sandbar willow	2
<i>Silphium laciniatum</i>	compass plant	3
<i>Silphium terebinthinaceum</i>	prairie dock	4
<i>Solidago canadensis</i>	tall goldenrod	4
<i>Solidago rigida</i>	stiff goldenrod	3
<i>Spartina pectinata</i>	prairie cordgrass	4
<i>Sporobolus asper</i>	tall drop seed	5
<i>Tradescantia ohiensis</i>	Ohio spiderwort	3
<i>Tridens flavus</i>	purple top	4
<i>Verbascum thapsus</i>	woolly mullein	4
<i>Vernonia missurica</i>	Missouri ironweed	3

Site: District 6

N# 19

Date: 10/11/02

Evaluator(s): William C. Handel

Location: IL 29 south of Taylorville (Assumption Rd to Lake Bertinetti)

County: Christian

GPS Data: Starting UTM 16S 0308105 - 4376325

GPS Data Ending UTM 16S 0306147 - 4378671

Quality Class: 1

Natural Community Type(s): Dry-mesic savanna

(Quality Classes: 1=Grades A or B, 2 = C, 3=D)

Threats: exotics, mowing

Scientific Name

Common Name

Festuca pratensis

tall fescue

Melilotus spp.

sweet clovers

Pastinaca sativa

wild parsnip

Phalaris arundinacea

reed canary grass

Prairie Width: 15 - 20 m

Signs or Evidence of Management: No

Dist. from Pavement: 3 m **Railroad Activity:** Abandoned

Prairie Length: 1.1 miles

Prairie present on opposite side of track: No

Significant or Exceptional Features: This remnant has high species diversity. *Liatris scariosa* var. *nieuwlandii* (savanna blazing star), a state threatened plant occurs at this site

Comments: Most of the wetland species on this list are from a small wetland in the center of the remnant. The vegetation list was compiled during earlier field surveys (Handel 1997).

Plant List for Site N#19

Scientific Name	Common Name	RAV
<i>Agrimonia parviflora</i>	swamp agrimony	1
<i>Agrostis alba</i>	red top	3
<i>Amorpha fruticosa</i>	False Indigo	1
<i>Andropogon gerardii</i>	big bluestem	3
<i>Anemone virginiana</i>	tall anemone	2
<i>Apios americana</i>	groundnut	1
<i>Apocynum cannabinum</i>	Indian-hemp	2
<i>Asclepias incarnata</i>	swamp milkweed	1
<i>Asclepias purpurascens</i>	purple milkweed	2
<i>Asclepias syriaca</i>	common milkweed	3
<i>Asclepias tuberosa</i>	butterfly weed	1
<i>Aster ericoides</i>	heath aster	2
<i>Aster lateriflorus</i>	calico aster	2
<i>Aster novae-angliae</i>	New England aster	2
<i>Aster praealtus</i>	willow aster	1
<i>Aster turbinellus</i>	prairie aster	1
<i>Baptisia lactea</i>	wild indigo	2
<i>Betula nigra</i>	river birch	1
<i>Bidens cernua</i>	nodding bur-marigold	1
<i>Bidens comosa</i>	swamp tickseed	1
<i>Bidens frondosa</i>	beggar's ticks	1
<i>Boehmeria cylindrica</i>	false nettle	1
<i>Calamagrostis canadensis</i>	bluejoint grass	2

<i>Campanula americana</i>	tall bellflower	3
<i>Carex annectens</i>	sedge	2
<i>Carex bushii</i>	sedge	2
<i>Carex hyalinolepis</i>	sedge	1
<i>Carex lanuginosa</i>	sedge	3
<i>Carex lupulina</i>	hop sedge	2
<i>Carex</i> sp.	sedge	2

Plant List for Site N#19 cont.

Scientific Name	Common Name	RAV
<i>Carex squarrosa</i>	sedge	2
<i>Carex tribulodites</i>	sedge	2
<i>Carya ovata</i>	shagbark hickory	3
<i>Carya tomentosa</i>	mockernut hickory	3
<i>Cassia fasciculata</i>	partridge-pea	3
<i>Ceanothus americanus</i>	New Jersey tea	2
<i>Celastrus scandens</i>	bittersweet	1
<i>Cephalanthus occidentalis</i>	buttonbush	2
<i>Chasmanthium latifolium</i>	river oats	2
<i>Cicuta maculata</i>	water hemlock	1
<i>Cinna arundinacea</i>	stout wood reed	2
<i>Coreopsis palmata</i>	prairie coreopsis	2
<i>Coreopsis tripteris</i>	tall coreopsis	4
<i>Cornus drummondii</i>	gray dogwood	3
<i>Corylus americana</i>	American hazelnut	4
<i>Crataegus crus-galli</i>	cock-spur thorn	2
<i>Daucus carota</i>	wild carrot	2
<i>Desmodium canadense</i>	showy tick trefoil	2
<i>Desmodium cuspidatum</i>	begger's tick	2
<i>Desmodium marilandicum</i>	tick trefoil	1
<i>Dianthus armeria</i>	deptford pink	1
<i>Dioscorea villosa</i>	wild yam	2
<i>Diospyros virginiana</i>	persimmon	2
<i>Elymus canadensis</i>	nodding wild rye	2
<i>Elymus villosus</i>	hairy wild rye	2
<i>Elymus virginicus</i>	Virginia wild rye	3
<i>Eryngium yuccifolium</i>	rattlesnake master	1
<i>Eupatorium altissimum</i>	tall boneset	3
<i>Eupatorium serotinum</i>	late boneset	2
<i>Euphorbia corollata</i>	flowering spurge	3
<i>Euthamia graminifolia</i>	grassleaf goldenrod	3
<i>Euthamia gymnospermoides</i>	grassleaf goldenrod	1
<i>Festuca pratensis</i>	tall fescue	3
<i>Gentiana andrewsii</i>	bottle gentian	2
<i>Geranium maculatum</i>	wild geranium	3
<i>Geum canadense</i>	white avens	2
<i>Geum laciniatum</i>	rough avens	2
<i>Glyceria striata</i>	fowl manna grass	2
<i>Helenium autumnale</i>	sneezeweed	2
<i>Helianthus grosseserratus</i>	sawtooth sunflower	2
<i>Helianthus mollis</i>	downy sunflower	2
<i>Helianthus strumosus</i>	woodland sunflower	3
<i>Heliopsis helianthoides</i>	false sunflower	2
<i>Hypericum sphaerocarpum</i>	prairie St. John's wort	2
<i>Impatiens capensis</i>	orange jewelweed	1

<i>Iris shrevei</i>	southern blue flag	1
<i>Juncus interior</i>	rush	1
<i>Juncus torreyi</i>	rush	1
<i>Lactuca canadensis</i>	wild lettuce	2
<i>Leersia oryzoides</i>	rice cutgrass	1
<i>Lespedeza capitata</i>	bush lespedeza	2
<i>Lespedeza cuneata</i>	chinese bush clover	1
<i>Liatris pycnostachya</i>	gay blazing star	3
<i>Liatris scariosa</i> var. <i>nieuwlandii</i> (State threatened)	blazing-star	1
<i>Lobelia siphilitica</i>	great blue lobelia	2
<i>Ludwigia peploides</i>	creeping water primrose	1
<i>Lycopus americanus</i>	bugleweed	1
<i>Melilotus alba</i>	white sweet clover	2
<i>Melilotus officinalis</i>	yellow sweet clover	2
<i>Mimulus alatus</i>	monkey flower	1
<i>Mirabilis nyctaginea</i>	wild four-o'clock	1
Plant List for Site N#19 cont.		
Scientific Name	Common Name	RAV
<i>Monarda fistulosa</i>	wild bergamot	2
<i>Morus alba</i>	white mulberry	2
<i>Nothoscordum bivalve</i>	false garlic	1
<i>Panicum clandestinum</i>	broad-leaved panic grass	2
<i>Penstemon digitalis</i>	foxglove beardtongue	2
<i>Penthorum sedoides</i>	ditch stonecrop	1
<i>Phalaris arundinacea</i>	reed canary grass	2
<i>Phlox pilosa</i>	downy phlox	1
<i>Phryma leptostachya</i>	lopseed	2
<i>Phytolacca americana</i>	pokeweed	1
<i>Pilea pumila</i>	clearweed	1
<i>Polygonum amphibium</i>	water smartweed	1
<i>Polygonum pensylvanicum</i>	smooth smartweed	1
<i>Polygonum punctatum</i>	dotted smartweed	1
<i>Populus deltoides</i>	cottonwood	2
<i>Potentilla simplex</i>	common cinquefoil	3
<i>Prenathes aspera</i>	rough white lettuce	2
<i>Prunus americana</i>	wild plum	2
<i>Prunus serotina</i>	black cherry	2
<i>Pycnanthemum pilosum</i>	hairy mountain mint	2
<i>Pycnanthemum tenuifolium</i>	slender mountain mint	1
<i>Pycnanthemum virginianum</i>	Virginia mountain mint	2
<i>Quercus imbricaria</i>	shingle oak	4
<i>Quercus palustris</i>	pin oak	4
<i>Quercus rubra</i>	red oak	1
<i>Quercus velutina</i>	black oak	3
<i>Ranunculus septentrionalis</i>	swamp buttercup	1
<i>Ratibida pinnata</i>	yellow coneflower	3
<i>Rhus aromatica</i>	fragrant sumac	1
<i>Rhus glabra</i>	smooth sumac	2
<i>Ribes missouriense</i>	gooseberry	1
<i>Rorippa islandica</i>	yellow marsh cress	1
<i>Rosa carolina</i>	meadow rose	2
<i>Rosa multiflora</i>	multiflora rose	1
<i>Rubus allegheniensis</i>	wild blackberry	3
<i>Rubus occidentalis</i>	black raspberry	2
<i>Rudbeckia hirta</i>	black-eyed susan	2

<i>Rudbeckia subtomentosa</i>	black-eyed susan	3
<i>Ruellia humilis</i>	hairy petunia	2
<i>Ruellia strepens</i>	smooth ruellia	1
<i>Rumex altissimus</i>	pale dock	1
<i>Rumex crispus</i>	curly dock	1
<i>Salix amygdaloides</i>	peach-leaved willow	1
<i>Salix exigua</i>	sandbar willow	1
<i>Salix humilis</i>	prairie willow	3
<i>Salix nigra</i>	black willow	1
<i>Sambucus canadensis</i>	elderberry	2
<i>Sanicula gregaria</i>	common snakeroot	2
<i>Sassafras albidum</i>	sassafras	3
<i>Schizachyrium scoparium</i>	little bluestem	2
<i>Scirpus atrovirens</i>	bulrush	2
<i>Scirpus pendulus</i>	red bulrush	2
<i>Silphium integrifolium</i>	rosinweed	3
<i>Silphium laciniatum</i>	compass plant	3
<i>Silphium terebinthinaceum</i>	prairie dock	3
<i>Sisyrinchium angustifolium</i>	common blue-eyed grass	2
<i>Smilax lasioneuron</i>	carrion flower	3
<i>Soildago speciosa</i>	showy goldenrod	1
<i>Solanum dulcamara</i>	bittersweet nightshade	1
<i>Solidago canadensis</i>	tall goldenrod	2
<i>Solidago gigantea</i>	late goldenrod	2

Plant List for Site N#19 cont.

Scientific Name	Common Name	RAV
<i>Solidago juncea</i>	early goldenrod	2
<i>Solidago nemoralis</i>	dyersweed	3
<i>Solidago rigida</i>	stiff goldenrod	2
<i>Sorghastrum nutans</i>	Indian grass	4
<i>Spartina pectinata</i>	prairie cordgrass	2
<i>Stachys palustris</i>	marsh hedge nettle	2
<i>Teucrium canadense</i>	American germander	3
<i>Thalictrum dasycarpum</i>	tall meadow-rue	1
<i>Toxicodendron radicans</i>	poison ivy	3
<i>Tradescantia virginiana</i>	Virginia spiderwort	1
<i>Tridens flavus</i>	purple top	3
<i>Typha latifolia</i>	common cattail	1
<i>Verbena urticifolia</i>	white vervain	1
<i>Verbesina helianthoides</i>	yellow crownbeard	3
<i>Vernonia missurica</i>	Missouri ironweed	3
<i>Veronicastrum virginicum</i>	culver's root	3
<i>Vitis cinerea</i>	winter grape	1
<i>Vitis riparia</i>	riverbank grape	1

Site: District 6

N# 20

Date: 10/11/02

Evaluator(s): William C. Handel

Location: IL 29 Assumption Road to Owaneco

County: Christian

GPS Data: Starting UTM 16S 0308137 - 4376294

GPS Data Ending UTM 16S 0310989 - 4372944

Quality Class: 3

Natural Community Type(s): Dry-mesic prairie

(Quality Classes: 1=Grades A or B, 2 = C, 3=D)

Threats: exotics, mowing

Scientific Name

Common Name

Bromus inermis

smooth brome grass

Festuca pratensis

tall fescue

Melilotus alba

white sweet clover

Pastinaca sativa

wild parsnip

Prairie Width: 30 m

Signs or Evidence of Management: No

Dist. from Pavement: 5 m **Railroad Activity:** Abandoned

Prairie Length: 3 miles

Prairie present on opposite side of track: Yes

Significant or Exceptional Features: None

Comments: None

Plant List for Site N#20

Scientific Name

Common Name

RAV

Ambrosia trifida

giant ragweed

3

Andropogon gerardii

big bluestem

2

Asclepias syriaca

common milkweed

3

Aster ericoides

heath aster

1

Bromus inermis

smooth brome grass

4

Cassia fasciculata

partridge-pea

2

Cirsium discolor

field thistle

2

Elymus canadensis

Canada wild rye

3

Eupatorium altissimum

tall boneset

2

Euphorbia corollata

flowering spurge

2

Festuca pratensis

meadow fescue

3

Fragaria virginiana

wild strawberry

3

Gaura biennis

gaura

1

Helianthus grosseserratus

sawtooth sunflower

3

Lespedeza capitata

bush clover

1

Melilotus alba

white sweet clover

2

Muhlenbergia frondosa

muhly grass

3

Oneothesa biennis

evening primrose

3

Panicum virgatum

prairie switch grass

3

Panicum oligosanthos var. *scribnerianum*

Scribner's panic grass

2

Pastinaca sativa

wild parsnip

3

Pycnanthemum virginianum

mountain mint

3

Quercus imbricaria

shingle oak

2

Rhus glabra

smooth sumac

3

Rosa carolina

meadow rose

2

Rubus allegheniensis

wild blackberry

3

<i>Silphium laciniatum</i>	compass plant	4
<i>Silphium terebinthinaceum</i>	prairie dock	3
<i>Solidago canadensis</i>	Canada goldenrod	4
<i>Sorghastrum nutans</i>	Indian grass	4
<i>Spartina pectinata</i>	prairie cordgrass	4
<i>Teucrium canadense</i>	American germander	2
<i>Vernonia missurica</i>	Missouri ironweed	3
<i>Veronicastrum virginicum</i>	culver's root	2

Site: District 6

N# 21

Date: 10/11/02

Evaluator(s): William C. Handel

Location: IL 29 Owaneco to Millersville

County: Christian

GPS Data: Starting UTM 16S 0311610 - 4372211

GPS Data Ending UTM 16S 0314081 - 4369322

Quality Class: 3

Natural Community Type(s): Dry-mesic prairie

(Quality Classes: 1=Grades A or B, 2 = C, 3=D)

Threats: woody invasion, exotics, mowing

Scientific Name

Common Name

Bromus inermis

smooth brome grass

Dipsacus laciniatus

cut-leaved teasel

Festuca pratensis

tall fescue

Prairie Width: 15 m

Signs or Evidence of Management: No

Dist. from Pavement: 3 m **Railroad Activity:** Abandoned

Prairie Length: 2.35 miles **Prairie present on opposite side of track:** No

Significant or Exceptional Features: None

Comments: None

Plant List for Site N#21

Scientific Name	Common Name	RAV
<i>Andropogon gerardii</i>	big bluestem	1
<i>Asclepias syriaca</i>	common milkweed	1
<i>Aster praealtus</i>	willow-leaved aster	2
<i>Bromus inermis</i>	smooth brome grass	3
<i>Cassia fasciculata</i>	partridge pea	4
<i>Cirsium discolor</i>	field thistle	1
<i>Cornus racemosa</i>	gray dogwood	1
<i>Desmanthus illinoensis</i>	Illinois bundleflower	3
<i>Dipsacus laciniatus</i>	cut-leaved teasel	3
<i>Elymus canadensis</i>	Canada wild rye	4
<i>Euphorbia corollata</i>	flowering spurge	2
<i>Festuca pratensis</i>	meadow fescue	3
<i>Helianthus rigidus</i>	prairie sunflower	2
<i>Lespedeza capitata</i>	bush clover	2
<i>Prunus serotina</i>	wild black cherry	1
<i>Ratibida pinnata</i>	drooping coneflower	3
<i>Salix exigua</i>	sandbar willow	2
<i>Silphium laciniatum</i>	compass plant	3
<i>Silphium terebinthinaceum</i>	prairie dock	2
<i>Solidago canadensis</i>	Canada goldenrod	5
<i>Sorghastrum nutans</i>	Indian grass	3
<i>Sporobolus asper</i>	drop seed	2
<i>Tridens flavus</i>	false red top	1
<i>Ulmus americana</i>	American elm	3
<i>Veronicastrum virginicum</i>	Culver's root	1

Site: District 6

N# 22

Date: 10/11/02

Evaluator(s): William C. Handel

Location: IL 29, 0.4 miles form Millersville to Pana

County: Christian

GPS Data: Starting UTM 16S 0314767 - 4368507

GPS Data Ending UTM 16S 0319323 - 4363164

Quality Class: 2

Natural Community Type(s): Dry-mesic prairie

(Quality Classes: 1=Grades A or B, 2 = C, 3=D)

Threats: exotics, mowing

Scientific Name

Common Name

Bromus inermis

smooth brome grass

Festuca pratensis

tall fescue

Pastinaca sativa

wild parsnip

Prairie Width: 10 - 20 m

Signs or Evidence of Management: No

Dist. from Pavement: 3 m **Railroad Activity:** Abandoned

Prairie Length: 4.6 miles

Prairie present on opposite side of track: No

Significant or Exceptional Features: None

Comments: This prairie appeared to be more diverse several years ago. It now is mowed frequently.

Plant List for Site N#22

Scientific Name	Common Name	RAV
<i>Andropogon gerardii</i>	big bluestem	2
<i>Asclepias syriaca</i>	common milkweed	2
<i>Aster novae-angliae</i>	New England aster	2
<i>Bromus inermis</i>	smooth brome grass	3
<i>Cirsium discolor</i>	field thistle	1
<i>Conyza canadensis</i>	horseweed	2
<i>Cornus racemosa</i>	gray dogwood	3
<i>Dalea purpurea</i>	purple prairie clover	1
<i>Elymus canadensis</i>	Canada wild rye	4
<i>Eryngium yuccifolium</i>	rattlesnake master	3
<i>Festuca pratensis</i>	meadow fescue	3
<i>Gentiana puberulenta</i>	downy gentian	2
<i>Helianthus mollis</i>	hairy sunflower	2
<i>Pastinaca sativa</i>	wild parsnip	3
<i>Rhus glabra</i>	smooth sumac	1
<i>Rosa carolina</i>	pasture rose	1
<i>Rubus allegheniensis</i>	common blackberry	1
<i>Silphium integrifolium</i>	rosinweed	2
<i>Silphium laciniatum</i>	compass plant	2
<i>Silphium terebinthinaceum</i>	prairie dock	2
<i>Solidago canadensis</i>	Canada goldenrod	4
<i>Solidago missouriensis</i>	Missouri goldenrod	3
<i>Solidago rigida</i>	rigid goldenrod	2
<i>Sorghastrum nutans</i>	Indian grass	4
<i>Sporobolus asper</i>	drop seed	1

Site: District 6

N# 23

Date: 10/11/02

Evaluator(s): William C. Handel

Location: Anderson Prairie south of the city of Pana

County: Christian

GPS Data: Starting UTM 16S 0319929 - 4359529

GPS Data Ending UTM 16S 0320787 - 4361071

Quality Class: 1

Natural Community Type(s): Dry-mesic prairie

(Quality Classes: 1=Grades A or B, 2 = C, 3=D)

Threats: exotics, woody invasion

Scientific Name

Common Name

Bromus inermis

smooth brome grass

Lespedeza cuneata

Chinese bush clover

Robinia pseudoacacia

black locust

Prairie Width: 30 - 50 m

Signs or Evidence of Management: Yes

Anderson Prairie Nature Preserve

Dist. from Pavement: 1 m **Railroad Activity:** Abandoned

Prairie Length: 1.1 miles

Prairie present on opposite side of track: No

Significant or Exceptional Features: This remnant has high diversity and density of forbs.

Comments: This site is an Illinois Nature Preserve.

Plant List for Site N#23

Scientific Name	Common Name	RAV
<i>Amorpha canescens</i>	lead plant	2
<i>Amorpha fruticosa</i>	false indigo bush	1
<i>Andropogon gerardii</i>	big bluestem	4
<i>Asclepias hirtella</i>	tall green milkweed	1
<i>Asclepias incarnata</i>	swamp milkweed	1
<i>Asclepias syriaca</i>	common milkweed	1
<i>Asclepias tuberosa</i>	butterflyweed	1
<i>Aster ericoides</i>	heath aster	2
<i>Aster novae-angliae</i>	New England aster	1
<i>Aster praealtus</i>	willow-leaved aster	1
<i>Baptisia lactea</i>	white wild indigo	2
<i>Baptisia leucophaea</i>	cream wild indigo	1
<i>Brickellia eupatorioides</i>	false boneset	1
<i>Bromus inermis</i>	smooth brome grass	2
<i>Ceanothus americanus</i>	New Jersey tea	2
<i>Cirsium discolor</i>	field thistle	2
<i>Coreopsis palmata</i>	prairie coreopsis	2
<i>Coreopsis tripteris</i>	tall coreopsis	2
<i>Cornus racemosa</i>	gray dogwood	2
<i>Corylus americana</i>	hazelnut	2
<i>Dalea candida</i>	white prairie clover	2
<i>Dalea purpurea</i>	purple prairie clover	2
<i>Elymus canadensis</i>	Canada wild rye	2
<i>Eryngium yuccifolium</i>	rattlesnake master	2
<i>Eupatorium altissimum</i>	tall boneset	1
<i>Euphorbia corollata</i>	flowering spurge	3

<i>Euthamia graminifolia</i>	grassleaf goldenrod	2
<i>Gentiana puberulenta</i>	downy gentian	1
<i>Helianthus mollis</i>	hairy sunflower	3
<i>Helianthus strumosus</i>	pale-leaved sunflower	2
<i>Lespedeza cuneata</i>	Chinese bush clover	3
<i>Monarda fistulosa</i>	wild bergamot	3
<i>Parthenium integrifolium</i>	American feverfew	3
<i>Pycnanthemum tenuifolium</i>	slender mountain mint	1

Plant List for Site N#23 cont.

Scientific Name	Common Name	RAV
<i>Quercus imbricaria</i>	shingle oak	2
<i>Ratibida pinnata</i>	drooping coneflower	2
<i>Robinia pseudoacacia</i>	black locust	2
<i>Rosa carolina</i>	pasture rose	1
<i>Rudbeckia hirta</i>	black-eyed susan	3
<i>Salix humilis</i>	prairie willow	1
<i>Silphium laciniatum</i>	compass plant	5
<i>Silphium terebinthinaceum</i>	prairie dock	2
<i>Solidago canadensis</i>	Canada goldenrod	4
<i>Solidago missouriensis</i>	Missouri goldenrod	2
<i>Solidago nemoralis</i>	dyersweed goldenrod	2
<i>Solidago rigida</i>	rigid goldenrod	2
<i>Sorghastrum nutans</i>	Indian grass	3
<i>Spartina pectinata</i>	prairie cord grass	2
<i>Sporobolus asper</i>	drop seed	2
<i>Veronicastrum virginicum</i>	Culver's root	1

Site: District 6

N# 24

Date: 10/11/02

Evaluator(s): William C. Handel

Location: IL 16, 23rd Avenue west of Ohlman to Coalton

County: Montgomery

GPS Data: Starting UTM 16S 0307269 - 4356226

GPS Data Ending UTM 16S 0303741 - 4353368

Quality Class: 3

Natural Community Type(s): Mesic prairie

(Quality Classes: 1=Grades A or B, 2 = C, 3=D)

Threats: exotics, woody invasion

Scientific Name

Common Name

Bromus inermis

smooth brome grass

Pastinaca sativa

wild parsnip

Phalaris arundinacea

reed canary grass

Robinia pseudoacacia

black locust

Prairie Width: 20 m

Signs or Evidence of Management: No

Dist. from Pavement: 5 m **Railroad Activity:** Active

Prairie Length: 2.3 miles

Prairie present on opposite side of track: Yes

Significant or Exceptional Features: None

Comments: The area may have been scraped.

Plant List for Site N#24

Scientific Name

Common Name

RAV

Ambrosia artemisiifolia

ragweed

4

Amorpha fruticosa

false indigo bush

2

Andropogon gerardii

big bluestem

4

Asclepias sullivantii

prairie milkweed

1

Asclepias syriaca

common milkweed

2

Bromus inermis

smooth brome grass

3

Cassia fasciculata

partridge pea

2

Cirsium discolor

field thistle

2

Elymus canadensis

Canada wild rye

2

Festuca pratensis

meadow fescue

3

Helianthus grosseserratus

tall sunflower

2

Panicum virgatum

prairie switch grass

3

Phalaris arundinacea

reed canary grass

3

Salix exigua

sandbar willow

2

Silphium laciniatum

compass plant

3

Silphium terebinthinaceum

prairie dock

3

Solidago canadensis

Canada goldenrod

2

Solidago rigida

rigid goldenrod

2

Sorghastrum nutans

Indian grass

2

Spartina pectinata

prairie cord grass

4

Vernonia missurica

Missouri ironweed

2

Site: District 6

N# 25

Date: 10/11/02

Evaluator(s): William C. Handel

Location: IL 16 Gillespie to Litchfield

County: Montgomery

GPS Data: Starting UTM 16S 0257502 - 4335555

GPS Data Ending UTM 16S 0267214 - 4339700

Quality Class: 2

Natural Community Type(s): Dry-mesic prairie

(Quality Classes: 1=Grades A or B, 2 = C, 3=D)

Threats: exotics, woody invasion

Scientific Name

Common Name

Melilotus spp.

sweet clovers

Phalaris arundinacea

reed canary grass

Prairie Width: 35 m

Signs or Evidence of Management: Yes

Illinois Nature Preserve Gillespie Railroad Prairie

Dist. from Pavement: 5 m **Railroad Activity:** Abandoned

Prairie Length: 6.9 miles

Prairie present on opposite side of track: No

Significant or Exceptional Features: None

Comments: Management signs were posted the entire length of the remnant, however it appears that active management is confined to a mile section in the center of the remnant.

Plant List for Site N#25

Scientific Name	Common Name	RAV
<i>Acer saccharinum</i>	silver maple	2
<i>Andropogon gerardii</i>	big bluestem	5
<i>Apocynum cannabinum</i>	dogbane	3
<i>Apocynum sibiricum</i>	Indian hemp	1
<i>Asclepias syriaca</i>	common milkweed	2
<i>Aster novae-angliae</i>	New England aster	1
<i>Aster pilosus</i>	hairy aster	1
<i>Aster praealtus</i>	willow-leaved aster	2
<i>Cephalanthus occidentalis</i>	buttonbush	1
<i>Cornus racemosa</i>	gray dogwood	4
<i>Elymus canadensis</i>	Canada wild rye	2
<i>Eryngium yuccifolium</i>	rattlesnake master	1
<i>Eupatorium altissimum</i>	tall boneset	1
<i>Helianthus grosseserratus</i>	tall sunflower	1
<i>Lactuca canadensis</i>	Canada lettuce	2
<i>Melilotus</i> spp.	sweet clover	3
<i>Phalaris arundinacea</i>	reed canary grass	3
<i>Rhus glabra</i>	smooth sumac	2
<i>Rubus allegheniensis</i>	common blackberry	3
<i>Salix exigua</i>	sandbar willow	3
<i>Schizachyrium scoparium</i>	little bluestem	2
<i>Silphium laciniatum</i>	compass plant	1
<i>Silphium terebinthinaceum</i>	prairie dock	1
<i>Solidago canadensis</i>	Canada goldenrod	4
<i>Solidago nemoralis</i>	dyersweed goldenrod	2

<i>Sorghastrum nutans</i>	Indian grass	2
<i>Spartina pectinata</i>	prairie cord grass	1
<i>Tridens flavus</i>	false red top	2
<i>Vernonia missurica</i>	Missouri ironweed	2

Site: District 6

N# 26

Date: 10/11/02

Evaluator(s): William C. Handel

Location: Brighton along Bunker Hill Road

County: Macoupin

GPS Data: UTM 15S 0748306 - 4326073

Quality Class: 3

Natural Community Type(s): Dry-mesic prairie

(Quality Classes: 1=Grades A or B, 2 = C, 3=D)

Threats: exotics, woody invasion, mowing

Scientific Name

Common Name

Maclura pomifera

Osage orange

Prairie Width: 30 m

Signs or Evidence of Management: No

Dist. from Pavement: 2 m **Railroad Activity:** Active

Prairie Length: 0.3 miles

Prairie present on opposite side of track: No

Significant or Exceptional Features: None

Comments: Most of the remnant has been mowed.

Plant List for Site N#26

Scientific Name

Common Name

RAV

Cirsium discolor

field thistle

3

Cornus racemosa

gray dogwood

3

Maclura pomifera

Osage orange

2

Monarda fistulosa

wild bergamot

2

Rhus glabra

smooth sumac

3

Solidago canadensis

Canada goldenrod

3

Sorghastrum nutans

Indian grass

3

Tridens flavus

false red top

2

Site: District 6

N# 27

Date: 10/15/02

Evaluator(s): William C. Handel

Location: Shipman Road

County: Montgomery

GPS Data: Starting UTM 15S 0755885 - 4334636

GPS Data Ending UTM 16S 0241260 - 4338510

Quality Class: 1-2

Natural Community Type(s): Dry-mesic prairie/savanna

(Quality Classes: 1=Grades A or B, 2 = C, 3=D)

Threats: exotics, woody invasion, mowing

Scientific Name

Common Name

Festuca pratensis

meadow fescue

Lonicera japonica

Japanese honeysuckle

Phalaris arundinacea

reed canary grass

Robinia pseudoacacia

black locust

Prairie Width: 25 m

Signs or Evidence of Management: No

Dist. from Pavement: 3 m **Railroad Activity:** Active

Prairie Length: 3.7 miles

Prairie present on opposite side of track: No

Significant or Exceptional Features: High forb diversity

Comments: Most of this remnant was mowed during the time of the survey. The species list was gathered from areas under the canopy where the mowers could not reach. If the area had not been severely mowed the species list would have been more extensive.

Plant List for Site N#27

Scientific Name	Common Name	RAV
<i>Andropogon gerardii</i>	big bluestem	2
<i>Anemone virginiana</i>	tall anemone	2
<i>Asclepias syriaca</i>	common milkweed	2
<i>Asclepias tuberosa</i>	butterflyweed	2
<i>Aster ericoides</i>	heath aster	2
<i>Aster novae-angliae</i>	New England aster	2
<i>Aster pilosus</i>	hairy aster	4
<i>Aster turbinellus</i>	prairie aster	3
<i>Bromus purgans</i>	brome grass	1
<i>Carya tomentosa</i>	mockernut hickory	2
<i>Ceanothus americanus</i>	New Jersey tea	1
<i>Cirsium discolor</i>	field thistle	3
<i>Coreopsis palmata</i>	prairie coreopsis	3
<i>Coreopsis tripteris</i>	tall coreopsis	3
<i>Cornus racemosa</i>	gray dogwood	4
<i>Corylus americana</i>	hazelnut	2
<i>Dasistoma macrophylla</i>	mullein foxglove	1
<i>Elymus canadensis</i>	Canada wild rye	3
<i>Elymus hystrix</i>	bottlebrush grass	2
<i>Elymus villosa</i>	wild rye	3
<i>Eryngium yuccifolium</i>	rattlesnake master	3
<i>Eupatorium altissimum</i>	tall boneset	3
<i>Euphorbia corollata</i>	flowering spurge	2

<i>Festuca pratensis</i>	meadow fescue	3
<i>Gentiana puberulenta</i>	downy gentian	2
<i>Helianthus grosseserratus</i>	tall sunflower	2
<i>Helianthus mollis</i>	hairy sunflower	3
<i>Helianthus rigidus</i>	prairie sunflower	3
<i>Helianthus strumosus</i>	pale-leaved sunflower	2
<i>Lespedeza capitata</i>	bush clover	3
<i>Liatris aspera</i>	rough blazing star	2

Plant List for Site N#27 cont.

Scientific Name	Common Name	RAV
<i>Lonicera japonica</i>	Japanese honeysuckle	3
<i>Monarda bradburiana</i>	bee balm	2
<i>Monarda fistulosa</i>	wild bergamot	3
<i>Penstemon digitalis</i>	foxglove beard-tongue	3
<i>Phalaris arundinacea</i>	reed canary grass	4
<i>Prunus serotina</i>	wild black cherry	1
<i>Pycnanthemum tenuifolium</i>	slender mountain mint	2
<i>Quercus alba</i>	white oak	2
<i>Quercus imbricaria</i>	shingle oak	1
<i>Ratibida pinnata</i>	drooping coneflower	3
<i>Rhus glabra</i>	smooth sumac	3
<i>Robinia pseudoacacia</i>	black locust	3
<i>Rosa carolina</i>	pasture rose	2
<i>Rudbeckia hirta</i>	black-eyed susan	2
<i>Rudbeckia subtomentosa</i>	fragrant coneflower	2
<i>Ruellia humilis</i>	hairy ruellia	3
<i>Salix humilis</i>	prairie willow	1
<i>Sassafras albidum</i>	red sassafras	4
<i>Schizachyrium scoparium</i>	little bluestem	2
<i>Silphium integrifolium</i>	rosinweed	2
<i>Silphium laciniatum</i>	compass plant	1
<i>Silphium terebinthinaceum</i>	prairie dock	2
<i>Solidago nemoralis</i>	dyersweed goldenrod	2
<i>Solidago rigida</i>	rigid goldenrod	2
<i>Solidago speciosa</i>	showy goldenrod	3
<i>Solidago ulmifolia</i>	elm-leaved goldenrod	3
<i>Sorghastrum nutans</i>	Indian grass	4
<i>Sporobolus heterolepis</i>	northern drop seed	2
<i>Verbesina helianthoides</i>	yellow crownbeard	3
<i>Vernonia missurica</i>	Missouri ironweed	2
<i>Veronicastrum virginicum</i>	Culver's root	2

Site: District 6

N# 28

Date: 10/15/02

Evaluator(s): William C. Handel

Location: Shipman Road, Carlinville to Denby Prairie

County: Macoupin

GPS Data: Starting UTM 15S 0755885 - 4334636

GPS Data Ending UTM 16S 0241260 - 4338510

Quality Class: 1-2

Natural Community Type(s): Dry-mesic prairie/savanna

(Quality Classes: 1=Grades A or B, 2 = C, 3=D)

Threats: exotics, woody invasion, mowing

Scientific Name

Common Name

Festuca pratensis

meadow fescue

Lonicera maackii

amur honeysuckle

Melilotus alba

white sweet clover

Pastinaca sativa

wild parsnip

Robinia pseudoacacia

black locust

Prairie Width: 15 - 80 m

Signs or Evidence of Management: Yes

Denby Prairie Illinois Nature Preserve

Prairie Restoration Project Carlinville

Dist. from Pavement: 3 m **Railroad Activity:** Active

Prairie Length: 3.1 miles

Prairie present on opposite side of track: Yes

Significant or Exceptional Features: High forb diversity. The highest quality occurs at Denby Prairie.

Comments: This remnant has one state threatened species (see below). Some of the species list is from an earlier IDOT project (Edwards and Taft 2001). The prairie is lower quality near the town of Carlinville.

Plant List for Site N#28

Scientific Name	Common Name	RAV
<i>Acer negundo</i>	boxelder	2
<i>Acer saccharinum</i>	silver maple	1
<i>Allium canadense</i>	wild garlic	2
<i>Ambrosia trifida</i>	giant ragweed	1
<i>Andropogon gerardii</i>	big bluestem	5
<i>Anemone virginiana</i>	tall anemone	2
<i>Apocynum sibiricum</i>	Indian hemp	1
<i>Asclepias incarnata</i>	swamp milkweed	1
<i>Asclepias syriaca</i>	common milkweed	2
<i>Aster ericoides</i>	heath aster	4
<i>Aster novae-angliae</i>	New England aster	3
<i>Aster pilosus</i>	hairy aster	2
<i>Aster praealtus</i>	willow-leaved aster	2
<i>Calystegia sepium</i>	American bindweed	2
<i>Campsis radicans</i>	trumpet creeper	2
<i>Carex cristatella</i>	sedge	2
<i>Carex gravida</i>	sedge	2
<i>Carex lacustris</i>	sedge	2
<i>Carex lanuginosa</i>	wooly sedge	3

<i>Carex meadii</i>	Mead's sedge	2
<i>Carex shortiana</i>	Short's sedge	1
<i>Carex. bicknellii</i>	Bicknell's sedge	2
<i>Carya ovata</i>	shagbark hickory	2
<i>Cassia fasciculata</i>	golden cassia	1
<i>Ceanothus americanus</i>	New Jersey tea	1
<i>Cephalanthus occidentalis</i>	buttonbush	1
<i>Cicuta maculata</i>	water hemlock	2

Plant List for Site N#28 cont.

Scientific Name	Common Name	RAV
<i>Cirsium discolor</i>	field thistle	2
<i>Coreopsis tripteris</i>	tall coreopsis	4
<i>Cornus racemosa</i>	gray dogwood	2
<i>Corylus americana</i>	hazelnut	2
<i>Desmanthus illinoensis</i>	Illinois bundle flower	2
<i>Desmodium canadense</i>	showy tick trefoil	3
<i>Desmodium illinoense</i>	Illinois tick trefoil	1
<i>Dioscorea villosa</i>	wild yam	2
<i>Dodecatheon meadia</i>	shooting star	3
<i>Eleocharis obtusa</i>	blunt spike rush	1
<i>Eleocharis palustris</i>	great spike rush	1
<i>Elymus canadensis</i>	Canada wild rye	2
<i>Elymus hystrix</i>	bottlebrush grass	1
<i>Erythronium mesochoreum</i> (State Threatened)	white dog-tooth violet	1
<i>Erigeron annuus</i>	annual fleabane	1
<i>Eryngium yuccifolium</i>	rattlesnake master	4
<i>Eupatorium altissimum</i>	tall boneset	2
<i>Eupatorium serotinum</i>	late boneset	2
<i>Euphorbia corollata</i>	flowering spurge	3
<i>Euthamia graminifolia</i>	grass-leaved goldenrod	3
<i>Festuca pratensis</i>	meadow fescue	3
<i>Galium obtusum</i>	wild madder	1
<i>Geum canadense</i>	white avens	1
<i>Helianthus grosseserratus</i>	sawtooth sunflower	2
<i>Helianthus mollis</i>	hairy sunflower	3
<i>Helianthus strumosus</i>	pale-leaved sunflower	2
<i>Hesperis matronalis</i>	dame's rocket	3
<i>Heuchera richardsonii</i> v. <i>grayana</i>	prairie alumroot	2
<i>Iris shrevei</i>	southern blue flag	3
<i>Juncus torreyi</i>	Torrey's rush	2
<i>Lepidium virginicum</i>	common peppergrass	3
<i>Lespedeza capitata</i>	bush clover	2
<i>Liatris pycnostachya</i>	gayfeather	4
<i>Lythrum alatum</i>	winged loosestrife	1
<i>Melilotus alba</i>	white sweet clover	2
<i>Lonicera maackii</i>	amur honeysuckle	2
<i>Monarda fistulosa</i>	wild bergamot	2
<i>Morus alba</i>	white mulberry	2
<i>Panicum virgatum</i>	prairie switch grass	2
<i>Parthenium integrifolium</i>	wild quinine	1
<i>Pastinaca sativa</i>	wild parsnip	3
<i>Phalaris arundinacea</i>	reed canary grass	3
<i>Podophyllum peltatum</i>	may apple	2
<i>Polygonum amphibium</i>	water knotweed	3
<i>Polygonum virginianum</i>	Virginia knotweed	2

<i>Potentilla simplex</i>	common cinquefoil	2
<i>Prunus americana</i>	American plum	2
<i>Pycnanthemum virginianum</i>	mountain mint	3
<i>Quercus stellata</i>	post oak	2
<i>Ratibida pinnata</i>	yellow coneflower	2
<i>Rhus glabra</i>	smooth sumac	3
<i>Rosa carolina</i>	pasture rose	2
<i>Rubus flagellaris</i>	common dewberry	2
<i>Rudbeckia hirta</i>	black-eyed susan	1
<i>Rudbeckia subtomentosa</i>	sweet black-eyed susan	3
<i>Salix humilis</i>	prairie willow	2
<i>Salix nigra</i>	black willow	2
<i>Sambucus canadensis</i>	common elder	1
<i>Schizachyrium scoparium</i>	little bluestem	3
<i>Scirpus pendulus</i>	red bulrush	2
<i>Silphium integrifolium</i>	rosinweed	3
<i>Silphium laciniatum</i>	compass plant	2

Plant List for Site N#28 cont.

Scientific Name	Common Name	RAV
<i>Silphium perfoliatum</i>	cup plant	1
<i>Silphium terebinthinaceum</i>	prairie dock	2
<i>Sisyrinchium albidum</i>	common blue-eyed grass	1
<i>Sisyrinchium campestre</i>	prairie blue-eyed grass	1
<i>Solidago canadensis</i>	Canada goldenrod	5
<i>Solidago missouriensis</i>	Missouri goldenrod	2
<i>Solidago nemoralis</i>	dyersweed goldenrod	2
<i>Solidago rigida</i>	rigid goldenrod	1
<i>Sorghastrum nutans</i>	Indian grass	2
<i>Spartina pectinata</i>	prairie cord grass	2
<i>Sporobolus asper</i>	drop seed	2
<i>Sporobolus heterolepis</i>	northern drop seed	1
<i>Stachys palustris</i>	woundwort	2
<i>Thalictrum revolutum</i>	waxy meadow rue	2
<i>Toxicodendron radicans</i>	poison ivy	2
<i>Tradescantia ohiensis</i>	Ohio spiderwort	2
<i>Tridens flavus</i>	false red top	2
<i>Vernonia baldwinii</i>	Baldwin's ironweed	2
<i>Veronicastrum virginicum</i>	culver's root	2
<i>Vitis riparia</i>	riverbank grape	2
<i>Zizia aurea</i>	golden alexanders	2

Site: District 6

N# 29

Date: 10/15/02

Evaluator(s): William C. Handel

Location: IL 4 19000 to 19500 north of Nilwood

County: Macoupin

GPS Data: Starting UTM 16S 0259602 - 4367237

GPS Data Ending UTM 16S 0260348 - 4368546

Quality Class: 3

Natural Community Type(s): Dry-mesic prairie

(Quality Classes: 1=Grades A or B, 2 = C, 3=D)

Threats: exotics

Scientific Name

Common Name

Festuca pratensis

meadow fescue

Prairie Width: 35 m

Signs or Evidence of Management: No

Dist. from Pavement: 3 m **Railroad Activity:** Active

Prairie Length: 1.5 miles

Prairie present on opposite side of track: No

Significant or Exceptional Features: None

Comments: None

Plant List for Site N#29

Scientific Name	Common Name	RAV
<i>Festuca pratensis</i>	meadow fescue	3
<i>Andropogon gerardii</i>	big bluestem	3
<i>Apocynum sibiricum</i>	Indian hemp	3
<i>Cirsium discolor</i>	field thistle	2
<i>Eupatorium altissimum</i>	tall boneset	3
<i>Populus deltoides</i>	cottonwood	2
<i>Rhus glabra</i>	smooth sumac	2
<i>Silphium laciniatum</i>	compass plant	3
<i>Silphium perfoliatum</i>	cup plant	3
<i>Silphium terebinthinaceum</i>	prairie dock	3
<i>Solidago canadensis</i>	Canada goldenrod	4
<i>Sorghastrum nutans</i>	Indian grass	3
<i>Sporobolus asper</i>	drop seed	4
<i>Vernonia missurica</i>	Missouri ironweed	3
<i>Setaria faberi</i>	giant foxtail	2

Site: District 6

N# 30

Date: 9/25/02

Evaluator(s): William C. Handel

Location: 1825 E. Horse Farm Lane to Murrayville

County: Scott/Morgan

GPS Data: Starting UTM 15S 0730638 - 4381633

GPS Data Ending UTM 15S 0735889 - 4385043

Quality Class: 2

Natural Community Type(s): Dry-mesic prairie

(Quality Classes: 1=Grades A or B, 2 = C, 3=D)

Threats: exotics

Scientific Name

Common Name

Dipsacus laciniatus

cut-leaved teasel

Pastinaca sativa

wild parsnip

Robinia pseudoacacia

black locust

Prairie Width: 10 - 80 m

Signs or Evidence of Management: No

Dist. from Pavement: 5 m **Railroad Activity:** Active

Prairie Length: 4 miles

Prairie present on opposite side of track: No

Significant or Exceptional Features: None

Comments: None

Plant List for Site N#30

Scientific Name	Common Name	RAV
<i>Andropogon gerardii</i>	big bluestem	2
<i>Asclepias syriaca</i>	common milkweed	3
<i>Cornus racemosa</i>	gray dogwood	4
<i>Corylus americana</i>	hazelnut	4
<i>Desmanthus illinoensis</i>	Illinois bundleflower	3
<i>Dipsacus laciniatus</i>	cut-leaved teasel	3
<i>Elymus canadensis</i>	Canada wild rye	1
<i>Eupatorium altissimum</i>	tall boneset	1
<i>Euphorbia corollata</i>	flowering spurge	1
<i>Gaura biennis</i>	gaura	1
<i>Helianthus grosseserratus</i>	tall sunflower	5
<i>Helianthus mollis</i>	hairy sunflower	2
<i>Helianthus rigidus</i>	prairie sunflower	2
<i>Mirabilis nyctaginea</i>	wild four-o'clock	3
<i>Panicum virgatum</i>	prairie switch grass	2
<i>Pastinaca sativa</i>	wild parsnip	3
<i>Prenanthes aspera</i>	rough white lettuce	4
<i>Rhus glabra</i>	smooth sumac	3
<i>Robinia pseudoacacia</i>	black locust	5
<i>Rubus allegheniensis</i>	common blackberry	1
<i>Sambucus canadensis</i>	elderberry	1
<i>Sassafras albidum</i>	red sassafras	1
<i>Silphium perfoliatum</i>	cup plant	1
<i>Silphium terebinthinaceum</i>	prairie dock	5
<i>Solidago canadensis</i>	Canada goldenrod	4
<i>Sorghastrum nutans</i>	Indian grass	1
<i>Tradescantia ohiensis</i>	Ohio spiderwort	1

<i>Tridens flavus</i>	false red top	2
<i>Vernonia missurica</i>	Missouri ironweed	1

Site: District 6

N# 31

Date: 9/25/02

Evaluator(s): William C. Handel

Location: IL 267 from Murryville to Hanson Road

County: Morgan

GPS Data: Starting UTM 15S 0737296 - 4386489

GPS Data Ending UTM 15S 0738572 - 4392686

Quality Class: 2

Natural Community Type(s): Dry-mesic prairie

(Quality Classes: 1=Grades A or B, 2 = C, 3=D)

Threats: exotics, mowing

Scientific Name

Common Name

Bromus inermis

smooth brome grass

Coronilla varia

crown vetch

Festuca pratensis

meadow fescue

Robinia pseudoacacia

black locust

Prairie Width: 15 m

Signs or Evidence of Management: Yes

Prairie Restoration Sign

Dist. from Pavement: 5 m **Railroad Activity:** Active

Prairie Length: 5 miles

Prairie present on opposite side of track: No

Significant or Exceptional Features: One state threatened plant occurs in this remnant.

Comments: Most of the area near Murryville is mowed.

Plant List for Site N#31

Scientific Name

Common Name

RAV

Andropogon gerardii

big bluestem

2

Asclepias sullivantii

prairie milkweed

1

Aster pilosus

hairy aster

2

Aster praealtus

willow-leaved aster

2

Bromus inermis

smooth brome grass

3

Cirsium discolor

field thistle

1

Conyza canadensis

horseweed

4

Cornus racemosa

gray dogwood

4

Coronilla varia

crown vetch

2

Daucus carota

Queen-Anne's-lace

2

Elymus canadensis

Canada wild rye

3

Erythronium mesochoreum (State Threatened)

white dog-tooth violet

1

Festuca pratensis

meadow fescue

3

Helianthus grosseserratus

tall sunflower

4

Helianthus mollis

hairy sunflower

2

Prenanthes aspera

rough white lettuce

2

Prunus americana

American plum

1

Prunus serotina

wild black cherry

2

Psoralea onobrychis

French grass

2

Rhus glabra

smooth sumac

2

Robinia pseudoacacia

black locust

1

Setaria faberi

giant foxtail

2

Silphium laciniatum

compass plant

1

Silphium terebinthinaceum

prairie dock

1

Solidago canadensis

Canada goldenrod

4

<i>Sorghastrum nutans</i>	Indian grass	4
<i>Spartina pectinata</i>	prairie cord grass	2
<i>Tridens flavus</i>	false red top	4
<i>Vernonia missurica</i>	Missouri ironweed	2

Site: District 6

N# 32

Date: 10/16/02

Evaluator(s): William C. Handel

Location: IL 104 at Wood Road west of Franklin

County Morgan

GPS Data: UTM 15S 0747841 - 4393864

Quality Class: 3

Natural Community Type(s): Dry-mesic prairie

(Quality Classes: 1=Grades A or B, 2 = C, 3=D)

Threats: exotics, mowing

Scientific Name

Common Name

Festuca pratensis

meadow fescue

Prairie Width: 20 m

Signs or Evidence of Management: No

Dist. from Pavement: 3 m **Railroad Activity:** Active

Prairie Length: 0.2 miles

Prairie present on opposite side of track: No

Significant or Exceptional Features: None

Comments: None

Plant List for Site N#32

Scientific Name

Common Name

RAV

Andropogon gerardii

big bluestem

2

Apocynum sibiricum

Indian hemp

2

Asclepias syriaca

common milkweed

3

Cassia fasciculata

partridge pea

3

Cirsium discolor

field thistle

2

Elymus canadensis

Canada wild rye

3

Festuca pratensis

meadow fescue

3

Helianthus rigidus

prairie sunflower

2

Panicum virgatum

prairie switch grass

3

Spartina pectinata

prairie cord grass

4

Tridens flavus

false red top

2

Vernonia missurica

Missouri ironweed

3

Site: District 6

N# 33

Date: 10/16/02

Evaluator(s): William C. Handel

Location: Waverly Lake Road

County Morgan

GPS Data: UTM 15S 0755879 - 4387826

Quality Class: 3

Natural Community Type(s): Dry-mesic prairie

(Quality Classes: 1=Grades A or B, 2 = C, 3=D)

Threats: exotics, mowing

Scientific Name

Common Name

Festuca pratensis

meadow fescue

Prairie Width: 35 m

Signs or Evidence of Management: No

Dist. from Pavement: 1 m **Railroad Activity:** Active

Prairie Length: 0.3 miles

Prairie present on opposite side of track: Yes

Significant or Exceptional Features: None

Comments: None

Plant List for Site N#33

Scientific Name

Common Name

RAV

Andropogon gerardii

big bluestem

3

Aster novae-angliae

New England aster

4

Aster pilosus

hairy aster

3

Conyza canadensis

horseweed

2

Festuca pratensis

meadow fescue

3

Helianthus grosseserratus

tall sunflower

2

Heliopsis helianthoides

false sunflower

3

Monarda fistulosa

wild bergamot

3

Ratibida pinnata

drooping coneflower

3

Silphium perfoliatum

cup plant

1

Silphium terebinthinaceum

prairie dock

1

Solidago canadensis

Canada goldenrod

3

Solidago rigida

rigid goldenrod

2

Sorghastrum nutans

Indian grass

3

Tridens flavus

false red top

3

Site: District 6

N# 34

Date: 10/30/02

Evaluator(s): William C. Handel

Location: IL 121 (1750 Avenue to Latham)

County: Logan

GPS Data: Starting UTM 16T 0306832 - 4429937

GPS Data Ending UTM 16T 0314232 - 4426775

Quality Class: 3

Natural Community Type(s): Mesic prairie

(Quality Classes: 1=Grades A or B, 2 = C, 3=D)

Threats: exotics, mowing

Scientific Name

Common Name

Bromus inermis

smooth brome grass

Festuca pratensis

meadow fescue

Pastinaca sativa

wild parsnip

Prairie Width: 20 m

Signs or Evidence of Management: No

Dist. from Pavement: 3 m **Railroad Activity:** Active

Prairie Length: 5.5 miles

Prairie present on opposite side of track: Yes

Significant or Exceptional Features: None

Comments: None

Plant List for Site N#34

Scientific Name

Common Name

RAV

Andropogon gerardii

big bluestem

2

Bromus inermis

smooth brome grass

3

Cirsium discolor

field thistle

1

Elymus canadensis

Canada wild rye

3

Elymus virginicus

wild rye

2

Festuca pratensis

meadow fescue

3

Helianthus rigidus

prairie sunflower

1

Panicum virgatum

prairie switch grass

2

Pastinaca sativa

wild parsnip

3

Ratibida pinnata

drooping coneflower

2

Rubus allegheniensis

common blackberry

1

Silphium laciniatum

compass plant

2

Silphium terebinthinaceum

prairie dock

1

Spartina pectinata

prairie cord grass

2

Vernonia missurica

Missouri ironweed

2

Mowed Areas

1. Adams County
US -24 Paloma to Camp Point
This remnant appears to have potential if mowing is ceased. There was some conservative species in the narrow band of uncut vegetation near the tracks.
2. Brown County
IL - 99 west of 050 N
The area was mowed during spring survey.
3. Menard County
IL - 97 Between Oakford and Petersburg
This area was low quality.
4. Montgomery County
North of Litchfield; Old Route US 66
This appears to have some quality prairie remaining. Some of the area may have been planted in a prairie seed mix.
5. Sangamon County
IL - 104 east of Pawnee
This prairie remnant was mowed several times throughout the year. It is low quality.
- 6-8. Christian County
IL - 48 Starting just southwest of Morrisonville and extending to the Macon County Line.
These prairies all are similar in quality. There are some plants growing next to the railroad that indicate that these areas might be worth managing.
- 9-12. Christian and Montgomery counties
IL - 16 From west of Pana to Irving.
These areas were mowed several times during the growing season. Road construction was going on at these sites during the summer survey. It appears that there could be high quality prairie scattered in these remnants. Some conservative species are present in the areas that were not mowed.