McHENRY COUNTY FLORISTIC SURVEYS

2004

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Biologic Inventories for Natural Areas
in McHenry County, Illinois

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INTRODUCTION

In an effort to identify outstanding significant natural areas in McHenry County that meet the requirements of the Illinois Natural Area Inventory (INAI) standards, and to identify appropriate means of protection, botanical surveys were conducted on eight (8) privately owned natural areas throughout the county. The project was supported through the Wildlife Preservation Fund small grants program. The job coordinator was Brad Semel, who is the IDNR district heritage biologist for McHenry County. Steve Byers, of the Nature Preserves Commission, participated in some of the field work as well.

METHODS

Floristic Inventories

Each site was visited at least one time during the growing season of 2004 for the purpose of inventorying the vascular plants. Notable occurrences of wildlife were recorded as well. In most cases, as much of the site as possible was covered; in the case of the Tauck and Johnson properties, emphasis was given to selected wetland areas. The site names and survey dates were as follows:

MiKell Fen	June 1, July 27
Boloria Meadows	June 1, July 27, August 6
North Boloria	June 1
Miles Property	June 1
Tauck Property	July 26, August 19
Clemetsen Property	September 17
Johnson Pond	September 17
Blair Seeps and Prairie	September 17 and 28, October 12

Element occurrence records are being filed with the IDNR for the state-listed species encountered.

Transect Descriptions

At Boloria Meadows, a transect was established in the fen area on July 27. Thirty square sample plots (quadrats), 0.25 m^2 in size, were laid out along a straight-line transect at 1-meter intervals, and sampling occurred on either side of the transect randomly. Since the area was not long, quadrats 1–24 were laid out in a westerly direction, and quadrats 25–30 headed back in an easterly direction on a parallel track about 2 meters north of the main part of the transect. Brad Semel took GPS readings of the transect location.

At the Blair site, a transect was laid out in one of the prairie areas on October 12. Permanent stakes were placed at the beginning and end of the straight-line transect, and GPS readings were taken at the stakes. The sampling interval was 2 meters, and the number of square 0.25 m^2 quadrats sampled was 20.

Data Analysis

Both the transect and inventory lists were analyzed with the Floristic Quality Assessment system. For the transect sampling, this requires that within each square quadrat (0.25 m^2), vascular plants are identified to species and assigned a Braun-Blanquet cover/abundance coefficient, with values ranging from 1 to 5. Generally, the cover coefficients are applied according to the following criteria:

1 = species in only 1 quarter of the quadrat and having 1 to few stems
2 = species occupying 1 to 2 quarters and numbering several stems
3 = species occupying 2 to 3 quarters with cover and density notable in each
4 = species occupying 3 to 4 quarters with a regular density throughout
5 = species dominating the entire quadrat

These measurements are used to determine relative importance values both for physiognomic groups represented in a transect and for individual species' occurrence throughout a transect. A relative importance value (RIV) for a species, or designated group of species, is calculated by adding a value for relative frequency (RFRQ) and a value for relative cover (RCOV) and dividing the sum by 2.

Overall floristic quality for a transect or an inventory is determined through an analysis of the conservatism of the species appearing in the sampling area. Conservatism is defined by how restricted a species is to high-quality remnant habitats—those natural areas with nearly intact or significant ecological structure, composition, and function.

Each native species in our flora has been assigned a coefficient of conservatism (C) from 0 to 10 (least to most conservative). The floristic quality index (FQI) for a site is calculated by multiplying the mean C ($\overline{C}$) by the square root of the total number of native species recorded there. As natural phenomena and human impacts (including management) cause change to occur, the $\overline{C}$ and FQI measured over time will reflect the extent to which conservative species are being recruited or lost, and whether the floristic quality is improving or declining.

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Each native species in our flora has been assigned a coefficient of conservatism (C) from 0 to 10 (least to most conservative). The floristic quality index (FQI) for a site is calculated by multiplying the mean C ($\overline{C}$) by the square root of the total number of native species recorded there. As natural phenomena and human impacts (including management) cause change to occur, the $\overline{C}$ and FQI measured over time will reflect the extent to which conservative species are being recruited or lost, and whether the floristic quality is improving or declining.

An analysis of species with regard to their wetness affinity is also important in the evaluation of a plant community. Each vascular plant species in our flora has a designated indicator category that defines the estimated probability of its occurring in a wetland. Plants are designated as *obligate wetland* (OBL or −5), *facultative wetland* (FACW or −3), *facultative* (FAC or 0), *facultative upland* (FACU or 3), or *[obligate] upland* (UPL or 5). For about 20% of our flora, "+" or "−" signs have been attached to the three *facultative* categories to express the exaggerated tendencies of those species. The "+" sign means that the species has a greater probability of occurring in wetlands; the "−" sign means that it has a lesser estimated probability of occurring in wetlands. The extent to which an area is dominated by wetland plants is derived by calculating the mean wetness coefficient ($\overline{W}$) of all the native species in a transect or other sampling area.

RESULTS AND DISCUSSION

MiKell Fen

This small hillside seep yielded 43 native species with a very high mean C value of 4.8. The main survey occurred on June 1, when the sedges were in their full late-spring glory. Fine-textured but vigorous clumps of *Carex leptalea* (slender sedge) and *Carex interior* (prairie star sedge) were spread across the hilltop seep, along with a number of other sedges, including *Carex sterilis* (fen star sedge), *Carex stricta* (common tussock sedge), *Carex pellita* (broad-leaved woolly sedge), and *Carex hystericina* (porcupine sedge). In amongst these sedges were clumps of the small, state-endangered *Viola incognita* (hairy white violet). Generously scattered across the hillside was *Solidago patula* (swamp goldenrod), which is another indicator of a high-quality remnant natural area.

The site looked wonderful in its first year after clearing. The bottom of the hill will need some time to develop from its brush-infested state; indeed, it would be an interesting area to track over time with a transect study. Some additional clearing is planned for the top of the hill over the winter, as it was apparent that there were additional sedges and other natives there that were struggling to survive the shade of woody growth. It was a most fortuitous circumstance that this little site was identified and that it is being managed to maintain its native quality.

The inventory list for this site, and for each of the other sites, is provided in Appendix I.

Boloria Meadows

Several visits to this site yielded a plant inventory of 120 native species, with a very high mean C value of 4.9. The central area is a rich sedge meadow with fen species at one end; it is surrounded by remnant native woodland. One of the most striking aspects, even in pre-bloom state, was the thick colony of *Parnassia glauca* (grass of Parnassus), whose habitat is restricted to calcareous springy sites. It was growing with other highly conservative natives such as *Solidago ohioensis,* (Ohio goldenrod), *Cirsium muticum* (swamp thistle), and *Pedicularis lanceolata* (fen betony). The July visit revealed generous numbers of the native orchid *Liparis loeselii* (green twayblade) scattered throughout this locale. Also growing here is *Rhus vernix* (poison sumac), a shrub that is seldom encountered because of its specialized habitat requirements.

Some of the areas peripheral to the sedge meadow have invasive species, such as *Phalaris arundinacea* (reed canary grass). These are being actively controlled with aggressive management. The main central portion, however, is quite free of problem non-native species. The sedge clumps have a rich array of native forbs growing amongst them. A particularly interesting, uncommon sedge species found in the wet meadow was *Carex vesicaria* var. *monile* (tufted lake sedge). In the spring, the standing water was full of the floating liverworts *Ricciocarpus natans* (purple fringed riccia) and *Riccia fluitans* (slender riccia), both indicators of a high-quality wetland. The caterpillar stage of the rare Baltimore Checkerspot butterfly was seen twice on the June visit on one of its host plants, *Chelone glabra* (turtlehead).

The fen transect yielded very high values. The average number of native species per quadrat was 12.7, and the average C value per quadrat was 5.6. Complete transect data are given in Appendix II.

North Boloria

To the north of Boloria Meadows and contiguous with it is a separate management unit called North Boloria. Though its remnant native quality is not as high as the other sites visited, it may improve with continued management; it also has value as buffer land to the higher-quality area. A particularly notable occurrence here was *Carex trichocarpa* (hairy-fruited lake sedge), which was abundant and widespread at the site. The number of native species recorded on this visit was 52, with a mean C value of 3.3.

Miles Property

The site visit here on June 1 yielded 68 native species with a mean C value of 4.0. Some evidence of the recent brush clearing was still apparent, and it was clear that this recovering land would present a more striking picture later this season and in subsequent years. Conservative native species were found in the open prairie areas and in the wetter streamside habitat. There is also remnant woodland on this tract. Clearly, this site has great potential, and tracking the redevelopment of its native character would be a fascinating study.

Tauck Property

One of the most interesting plant communities on this 60-acre property is a buttonbush wetland called Skunk Pond. In the center of the wetland, which is ringed by *Cephalanthus occidentalis* (buttonbush), is a lovely stand of *Glyceria septentrionalis* (floating manna grass). There is also *Utricularia vulgaris* (common bladderwort) in the pond. On the partly sunny slope leading down to the pond, a small population of the state-endangered *Veronica americana* (American brooklime) was seen in bloom on July 26. The site list for this year's visits yielded 128 native species with a mean C of 4.2.

In a brushy woodland area, two native orchids were discovered. A large basal rosette of *Goodyera pubescens* (rattlesnake plantain) was growing close to several *Liparis lilifolium* (purple twayblade) plants. Some of the twayblades had flowered, but in July had naked stalks. Whether fruits had matured or not is unknown. Elsewhere on the property, open areas are inhabited by *Carex;* a walkthrough earlier in the season would be necessary for positive identification of some of them.

As with a number of the areas in this study, some plant records had been carefully kept, but even these short visits in 2004 expanded the number of species considerably. It was wholly fortuitous that the main visit on July 26 coincided with the blooming of the endangered *Veronica,* and is but one example of what even minimal additional botanizing can yield. More thorough efforts would undoubtedly expand greatly our knowledge of these remnant landscapes and what they are bringing forth, now that management is occurring in a number of them.

Clemetsen Property

This large and diverse tract has been actively managed for a number of years, and the results in many areas have been most gratifying. Several high-quality sedge meadows and wetlands in particular have made an impressive recovery. There is also oak-hickory woodland, part of which has been cleared of dense *Rhamnus cathartica* (common buckthorn). As is often the case with our remnant woods, recovery there has not resulted in the level of diversity noted elsewhere. Besides the buckthorn-infested woods, which have been a problem for some time, there are some other areas on the property that are becoming weedy with *Solidago altissima* (tall goldenrod), perhaps because of hydrologic changes. A number of other areas, however, support rich matrices of native species with minimal invasion from non-natives. The walkthrough on September 17 yielded 150 native species with an impressive mean C of 4.5. Of the total 178 species recorded that day, 64 were new additions to previously compiled site lists. A visit during late May or early June, when most of the sedges would be identifiable, would prove most interesting.

There have been some plant introductions, and careful records have been kept of these. This property is under very capable and conscientious care, and permanent protection would ensure that this area will continue to be a community asset in the years to come.

Adjacent to this property, to the east, is a prairie reconstruction that is thriving. Unlike most young reconstructions that are dominated by tall grasses, goldenrods, and other composites, this prairie has a very rich forb matrix with some grasses mixed in, not gigantic in stature. It is hard to believe that this land was under cultivation several years ago. It is an example of the rapid response to management and reseeding of

land that has been witnessed at a number of the sites in this study. It is as if the land is welcoming the native elements back again. This felicitous situation argues for aggressive acquisition, protection, and management of other remnant and recoverable sites like this. A transect here, and in some of the wet prairies or cleared woods on the Clemetsens' land would be instructive studies in land and native plant recovery.

Johnson Pond

Just a few short years ago, the small pond that extends north from the Johnsons' driveway corridor was choked with *Phalaris arundinacea* (reed canary grass). With the support of the co-owner of the pond area, George Johnson herbicided the *Phalaris* with Roundup in the fall of 2002, and amazing things have happened. The pond has burgeoned with a variety of native plants, some of them highly conservative, and the need for follow-up herbiciding has been minimal. A floristic inventory on September 17 yielded 39 native species with a mean C value of 4.4 (included are 3 species gathered and dried earlier in the year). Additional dried specimens suggest that at least several more very conservative plants are thriving here; these will need to be confirmed next growing season. Besides the vascular plants present, two floating liverworts were seen, both indicators of a high-quality wetland: *Ricciocarpus natans* (purple-fringed riccia) and *Riccia fluitans* (slender riccia).

On September 28, it was noted that some growth of *Typha* (cattail) may be headed toward the pond from the driveway verge. This will need to be watched carefully, along with the aggressive *Scirpus fluviatilis* (river bulrush), which already has a notable presence in the pond.

Blair Seeps and Prairie

This site provided a fitting grand finale for the McHenry County sites visited for this project. this fine prairie remnant contains four small seeps that are in near pristine condition. These rare, specialized habitats support the classic association of *Lobelia kalmii* (Kalm's lobelia) and *Parnassia glauca* (grass of Parnassus), along with *Panicum flexile* (wiry panic grass) and *Rhynchospora capillacea* (hair beak rush). Both of the fringed gentians were found there as well: *Gentiana crinita* (fringed gentian) and *Gentiana procera* (small fringed gentian). This cluster of seeps is an outstanding example of habitat that has very few stations extant in the county. In the fall, visits to the seeps and parts of the prairie yielded a list of 83 native species with a very high mean C of 5.0 (included is 1 species collected earlier in the year).

In the prairie transect, the average number of native species per quadrat was 9.2, with a mean C value of 4.9. Only 4 non-native species showed up in the transect, each with a negligible presence. The relative importance value of the native species was 98%. Complete transect data are presented in Appendix II.

Because of apparent hydrologic changes, which seem to have resulted in some dewatering and erosion, parts of this otherwise very high quality prairie have gotten weedy. *Ambrosia artemisiifolia* var. *elatior* (common ragweed) is one of the problem weeds; also, a patch of *Phalaris arundinacea* (reed canary grass) is growing perilously close to one of the seeps. This remnant deserves top priority for protection and management. A study of the hydrology and a remediation plan would be among the first tasks to be addressed.

SUMMARY

The floristic quality data for each site inventory are summarized in table 1, and the transect data from Boloria Meadows and the Blair Prairie are summarized in table 2.

Because these sites vary considerably in size and habitat diversity, care should be taken not to use table 1 indiscriminately as a comparison tool, particularly in regard to number of species found. The mean C value, on the other hand, does provide a very good indication of the current and potential native quality of the site. With continued botanizing, the mean C value is likely to remain quite constant, whereas an increased number of species recorded would cause the FQI to rise. All of these sites, with the exception of North Boloria, have remnant quality that is generally regarded to be irreplaceable by reconstruction or mitigation efforts.

The tremendous value of these sites lies not just in their biologic diversity and remnant quality (which is in some cases improving dramatically with management), but in the fact that they are being looked at as clusters of native landscapes and habitats. This has implications not only for their own survival and continued management, but for wildlife sustenance as well. McHenry County still has an opportunity to preserve its geomorphic and biologic natural heritage in landscape-scale units as well as in small, rich, specialized habitats. Any initiatives to promote the protection and management of these regional resources are worth whatever efforts governmental agencies, landowners, and concerned citizens can put forth.

TABLE 1. Site inventory floristic quality data

Site	Total Species	Native Species	Mean C	FQI	Mean W	% Native Species
MiKell Fen	46	43	4.8	31	-2.7	94%
Boloria Meadows	136	120	4.9	53	-2.5	88%
North Boloria	76	52	3.3	24	-1.3	68%
Miles Property	82	68	4.0	33	-0.7	83%
Tauck Property	151	128	4.2	47	0.4	85%
Clemetsen Property	178	150	4.5	55	-0.2	84%
Johnson Pond	42	39	4.4	28	-3.7	93%
Blair Seeps and Prairie	92	83	5.0	46	-1.2	90%

TABLE 2. Transect floristic quality data

Site	Average Quadrat				Transect Inventory				% Native Species	% Native RIV
	Native Species	Mean C	FQI	Mean W	Native Species	Mean C	FQI	Mean W		
Boloria Meadows	12.7	5.6	19.8	-3.8	47	4.9	33.7	-3.3	90%	95%
Blair Prairie	9.2	4.9	14.7	-0.5	42	4.4	28.4	-0.6	91%	98%

APPENDIX I

INVENTORY DATA

MiKell Fen

SITE: MiKell Fen
LOCALE: McHenry County, Illinois
Lee and Mary MiKell
west of Valley Hill Road, about 0.9 mile south of Bull Valley Road
east of Woodstock, Illinois
DATE: June 1 and July 27, 2004
BY: Barbara Johnson, Brad Semel, Steve Byers
FILE: MkFen04-inv

FLORISTIC QUALITY DATA

		NATIVE		93.5%	ADVENTIVE		6.5%
43	NATIVE SPECIES	1	Tree	2.2%	0	Tree	0.0%
46	Total Species	1	Shrub	2.2%	1	Shrub	2.2%
4.8	NATIVE MEAN C	1	W-Vine	2.2%	1	W-Vine	2.2%
4.5	W/Adventives	0	H-Vine	0.0%	0	H-Vine	0.0%
31.3	NATIVE FQI	24	P-Forb	52.2%	0	P-Forb	0.0%
30.2	W/Adventives	0	B-Forb	0.0%	0	B-Forb	0.0%
-2.7	NATIVE MEAN W	3	A-Forb	6.5%	0	A-Forb	0.0%
-2.4	W/Adventives	1	P-Grass	2.2%	1	P-Grass	2.2%
AVG:	FAC. WETLAND	0	A-Grass	0.0%	0	A-Grass	0.0%
		11	P-Sedge	23.9%	0	P-Sedge	0.0%
		0	A-Sedge	0.0%	0	A-Sedge	0.0%
		1	Cryptogam	2.2%			

INVENTORY DATA

ACRONYM	C	SCIENTIFIC NAME	W	WETNESS	PHYSIOG.	COMMON NAME
ARITRI	4	Arisaema triphyllum	-2	FACW-	Nt P-FORB	JACK-IN-THE-PULPIT
ASTLAT	4	Aster lateriflorus	-2	FACW-	Nt P-FORB	SIDE-FLOWERING ASTER
ASTPUP	8	Aster puniceus	-5	OBL	Nt P-FORB	BRISTLY ASTER
BIDFRO	1	Bidens frondosa	-3	FACW	Nt A-FORB	COMMON BEGGAR'S TICKS
CALTPA	5	Caltha palustris	-5	OBL	Nt P-FORB	MARSH MARIGOLD
CXBLAN	1	Carex blanda	0	FAC	Nt P-SEDGE	COMMON WOOD SEDGE
CXGRAN	4	Carex granularis	-4	FACW+	Nt P-SEDGE	PALE SEDGE
CXHYST	5	Carex hystericina	-5	OBL	Nt P-SEDGE	PORCUPINE SEDGE
CXINTE	10	Carex interior	-5	OBL	Nt P-SEDGE	PRAIRIE STAR SEDGE
CXLEPA	10	Carex leptalea	-5	OBL	Nt P-SEDGE	SLENDER SEDGE
CXPELL	4	Carex pellita	-5	OBL	Nt P-SEDGE	BROAD-LEAVED WOOLLY SEDGE
CXSTER	10	Carex sterilis	-5	OBL	Nt P-SEDGE	FEN STAR SEDGE
CXSTIP	3	Carex stipata	-5	OBL	Nt P-SEDGE	COMMON FOX SEDGE
CXSTRI	5	Carex stricta	-5	OBL	Nt P-SEDGE	COMMON TUSSOCK SEDGE
CXVULP	2	Carex vulpinoidea	-5	OBL	Nt P-SEDGE	BROWN FOX SEDGE
CIRLUC	1	Circaea lutetiana canadensis	3	FACU	Nt P-FORB	ENCHANTER'S NIGHTSHADE
ELEELL	8	Eleocharis elliptica	-5	[OBL]	Nt P-SEDGE	GOLDEN-SEEDED SPIKE RUSH
EQUARV	0	Equisetum arvense	0	FAC	CRYPTOGAM	HORSETAIL
ERIPHI	4	Erigeron philadelphicus	-3	FACW	Nt P-FORB	MARSH FLEABANE
EUPMAM	4	Eupatorium maculatum	-5	OBL	Nt P-FORB	SPOTTED JOE PYE WEED
EUPPER	4	Eupatorium perfoliatum	-4	FACW+	Nt P-FORB	COMMON BONESET
EUPRUG	4	Eupatorium rugosum	5	UPL	Nt P-FORB	WHITE SNAKEROOT
GALTRF	5	Galium triflorum	2	FACU+	Nt P-FORB	SWEET-SCENTED BEDSTRAW
GEUCAN	1	Geum canadense	0	FAC	Nt P-FORB	WOOD AVENS
GLYSTR	4	Glyceria striata	-3	[FACW]	Nt P-GRASS	FOWL MANNA GRASS

IMPCAP	3	Impatiens capensis	-3	FACW	Nt A-FORB	ORANGE JEWELWEED
JUNDUD	4	Juncus dudleyi	0	[FAC]	Nt P-FORB	DUDLEY'S RUSH
JUNVIC	2	Juniperus virginiana crebra	3	FACU	Nt TREE	RED CEDAR
LOBSIP	6	Lobelia siphilitica	-4	FACW+	Nt P-FORB	GREAT BLUE LOBELIA
LYCAME	5	Lycopus americanus	-5	OBL	Nt P-FORB	COMMON WATER HOREHOUND
LYCUNI	7	Lycopus uniflorus	-5	OBL	Nt P-FORB	NORTHERN BUGLE WEED
MENARV	5	Mentha arvensis villosa	-5	[OBL]	Nt P-FORB	WILD MINT
PEDLAN	9	Pedicularis lanceolata	-5	[OBL]	Nt P-FORB	FEN BETONY
POAPRA	*	Poa pratensis	1	FAC-	Ad P-GRASS	KENTUCKY BLUE GRASS
PRUVLA	0	Prunella vulgaris lanceolata	3	[FACU]	Nt P-FORB	SELF HEAL
RANREC	5	Ranunculus recurvatus	-3	FACW	Nt A-FORB	HOOKED BUTTERCUP
SMIRAC	3	Smilacina racemosa	3	FACU	Nt P-FORB	FEATHERY FALSE SOLOMON'S SEAL
SOLDUL	*	Solanum dulcamara	0	FAC	Ad W-VINE	BITTERSWEET NIGHTSHADE
SOLGIG	4	Solidago gigantea	-3	FACW	Nt P-FORB	LATE GOLDENROD
SOLPAT	9	Solidago patula	-5	OBL	Nt P-FORB	SWAMP GOLDENROD
SOLRID	7	Solidago riddellii	-5	OBL	Nt P-FORB	RIDDELL'S GOLDENROD
SYMFOE	8	Symplocarpus foetidus	-5	OBL	Nt P-FORB	SKUNK CABBAGE
VIBLEN	5	Viburnum lentago	-1	FAC+	Nt SHRUB	NANNYBERRY
VIBOPU	*	Viburnum opulus	3	[FACU]	Ad SHRUB	EUROPEAN HIGHBUSH CRANBERRY
VIOINC	10	Viola incognita	-3	FACW	Nt P-FORB	HAIRY WHITE VIOLET
VITRIP	2	Vitis riparia	-2	FACW-	Nt W-VINE	RIVERBANK GRAPE

Boloria Meadows

SITE: Boloria Meadows
LOCALE: McHenry County, Illinois
west of McAndrews Glen drive, which goes north from Bull Valley Road about 3.2 miles west of Route 31
west of McHenry, Illinois
DATE: June 1, July 27, and August 6, 2004
BY: Barbara Johnson, Brad Semel, Steve Byers
FILE: BolMdws04-inv

FLORISTIC QUALITY DATA

		NATIVE		88.2%	ADVENTIVE		11.8%
120	NATIVE SPECIES	5	Tree	3.7%	1	Tree	0.7%
136	Total Species	4	Shrub	2.9%	6	Shrub	4.4%
4.9	NATIVE MEAN C	2	W-Vine	1.5%	2	W-Vine	1.5%
4.3	W/Adventives	0	H-Vine	0.0%	0	H-Vine	0.0%
53.3	NATIVE FQI	70	P-Forb	51.5%	2	P-Forb	1.5%
50.1	W/Adventives	2	B-Forb	1.5%	1	B-Forb	0.7%
-2.4	NATIVE MEAN W	10	A-Forb	7.4%	1	A-Forb	0.7%
-1.9	W/Adventives	6	P-Grass	4.4%	3	P-Grass	2.2%
AVG:	FAC. WETLAND (-)	0	A-Grass	0.0%	0	A-Grass	0.0%
		14	P-Sedge	10.3%	0	P-Sedge	0.0%
		0	A-Sedge	0.0%	0	A-Sedge	0.0%
		7	Cryptogam	5.1%			

INVENTORY DATA

ACRONYM	C	SCIENTIFIC NAME	W	WETNESS	PHYSIOG.	COMMON NAME
ACENEG	0	Acer negundo	-2	FACW-	Nt TREE	BOX ELDER
ACESAI	0	Acer saccharinum	-3	FACW	Nt TREE	SILVER MAPLE
AGRGRY	2	Agrimonia gryposepala	2	FACU+	Nt P-FORB	TALL AGRIMONY
AGRALA	*	Agrostis alba	-3	FACW	Ad P-GRASS	REDTOP
ALITRI	4	Alisma triviale	-5	OBL	Nt P-FORB	LARGE-FLOWERED WATER PLANTAIN
ALLPET	*	Alliaria petiolata	0	FAC	Ad B-FORB	GARLIC MUSTARD
AMBTRI	0	Ambrosia trifida	-1	FAC+	Nt A-FORB	GIANT RAGWEED
ANEVIR	5	Anemone virginiana	5	UPL	Nt P-FORB	TALL ANEMONE
ANGATR	7	Angelica atropurpurea	-5	OBL	Nt P-FORB	GREAT ANGELICA
APOSIB	2	Apocynum sibiricum	-1	FAC+	Nt P-FORB	PRAIRIE INDIAN HEMP
ASCINC	4	Asclepias incarnata	-5	OBL	Nt P-FORB	SWAMP MILKWEED
ASTNOV	4	Aster novae-angliae	-3	FACW	Nt P-FORB	NEW ENGLAND ASTER
ASTPUP	8	Aster puniceus	-5	OBL	Nt P-FORB	BRISTLY ASTER
ASTPUF	7	Aster puniceus firmus	-5	OBL	Nt P-FORB	SHINING ASTER
ASTSIS	3	Aster simplex	-5	OBL	Nt P-FORB	PANICLED ASTER
BIDCER	5	Bidens cernua	-5	OBL	Nt A-FORB	NODDING BUR MARIGOLD
BIDCOM	5	Bidens comosa	-5	[OBL]	Nt A-FORB	SWAMP TICKSEED
BIDFRO	1	Bidens frondosa	-3	FACW	Nt A-FORB	COMMON BEGGAR'S TICKS
BOTDIS	6	Botrychium dissectum	0	FAC	CRYPTOGAM	CUT-LEAVED GRAPE FERN
CALCAN	3	Calamagrostis canadensis	-5	OBL	Nt P-GRASS	BLUE JOINT GRASS
CALTPA	5	Caltha palustris	-5	OBL	Nt P-FORB	MARSH MARIGOLD
CARBUL	6	Cardamine bulbosa	-5	OBL	Nt P-FORB	BULBOUS CRESS
CXBLAN	1	Carex blanda	0	FAC	Nt P-SEDGE	COMMON WOOD SEDGE
CXGRAN	4	Carex granularis	-4	FACW+	Nt P-SEDGE	PALE SEDGE
CXHYST	5	Carex hystericina	-5	OBL	Nt P-SEDGE	PORCUPINE SEDGE
CXINTE	10	Carex interior	-5	OBL	Nt P-SEDGE	PRAIRIE STAR SEDGE
CXNORM	5	Carex normalis	0	[FAC]	Nt P-SEDGE	SPREADING OVAL SEDGE
CXPELL	4	Carex pellita	-5	OBL	Nt P-SEDGE	BROAD-LEAVED WOOLLY SEDGE
CXSTIP	3	Carex stipata	-5	OBL	Nt P-SEDGE	COMMON FOX SEDGE

CXSTRI	5	Carex stricta	-5	OBL	Nt P-SEDGE	COMMON TUSSOCK SEDGE
CXVESM	10	Carex vesicaria monile	-5	OBL	Nt P-SEDGE	TUFTED LAKE SEDGE
CXVULP	2	Carex vulpinoidea	-5	OBL	Nt P-SEDGE	BROWN FOX SEDGE
CELORB	*	Celastrus orbiculatus	5	UPL	Ad W-VINE	ORIENTAL BITTERSWEET
CERVUL	*	Cerastium vulgatum	3	FACU	Ad P-FORB	MOUSE-EAR CHICKWEED
CHEGLB	8	Chelone glabra	-5	OBL	Nt P-FORB	TURTLEHEAD
CICBUL	8	Cicuta bulbifera	-5	OBL	Nt P-FORB	BULBLET-BEARING WATER HEMLOCK
CICMAC	6	Cicuta maculata	-5	OBL	Nt P-FORB	WATER HEMLOCK
CIRLUC	1	Circaea lutetiana canadensis	3	FACU	Nt P-FORB	ENCHANTER'S NIGHTSHADE
CIRMUT	10	Cirsium muticum	-5	OBL	Nt B-FORB	SWAMP THISTLE
COROBL	6	Cornus obliqua	-4	FACW+	Nt SHRUB	BLUE-FRUITED DOGWOOD
CORRAC	1	Cornus racemosa	-2	FACW-	Nt SHRUB	GRAY DOGWOOD
CRYCAN	2	Cryptotaenia canadensis	0	FAC	Nt P-FORB	HONEWORT
CYPSTR	1	Cyperus strigosus	-3	FACW	Nt P-SEDGE	LONG-SCALED NUT SEDGE
DRYSPI	8	Dryopteris spinulosa	-2	FACW-	CRYPTOGAM	SPINULOSE SHIELD FERN
DRYTHP	6	Dryopteris thelypteris pubescens	-5	[OBL]	CRYPTOGAM	MARSH SHIELD FERN
ELEELL	8	Eleocharis elliptica	-5	[OBL]	Nt P-SEDGE	GOLDEN-SEEDED SPIKE RUSH
ELEERY	2	Eleocharis erythropoda	-5	OBL	Nt P-SEDGE	RED-ROOTED SPIKE RUSH
EPICOL	3	Epilobium coloratum	-5	OBL	Nt P-FORB	CINNAMON WILLOW HERB
EPILEP	10	Epilobium leptophyllum	-5	OBL	Nt P-FORB	FEN WILLOW HERB
EQUARV	0	Equisetum arvense	0	FAC	CRYPTOGAM	HORSETAIL
EQUFLU	7	Equisetum fluviatile	-5	OBL	CRYPTOGAM	PIPES
ERIANS	0	Erigeron annuus	1	FAC-	Nt B-FORB	ANNUAL FLEABANE
ERIPHI	4	Erigeron philadelphicus	-3	FACW	Nt P-FORB	MARSH FLEABANE
EUPMAM	4	Eupatorium maculatum	-5	OBL	Nt P-FORB	SPOTTED JOE PYE WEED
EUPPER	4	Eupatorium perfoliatum	-4	FACW+	Nt P-FORB	COMMON BONESET
EUPRUG	4	Eupatorium rugosum	5	UPL	Nt P-FORB	WHITE SNAKEROOT
GALAPA	1	Galium aparine	3	FACU	Nt A-FORB	ANNUAL BEDSTRAW
GALTIN	8	Galium tinctorium	-5	OBL	Nt P-FORB	STIFF BEDSTRAW
GALTRF	5	Galium triflorum	2	FACU+	Nt P-FORB	SWEET-SCENTED BEDSTRAW
GEUALS	7	Geum aleppicum strictum	-1	FAC+	Nt P-FORB	YELLOW AVENS
GEUCAN	1	Geum canadense	0	FAC	Nt P-FORB	WOOD AVENS
GEULAT	2	Geum laciniatum trichocarpum	-3	FACW	Nt P-FORB	ROUGH AVENS
GLYSTR	4	Glyceria striata	-3	[FACW]	Nt P-GRASS	FOWL MANNA GRASS
IMPCAP	3	Impatiens capensis	-3	FACW	Nt A-FORB	ORANGE JEWELWEED
JUNDUD	4	Juncus dudleyi	0	[FAC]	Nt P-FORB	DUDLEY'S RUSH
JUNNOO	6	Juncus nodosus	-5	OBL	Nt P-FORB	JOINT RUSH
JUNVIC	2	Juniperus virginiana crebra	3	FACU	Nt TREE	RED CEDAR
LEEORY	4	Leersia oryzoides	-5	OBL	Nt P-GRASS	RICE CUT GRASS
LEMTRI	7	Lemna trisulca	-5	OBL	Nt A-FORB	FORKED DUCKWEED
LIASPI	6	Liatris spicata	0	FAC	Nt P-FORB	MARSH BLAZING STAR
LIPLOE	7	Liparis loeselii	-4	FACW+	Nt P-FORB	GREEN TWAYBLADE
LOBSIP	6	Lobelia siphilitica	-4	FACW+	Nt P-FORB	GREAT BLUE LOBELIA
LOBSPS	6	Lobelia spicata	0	FAC	Nt P-FORB	PALE SPIKED LOBELIA
LONMAA	*	Lonicera maackii	5	UPL	Ad SHRUB	AMUR HONEYSUCKLE
LONBEL	*	Lonicera X bella	4	FACU-	Ad SHRUB	SHOWY FLY HONEYSUCKLE
LYCAME	5	Lycopus americanus	-5	OBL	Nt P-FORB	COMMON WATER-HOREHOUND
LYCUNI	7	Lycopus uniflorus	-5	OBL	Nt P-FORB	NORTHERN BUGLE WEED
LYSQUR	9	Lysimachia quadriflora	-5	OBL	Nt P-FORB	NARROW-LEAVED LOOSESTRIFE
LYSTHY	9	Lysimachia thyrsiflora	-5	OBL	Nt P-FORB	TUFTED LOOSESTRIFE
LYTALA	7	Lythrum alatum	-5	OBL	Nt P-FORB	WINGED LOOSESTRIFE
MENARV	5	Mentha arvensis villosa	-5	[OBL]	Nt P-FORB	WILD MINT
MIMRIN	6	Mimulus ringens	-5	OBL	Nt P-FORB	MONKEY FLOWER
ONOSEN	8	Onoclea sensibilis	-3	FACW	CRYPTOGAM	SENSITIVE FERN
OSMLON	3	Osmorhiza longistylis	4	FACU-	Nt P-FORB	SMOOTH SWEET CICELY
OXAVIO	9	Oxalis violacea	5	UPL	Nt P-FORB	VIOLET WOOD SORREL
PANIMP	2	Panicum implicatum	1	FAC-	Nt P-GRASS	OLD-FIELD PANIC GRASS
PANVIR	5	Panicum virgatum	-1	FAC+	Nt P-GRASS	SWITCH GRASS
PARGLA	10	Parnassia glauca	-5	OBL	Nt P-FORB	GRASS OF PARNASSUS
PARQUI	2	Parthenocissus quinquefolia	1	FAC-	Nt W-VINE	VIRGINIA CREEPER
PEDLAN	9	Pedicularis lanceolata	-5	[OBL]	Nt P-FORB	FEN BETONY
PENSED	5	Penthorum sedoides	-5	OBL	Nt P-FORB	DITCH STONECROP
PHRLEP	4	Phryma leptostachya	5	UPL	Nt P-FORB	LOPSEED
PILPUM	5	Pilea pumila	-3	FACW	Nt A-FORB	CLEARWEED

POACOM	*	Poa compressa	2	FACU+	Ad P-GRASS	CANADA BLUE GRASS
POAPRA	*	Poa pratensis	1	FAC-	Ad P-GRASS	KENTUCKY BLUE GRASS
POLAMS	4	Polygonum amphibium stipulaceum	-5	OBL	Nt P-FORB	WATER KNOTWEED
POLPER	*	Polygonum persicaria	1	[FAC-]	Ad A-FORB	LADY'S THUMB
POLACR	9	Polystichum acrostichoides	5	UPL	CRYPTOGAM	CHRISTMAS FERN
PYCVIR	5	Pycnanthemum virginianum	-4	FACW+	Nt P-FORB	COMMON MOUNTAIN MINT
QUEMAC	5	Quercus macrocarpa	1	FAC-	Nt TREE	BUR OAK
RANREC	5	Ranunculus recurvatus	-3	FACW	Nt A-FORB	HOOKED BUTTERCUP
RANSCE	6	Ranunculus sceleratus	-5	OBL	Nt A-FORB	CURSED BUTTERCUP
RHACAT	*	Rhamnus cathartica	3	FACU	Ad SHRUB	COMMON BUCKTHORN
RHAFRA	*	Rhamnus frangula	-1	FAC+	Ad SHRUB	GLOSSY BUCKTHORN
RHUVER	10	Rhus vernix	-5	OBL	Nt SHRUB	POISON SUMAC
RIBAME	7	Ribes americanum	-3	FACW	Nt SHRUB	WILD BLACK CURRANT
ROSMUL	*	Rosa multiflora	3	FACU	Ad SHRUB	MULTIFLORA ROSE
RUMCRI	*	Rumex crispus	-1	FAC+	Ad P-FORB	CURLY DOCK
SAGCUN	8	Sagittaria cuneata	-5	OBL	Nt P-FORB	ARUM-LEAVED ARROWHEAD
SANGRE	2	Sanicula gregaria	-1	FAC+	Nt P-FORB	CLUSTERED BLACK SNAKEROOT
SCIATR	4	Scirpus atrovirens	-5	OBL	Nt P-SEDGE	DARK GREEN RUSH
SCUEPI	5	Scutellaria epilobiifolia	-5	OBL	Nt P-FORB	MARSH SKULLCAP
SCULAT	5	Scutellaria lateriflora	-5	OBL	Nt P-FORB	MAD-DOG SKULLCAP
SENPAU	6	Senecio pauperculus	-1	FAC+	Nt P-FORB	BALSAM RAGWORT
SENPLA	6	Senecio plattensis	4	FACU-	Nt P-FORB	PRAIRIE RAGWORT
SMIRAC	3	Smilacina racemosa	3	FACU	Nt P-FORB	FEATHERY FALSE SOLOMON'S SEAL
SMIECI	5	Smilax ecirrhata	5	UPL	Nt P-FORB	UPRIGHT CARRION FLOWER
SOLDUL	*	Solanum dulcamara	0	FAC	Ad W-VINE	BITTERSWEET NIGHTSHADE
SOLALT	1	Solidago altissima	3	FACU	Nt P-FORB	TALL GOLDENROD
SOLGIG	4	Solidago gigantea	-3	FACW	Nt P-FORB	LATE GOLDENROD
SOLGRN	3	Solidago graminifolia nuttallii	0	[FAC]	Nt P-FORB	HAIRY GRASS-LEAVED GOLDENROD
SOLJUN	5	Solidago juncea	5	UPL	Nt P-FORB	EARLY GOLDENROD
SOLOHI	9	Solidago ohioensis	-5	OBL	Nt P-FORB	OHIO GOLDENROD
SOLRID	7	Solidago riddellii	-5	OBL	Nt P-FORB	RIDDELL'S GOLDENROD
SPHINT	4	Sphenopholis intermedia	0	FAC	Nt P-GRASS	SLENDER WEDGE GRASS
STAPAH	5	Stachys palustris homotricha	-5	OBL	Nt P-FORB	WOUNDWORT
SYMFOE	8	Symplocarpus foetidus	-5	OBL	Nt P-FORB	SKUNK CABBAGE
THADAD	5	Thalictrum dasycarpum	-2	FACW-	Nt P-FORB	PURPLE MEADOW RUE
TYPLAT	1	Typha latifolia	-5	OBL	Nt P-FORB	BROAD-LEAVED CATTAIL
ULMPUM	*	Ulmus pumila	5	UPL	Ad TREE	SIBERIAN ELM
ULMRUB	4	Ulmus rubra	0	FAC	Nt TREE	SLIPPERY ELM
URTPRO	2	Urtica procera	-1	FAC+	Nt P-FORB	TALL NETTLE
VERHAS	4	Verbena hastata	-4	FACW+	Nt P-FORB	BLUE VERVAIN
VIBOPU	*	Viburnum opulus	3	[FACU]	Ad SHRUB	EUROPEAN HIGHBUSH CRANBERRY
VITRIP	2	Vitis riparia	-2	FACW-	Nt W-VINE	RIVERBANK GRAPE
ZIZAUR	7	Zizia aurea	-1	FAC+	Nt P-FORB	GOLDEN ALEXANDERS

North Boloria

SITE: North Boloria
LOCALE: McHenry County, Illinois
west of McAndrews Glen drive, which goes north from Bull Valley Road about 3.2 miles west of Route 31
west of McHenry, Illinois
DATE: June 1, 2004
BY: Barbara Johnson, Brad Semel, Steve Byers
FILE: NBol-1Jun04

FLORISTIC QUALITY DATA

		NATIVE		68.4%	ADVENTIVE		31.6%
52	NATIVE SPECIES	3	Tree	3.9%	0	Tree	0.0%
76	Total Species	5	Shrub	6.6%	5	Shrub	6.6%
3.3	NATIVE MEAN C	3	W-Vine	3.9%	0	W-Vine	0.0%
2.3	W/Adventives	0	H-Vine	0.0%	0	H-Vine	0.0%
23.9	NATIVE FQI	29	P-Forb	38.2%	6	P-Forb	7.9%
19.7	W/Adventives	3	B-Forb	3.9%	9	B-Forb	11.8%
-1.3	NATIVE MEAN W	2	A-Forb	2.6%	0	A-Forb	0.0%
0.1	W/Adventives	0	P-Grass	0.0%	4	P-Grass	5.3%
AVG:	FACULTATIVE (+)	0	A-Grass	0.0%	0	A-Grass	0.0%
		6	P-Sedge	7.9%	0	P-Sedge	0.0%
		0	A-Sedge	0.0%	0	A-Sedge	0.0%
		1	Cryptogam	1.3%			

INVENTORY DATA

ACRONYM	C	SCIENTIFIC NAME	W	WETNESS	PHYSIOG.	COMMON NAME
ACENEG	0	Acer negundo	-2	FACW-	Nt TREE	BOX ELDER
ACHMIL	*	Achillea millefolium	3	FACU	Ad P-FORB	YARROW
AGRGRY	2	Agrimonia gryposepala	2	FACU+	Nt P-FORB	TALL AGRIMONY
ALLPET	*	Alliaria petiolata	0	FAC	Ad B-FORB	GARLIC MUSTARD
ALLCAN	2	Allium canadense	3	FACU	Nt P-FORB	WILD ONION
ANGATR	7	Angelica atropurpurea	-5	OBL	Nt P-FORB	GREAT ANGELICA
APIAME	7	Apios americana	-3	FACW	Nt P-FORB	GROUND NUT
ASCSYR	0	Asclepias syriaca	5	UPL	Nt P-FORB	COMMON MILKWEED
ASTPUP	8	Aster puniceus	-5	OBL	Nt P-FORB	BRISTLY ASTER
BARVUL	*	Barbarea vulgaris	0	FAC	Ad B-FORB	YELLOW ROCKET
BROINE	*	Bromus inermis	5	UPL	Ad P-GRASS	HUNGARIAN BROME
CXGRAN	4	Carex granularis	-4	FACW+	Nt P-SEDGE	PALE SEDGE
CXNORM	5	Carex normalis	0	[FAC]	Nt P-SEDGE	SPREADING OVAL SEDGE
CXSTIP	3	Carex stipata	-5	OBL	Nt P-SEDGE	COMMON FOX SEDGE
CXTRIC	7	Carex trichocarpa	-5	OBL	Nt P-SEDGE	HAIRY-FRUITED LAKE SEDGE
CXVULP	2	Carex vulpinoidea	-5	OBL	Nt P-SEDGE	BROWN FOX SEDGE
CERVUL	*	Cerastium vulgatum	3	FACU	Ad P-FORB	MOUSE-EAR CHICKWEED
CHEGLB	8	Chelone glabra	-5	OBL	Nt P-FORB	TURTLEHEAD
CHRLEP	*	Chrysanthemum leucanthemum pinnatifidum	5	UPL	Ad P-FORB	OX-EYE DAISY
CICMAC	6	Cicuta maculata	-5	OBL	Nt P-FORB	WATER HEMLOCK
CIRLUC	1	Circaea lutetiana canadensis	3	FACU	Nt P-FORB	ENCHANTER'S NIGHTSHADE
CIRARV	*	Cirsium arvense	5	UPL	Ad P-FORB	FIELD THISTLE
CIRVUL	*	Cirsium vulgare	4	FACU-	Ad B-FORB	BULL THISTLE
CORRAC	1	Cornus racemosa	-2	FACW-	Nt SHRUB	GRAY DOGWOOD
DACGLO	*	Dactylis glomerata	3	FACU	Ad P-GRASS	ORCHARD GRASS
DAUCAR	*	Daucus carota	5	UPL	Ad B-FORB	QUEEN ANNE'S LACE
DIPSYL	*	Dipsacus sylvestris	5	UPL	Ad B-FORB	COMMON TEASEL
EQUARV	0	Equisetum arvense	0	FAC	CRYPTOGAM	HORSETAIL
ERIANS	0	Erigeron annuus	1	FAC-	Nt B-FORB	ANNUAL FLEABANE

ERIPHI	4	Erigeron philadelphicus	-3	FACW	Nt P-FORB	MARSH FLEABANE
EUPMAM	4	Eupatorium maculatum	-5	OBL	Nt P-FORB	SPOTTED JOE PYE WEED
EUPPER	4	Eupatorium perfoliatum	-4	FACW+	Nt P-FORB	COMMON BONESET
GALAPA	1	Galium aparine	3	FACU	Nt A-FORB	ANNUAL BEDSTRAW
GALTRF	5	Galium triflorum	2	FACU+	Nt P-FORB	SWEET-SCENTED BEDSTRAW
GEUCAN	1	Geum canadense	0	FAC	Nt P-FORB	WOOD AVENS
GEULAT	2	Geum laciniatum trichocarpum	-3	FACW	Nt P-FORB	ROUGH AVENS
HACVIR	0	Hackelia virginiana	1	FAC-	Nt B-FORB	STICKSEED
JUNDUD	4	Juncus dudleyi	0	[FAC]	Nt P-FORB	DUDLEY'S RUSH
JUNVIC	2	Juniperus virginiana crebra	3	FACU	Nt TREE	RED CEDAR
LACCAN	2	Lactuca canadensis	2	FACU+	Nt B-FORB	WILD LETTUCE
LATPAP	8	Lathyrus palustris	-3	FACW	Nt P-FORB	MARSH VETCHLING
LEPCAM	*	Lepidium campestre	5	UPL	Ad B-FORB	FIELD CRESS
LONMAA	*	Lonicera maackii	5	UPL	Ad SHRUB	AMUR HONEYSUCKLE
LONBEL	*	Lonicera X bella	4	FACU-	Ad SHRUB	SHOWY FLY HONEYSUCKLE
LYCAME	5	Lycopus americanus	-5	OBL	Nt P-FORB	COMMON WATER HOREHOUND
LYCUNI	7	Lycopus uniflorus	-5	OBL	Nt P-FORB	NORTHERN BUGLE WEED
MELLOF	*	Melilotus officinalis	3	FACU	Ad B-FORB	YELLOW SWEET CLOVER
MENARV	5	Mentha arvensis villosa	-5	[OBL]	Nt P-FORB	WILD MINT
PARQUI	2	Parthenocissus quinquefolia	1	FAC-	Nt W-VINE	VIRGINIA CREEPER
PASSAT	*	Pastinaca sativa	5	UPL	Ad B-FORB	WILD PARSNIP
PHAARU	*	Phalaris arundinacea	-4	FACW+	Ad P-GRASS	REED CANARY GRASS
POAPRA	*	Poa pratensis	1	FAC-	Ad P-GRASS	KENTUCKY BLUE GRASS
POTSIS	4	Potentilla simplex	4	FACU-	Nt P-FORB	COMMON CINQUEFOIL
PYCVIR	5	Pycnanthemum virginianum	-4	FACW+	Nt P-FORB	COMMON MOUNTAIN MINT
QUEMAC	5	Quercus macrocarpa	1	FAC-	Nt TREE	BUR OAK
RANREC	5	Ranunculus recurvatus	-3	FACW	Nt A-FORB	HOOKED BUTTERCUP
RHACAT	*	Rhamnus cathartica	3	FACU	Ad SHRUB	COMMON BUCKTHORN
RHUGLA	1	Rhus glabra	5	UPL	Nt SHRUB	SMOOTH SUMAC
RHURAD	2	Rhus radicans	-1	FAC+	Nt W-VINE	POISON IVY
ROSMUL	*	Rosa multiflora	3	FACU	Ad SHRUB	MULTIFLORA ROSE
SALDIS	2	Salix discolor	-3	FACW	Nt SHRUB	PUSSY WILLOW
SALINT	1	Salix interior	-5	OBL	Nt SHRUB	SANDBAR WILLOW
SANGRE	2	Sanicula gregaria	-1	FAC+	Nt P-FORB	CLUSTERED BLACK SNAKEROOT
SCIPEN	4	Scirpus pendulus	-5	OBL	Nt P-SEDGE	RED BULRUSH
SMIRAC	3	Smilacina racemosa	3	FACU	Nt P-FORB	FEATHERY FALSE SOLOMON'S SEAL
SOLALT	1	Solidago altissima	3	FACU	Nt P-FORB	TALL GOLDENROD
SOLGIG	4	Solidago gigantea	-3	FACW	Nt P-FORB	LATE GOLDENROD
SOLGRN	3	Solidago graminifolia nuttallii	0	[FAC]	Nt P-FORB	HAIRY GRASS-LEAVED GOLDENROD
TAROFF	*	Taraxacum officinale	3	FACU	Ad P-FORB	COMMON DANDELION
TRIPRA	*	Trifolium pratense	5	UPL	Ad P-FORB	RED CLOVER
TYPLAT	1	Typha latifolia	-5	OBL	Nt P-FORB	BROAD-LEAVED CATTAIL
VERTHA	*	Verbascum thapsus	5	UPL	Ad B-FORB	COMMON MULLEIN
VIBLEN	5	Viburnum lentago	-1	FAC+	Nt SHRUB	NANNYBERRY
VIBOPU	*	Viburnum opulus	3	[FACU]	Ad SHRUB	EUROPEAN HIGHBUSH CRANBERRY
VIOSOR	3	Viola sororia	1	FAC-	Nt P-FORB	COMMON BLUE VIOLET
VITRIP	2	Vitis riparia	-2	FACW-	Nt W-VINE	RIVERBANK GRAPE

Miles Property

SITE: Miles Property
LOCALE: McHenry County, Illinois
on north side of Bull Valley Road, 5.2 miles west of Route 31
east of Woodstock, Illinois
DATE: June 1, 2004
BY: Barbara Johnson, Brad Semel
FILE: Miles-1Jun04

FLORISTIC QUALITY DATA

		NATIVE		82.9%	ADVENTIVE		17.1%
68	NATIVE SPECIES	3	Tree	3.7%	0	Tree	0.0%
82	Total Species	5	Shrub	6.1%	6	Shrub	7.3%
4.0	NATIVE MEAN C	1	W-Vine	1.2%	0	W-Vine	0.0%
3.3	W/Adventives	2	H-Vine	2.4%	0	H-Vine	0.0%
33.1	NATIVE FQI	45	P-Forb	54.9%	3	P-Forb	3.7%
30.2	W/Adventives	3	B-Forb	3.7%	3	B-Forb	3.7%
-0.7	NATIVE MEAN W	4	A-Forb	4.9%	1	A-Forb	1.2%
-0.1	W/Adventives	2	P-Grass	2.4%	1	P-Grass	1.2%
AVG:	FACULTATIVE (+)	0	A-Grass	0.0%	0	A-Grass	0.0%
		2	P-Sedge	2.4%	0	P-Sedge	0.0%
		0	A-Sedge	0.0%	0	A-Sedge	0.0%
		1	Cryptogam	1.2%			

INVENTORY DATA

ACRONYM	C	SCIENTIFIC NAME	W	WETNESS	PHYSIOG.	COMMON NAME
AGRPUB	5	Agrimonia pubescens	5	UPL	Nt P-FORB	SOFT AGRIMONY
ALLPET	*	Alliaria petiolata	0	FAC	Ad B-FORB	GARLIC MUSTARD
ALLCAN	2	Allium canadense	3	FACU	Nt P-FORB	WILD ONION
AMBARE	0	Ambrosia artemisiifolia elatior	3	FACU	Nt A-FORB	COMMON RAGWEED
AMPBRC	5	Amphicarpaea bracteata comosa	-3	[FACW]	Nt H-VINE	LOWLAND HOG PEANUT
ANGATR	7	Angelica atropurpurea	-5	OBL	Nt P-FORB	GREAT ANGELICA
ARITRI	4	Arisaema triphyllum	-2	FACW-	Nt P-FORB	JACK-IN-THE-PULPIT
ASCSYR	0	Asclepias syriaca	5	UPL	Nt P-FORB	COMMON MILKWEED
ASTPUP	8	Aster puniceus	-5	OBL	Nt P-FORB	BRISTLY ASTER
CXHYST	5	Carex hystericina	-5	OBL	Nt P-SEDGE	PORCUPINE SEDGE
CXTRIC	7	Carex trichocarpa	-5	OBL	Nt P-SEDGE	HAIRY-FRUITED LAKE SEDGE
CERVUL	*	Cerastium vulgatum	3	FACU	Ad P-FORB	MOUSE-EAR CHICKWEED
CIRLUC	1	Circaea lutetiana canadensis	3	FACU	Nt P-FORB	ENCHANTER'S NIGHTSHADE
CIRMUT	10	Cirsium muticum	-5	OBL	Nt B-FORB	SWAMP THISTLE
CONSEP	1	Convolvulus sepium	0	FAC	Nt P-FORB	HEDGE BINDWEED
CORRAC	1	Cornus racemosa	-2	FACW-	Nt SHRUB	GRAY DOGWOOD
DAUCAR	*	Daucus carota	5	UPL	Ad B-FORB	QUEEN ANNE'S LACE
EQUARV	0	Equisetum arvense	0	FAC	CRYPTOGAM	HORSETAIL
ERIANS	0	Erigeron annuus	1	FAC-	Nt B-FORB	ANNUAL FLEABANE
ERIPHI	4	Erigeron philadelphicus	-3	FACW	Nt P-FORB	MARSH FLEABANE
EUPMAM	4	Eupatorium maculatum	-5	OBL	Nt P-FORB	SPOTTED JOE PYE WEED
EUPPER	4	Eupatorium perfoliatum	-4	FACW+	Nt P-FORB	COMMON BONESET
EUPRUG	4	Eupatorium rugosum	5	UPL	Nt P-FORB	WHITE SNAKEROOT
FESOBT	5	Festuca obtusa	2	FACU+	Nt P-GRASS	NODDING FESCUE
FRAVIR	1	Fragaria virginiana	1	FAC-	Nt P-FORB	WILD STRAWBERRY
GALAPA	1	Galium aparine	3	FACU	Nt A-FORB	ANNUAL BEDSTRAW
GALASP	10	Galium asprellum	-5	OBL	Nt P-FORB	ROUGH BEDSTRAW
GALBOR	7	Galium boreale	0	FAC	Nt P-FORB	NORTHERN BEDSTRAW
GEUCAN	1	Geum canadense	0	FAC	Nt P-FORB	WOOD AVENS
GLEHED	*	Glechoma hederacea	3	FACU	Ad P-FORB	CREEPING CHARLIE

GLYSTR	4	Glyceria striata	-3	[FACW]	Nt P-GRASS	FOWL MANNA GRASS
HACVIR	0	Hackelia virginiana	1	FAC-	Nt B-FORB	STICKSEED
HELAUT	5	Helenium autumnale	-4	FACW+	Nt P-FORB	SNEEZEWEED
HELGRO	2	Helianthus grosseserratus	-2	FACW-	Nt P-FORB	SAWTOOTH SUNFLOWER
HELHEL	5	Heliopsis helianthoides	5	UPL	Nt P-FORB	FALSE SUNFLOWER
HYPHIR	9	Hypoxis hirsuta	0	FAC	Nt P-FORB	YELLOW STAR GRASS
IMPCAP	3	Impatiens capensis	-3	FACW	Nt A-FORB	ORANGE JEWELWEED
IRIVIS	5	Iris virginica shrevei	-5	OBL	Nt P-FORB	BLUE FLAG
JUGNIG	5	Juglans nigra	3	FACU	Nt TREE	BLACK WALNUT
LATPAP	8	Lathyrus palustris	-3	FACW	Nt P-FORB	MARSH VETCHLING
LIASPI	6	Liatris spicata	0	FAC	Nt P-FORB	MARSH BLAZING STAR
LOBSIP	6	Lobelia siphilitica	-4	FACW+	Nt P-FORB	GREAT BLUE LOBELIA
LONMAA	*	Lonicera maackii	5	UPL	Ad SHRUB	AMUR HONEYSUCKLE
LONBEL	*	Lonicera X bella	4	FACU-	Ad SHRUB	SHOWY FLY HONEYSUCKLE
LYCALB	*	Lychnis alba	5	UPL	Ad A-FORB	WHITE CAMPION
LYCAME	5	Lycopus americanus	-5	OBL	Nt P-FORB	COMMON WATER HOREHOUND
MENARV	5	Mentha arvensis villosa	-5	[OBL]	Nt P-FORB	WILD MINT
MONFIS	4	Monarda fistulosa	3	FACU	Nt P-FORB	WILD BERGAMOT
NASOFF	*	Nasturtium officinale	-5	OBL	Ad P-FORB	WATER CRESS
OXAEUR	0	Oxalis europaea	3	FACU	Nt P-FORB	TALL WOOD SORREL
OXYRIG	7	Oxypolis rigidior	-5	OBL	Nt P-FORB	COWBANE
PARQUI	2	Parthenocissus quinquefolia	1	FAC-	Nt W-VINE	VIRGINIA CREEPER
PASSAT	*	Pastinaca sativa	5	UPL	Ad B-FORB	WILD PARSNIP
PENDIG	4	Penstemon digitalis	1	FAC-	Nt P-FORB	FOXGLOVE BEARD TONGUE
POAPRA	*	Poa pratensis	1	FAC-	Ad P-GRASS	KENTUCKY BLUE GRASS
POLSCN	1	Polygonum scandens	0	FAC	Nt H-VINE	CLIMBING FALSE BUCKWHEAT
PRUVLA	0	Prunella vulgaris lanceolata	3	[FACU]	Nt P-FORB	SELF HEAL
PRUSER	1	Prunus serotina	3	FACU	Nt TREE	WILD BLACK CHERRY
PYCVIR	5	Pycnanthemum virginianum	-4	FACW+	Nt P-FORB	COMMON MOUNTAIN MINT
QUERUB	7	Quercus rubra	3	FACU	Nt TREE	RED OAK
RANREC	5	Ranunculus recurvatus	-3	FACW	Nt A-FORB	HOOKED BUTTERCUP
RHACAT	*	Rhamnus cathartica	3	FACU	Ad SHRUB	COMMON BUCKTHORN
RHAFRA	*	Rhamnus frangula	-1	FAC+	Ad SHRUB	GLOSSY BUCKTHORN
RIBAME	7	Ribes americanum	-3	FACW	Nt SHRUB	WILD BLACK CURRANT
ROSMUL	*	Rosa multiflora	3	FACU	Ad SHRUB	MULTIFLORA ROSE
RUBOCC	2	Rubus occidentalis	5	UPL	Nt SHRUB	BLACK RASPBERRY
SALDIS	2	Salix discolor	-3	FACW	Nt SHRUB	PUSSY WILLOW
SILPER	5	Silphium perfoliatum	-2	FACW-	Nt P-FORB	CUP PLANT
SILTER	5	Silphium terebinthinaceum	3	FACU	Nt P-FORB	PRAIRIE DOCK
SOLALT	1	Solidago altissima	3	FACU	Nt P-FORB	TALL GOLDENROD
SOLGIG	4	Solidago gigantea	-3	FACW	Nt P-FORB	LATE GOLDENROD
SOLGRN	3	Solidago graminifolia nuttallii	0	[FAC]	Nt P-FORB	HAIRY GRASS-LEAVED GOLDENROD
STAPAH	5	Stachys palustris homotricha	-5	OBL	Nt P-FORB	WOUNDWORT
STATEH	5	Stachys tenuifolia hispida	-4	FACW+	Nt P-FORB	MARSH HEDGE NETTLE
THADAD	5	Thalictrum dasycarpum	-2	FACW-	Nt P-FORB	PURPLE MEADOW RUE
TRIPER	5	Triosteum perfoliatum	5	UPL	Nt P-FORB	LATE HORSE GENTIAN
URTPRO	2	Urtica procera	-1	FAC+	Nt P-FORB	TALL NETTLE
VERHAS	4	Verbena hastata	-4	FACW+	Nt P-FORB	BLUE VERVAIN
VERURU	5	Verbena urticifolia	5	UPL	Nt P-FORB	HAIRY WHITE VERVAIN
VIBLEN	5	Viburnum lentago	-1	FAC+	Nt SHRUB	NANNYBERRY
VIBOPU	*	Viburnum opulus	3	[FACU]	Ad SHRUB	EUROPEAN HIGHBUSH CRANBERRY
ZIZAUR	7	Zizia aurea	-1	FAC+	Nt P-FORB	GOLDEN ALEXANDERS

Tauck Property

SITE: Tauck Property (survey concentrated on 3 wetlands)
LOCALE: McHenry County, Illinois
Gilbert and Susan Tauck
1304 Deerpass Road
Marengo, Illinois 60152
DATE July 26 and August 19, 2004
BY: Barbara Johnson, Susan Tauck, Steve Byers
FILE: Tauck-19Aug04

FLORISTIC QUALITY DATA

		NATIVE		84.8%	ADVENTIVE		15.2%
128	NATIVE SPECIES	10	Tree	6.6%	1	Tree	0.7%
151	Total Species	11	Shrub	7.3%	7	Shrub	4.6%
4.2	NATIVE MEAN C	6	W-Vine	4.0%	1	W-Vine	0.7%
3.5	W/Adventives	3	H-Vine	2.0%	0	H-Vine	0.0%
47.0	NATIVE FQI	60	P-Forb	39.7%	2	P-Forb	1.3%
43.3	W/Adventives	5	B-Forb	3.3%	5	B-Forb	3.3%
0.4	NATIVE MEAN W	13	A-Forb	8.6%	4	A-Forb	2.6%
0.7	W/Adventives	9	P-Grass	6.0%	2	P-Grass	1.3%
AVG:	FACULTATIVE	1	A-Grass	0.7%	1	A-Grass	0.7%
		10	P-Sedge	6.6%	0	P-Sedge	0.0%
		0	A-Sedge	0.0%	0	A-Sedge	0.0%
		0	Cryptogam	0.0%			

INVENTORY DATA

ACRONYM	C	SCIENTIFIC NAME	W	WETNESS	PHYSIOG.	COMMON NAME
ACARHO	0	Acalypha rhomboidea	3	FACU	Nt A-FORB	THREE-SEEDED MERCURY
ACENEG	0	Acer negundo	-2	FACW-	Nt TREE	BOX ELDER
AGRGRY	2	Agrimonia gryposepala	2	FACU+	Nt P-FORB	TALL AGRIMONY
AGRPUB	5	Agrimonia pubescens	5	UPL	Nt P-FORB	SOFT AGRIMONY
ALLTRB	6	Allium tricoccum burdickii	3	[FACU]	Nt P-FORB	BURDICK'S LEEK
AMBARE	0	Ambrosia artemisiifolia elatior	3	FACU	Nt A-FORB	COMMON RAGWEED
AMPBRC	5	Amphicarpaea bracteata comosa	-3	[FACW]	Nt H-VINE	LOWLAND HOG PEANUT
ANEVIR	5	Anemone virginiana	5	UPL	Nt P-FORB	TALL ANEMONE
APIAME	7	Apios americana	-3	FACW	Nt P-FORB	GROUND NUT
ARAGLA	6	Arabis glabra	5	UPL	Nt B-FORB	TOWER MUSTARD
ARITRI	4	Arisaema triphyllum	-2	FACW-	Nt P-FORB	JACK-IN-THE-PULPIT
ASTLAT	4	Aster lateriflorus	-2	FACW-	Nt P-FORB	SIDE-FLOWERING ASTER
ASTSAD	2	Aster sagittifolius drummondii	3	[FACU]	Nt P-FORB	DRUMMOND'S ASTER
ASTSHO	8	Aster shortii	5	UPL	Nt P-FORB	SHORT'S ASTER
BARVUL	*	Barbarea vulgaris	0	FAC	Ad B-FORB	YELLOW ROCKET
BERTHU	*	Berberis thunbergii	4	FACU-	Ad SHRUB	JAPANESE BARBERRY
BIDFRO	1	Bidens frondosa	-3	FACW	Nt A-FORB	COMMON BEGGAR'S TICKS
CAMAME	3	Campanula americana	0	FAC	Nt A-FORB	TALL BELLFLOWER
CXBLAN	1	Carex blanda	0	FAC	Nt P-SEDGE	COMMON WOOD SEDGE
CXCEPP	3	Carex cephalophora	3	FACU	Nt P-SEDGE	SHORT-HEADED BRACTED SEDGE
CXGRAL	10	Carex gracillima	2	FACU+	Nt P-SEDGE	PURPLE-SHEATHED GRACEFUL SEDGE
CXGRIS	2	Carex grisea	1	[FAC-]	Nt P-SEDGE	WOOD GRAY SEDGE
CXLUPN	7	Carex lupulina	-5	OBL	Nt P-SEDGE	COMMON HOP SEDGE
CXNORM	5	Carex normalis	0	[FAC]	Nt P-SEDGE	SPREADING OVAL SEDGE
CXRETR	10	Carex retrorsa	-5	OBL	Nt P-SEDGE	DEFLEXED BOTTLE-BRUSH SEDGE
CXROSE	4	Carex rosea	5	UPL	Nt P-SEDGE	CURLY-STYLED WOOD SEDGE
CXSPAR	3	Carex sparganioides	0	FAC	Nt P-SEDGE	LOOSE-HEADED BRACTED SEDGE
CXTENE	8	Carex tenera	1	[FAC-]	Nt P-SEDGE	NARROW-LEAVED OVAL SEDGE
CARCOR	7	Carya cordiformis	3	[FACU]	Nt TREE	BITTERNUT HICKORY

CEPOCC	5	Cephalanthus occidentalis	-5	OBL	Nt SHRUB	BUTTONBUSH
CERVUL	*	Cerastium vulgatum	3	FACU	Ad P-FORB	MOUSE-EAR CHICKWEED
CHEALB	*	Chenopodium album	1	FAC-	Ad A-FORB	LAMB'S QUARTERS
CIRLUC	1	Circaea lutetiana canadensis	3	FACU	Nt P-FORB	ENCHANTER'S NIGHTSHADE
CIRVUL	*	Cirsium vulgare	4	FACU-	Ad B-FORB	BULL THISTLE
COROBL	6	Cornus obliqua	-4	FACW+	Nt SHRUB	BLUE-FRUITED DOGWOOD
CORRAC	1	Cornus racemosa	-2	FACW-	Nt SHRUB	GRAY DOGWOOD
CORAME	5	Corylus americana	4	FACU-	Nt SHRUB	AMERICAN HAZELNUT
CRYCAN	2	Cryptotaenia canadensis	0	FAC	Nt P-FORB	HONEWORT
DAUCAR	*	Daucus carota	5	UPL	Ad B-FORB	QUEEN ANNE'S LACE
DESGLU	5	Desmodium glutinosum	5	UPL	Nt P-FORB	POINTED TICK TREFOIL
DIOVIL	7	Dioscorea villosa	1	FAC-	Nt H-VINE	WILD YAM
ELAUMB	*	Elaeagnus umbellata	5	UPL	Ad SHRUB	AUTUMN OLIVE
ELYVIL	5	Elymus villosus	3	FACU	Nt P-GRASS	SILKY WILD RYE
EPICOL	3	Epilobium coloratum	-5	OBL	Nt P-FORB	CINNAMON WILLOW HERB
EREHIE	2	Erechtites hieracifolia	3	FACU	Nt A-FORB	FIREWEED
ERIANS	0	Erigeron annuus	1	FAC-	Nt B-FORB	ANNUAL FLEABANE
ERICAN	0	Erigeron canadensis	1	FAC-	Nt A-FORB	HORSEWEED
EUOALA	*	Euonymus alatus	5	UPL	Ad SHRUB	BURNING BUSH
EUPMAM	4	Eupatorium maculatum	-5	OBL	Nt P-FORB	SPOTTED JOE PYE WEED
EUPPER	4	Eupatorium perfoliatum	-4	FACW+	Nt P-FORB	COMMON BONESET
FESOBT	5	Festuca obtusa	2	FACU+	Nt P-GRASS	NODDING FESCUE
FRAVIR	1	Fragaria virginiana	1	FAC-	Nt P-FORB	WILD STRAWBERRY
FRAPES	1	Fraxinus pennsylvanica subintegerrima	0	FAC	Nt TREE	GREEN ASH
GALCON	5	Galium concinnum	5	[UPL]	Nt P-FORB	SHINING BEDSTRAW
GALTRF	5	Galium triflorum	2	FACU+	Nt P-FORB	SWEET-SCENTED BEDSTRAW
GERMAC	4	Geranium maculatum	5	[UPL]	Nt P-FORB	WILD GERANIUM
GEUCAN	1	Geum canadense	0	FAC	Nt P-FORB	WOOD AVENS
GEULAT	2	Geum laciniatum trichocarpum	-3	FACW	Nt P-FORB	ROUGH AVENS
GLYSEP	8	Glyceria septentrionalis	-5	OBL	Nt P-GRASS	FLOATING MANNA GRASS
GLYSTR	4	Glyceria striata	-3	[FACW]	Nt P-GRASS	FOWL MANNA GRASS
GOOPUB	9	Goodyera pubescens	-1	FAC+	Nt P-FORB	RATTLESNAKE PLANTAIN
HACVIR	0	Hackelia virginiana	1	FAC-	Nt B-FORB	STICKSEED
HELHIR	5	Helianthus hirsutus	5	UPL	Nt P-FORB	HISPID SUNFLOWER
HYSPAT	5	Hystrix patula	5	UPL	Nt P-GRASS	BOTTLEBRUSH GRASS
LACCAN	2	Lactuca canadensis	2	FACU+	Nt B-FORB	WILD LETTUCE
LACSER	*	Lactuca serriola	0	FAC	Ad B-FORB	PRICKLY LETTUCE
LEEORY	4	Leersia oryzoides	-5	OBL	Nt P-GRASS	RICE CUT GRASS
LEEVIR	7	Leersia virginica	-3	FACW	Nt P-GRASS	WHITE GRASS
LEMTRI	7	Lemna trisulca	-5	OBL	Nt A-FORB	FORKED DUCKWEED
LILMIC	6	Lilium michiganense	-1	FAC+	Nt P-FORB	TURK'S CAP LILY
LIPLIL	6	Liparis lilifolia	4	FACU-	Nt P-FORB	PURPLE TWAYBLADE
LOBINF	4	Lobelia inflata	4	FACU-	Nt A-FORB	INDIAN TOBACCO
LOBSIP	6	Lobelia siphilitica	-4	FACW+	Nt P-FORB	GREAT BLUE LOBELIA
LONMAA	*	Lonicera maackii	5	UPL	Ad SHRUB	AMUR HONEYSUCKLE
LONPRO	7	Lonicera prolifera	5	UPL	Nt W-VINE	YELLOW HONEYSUCKLE
LONBEL	*	Lonicera X bella	4	FACU-	Ad SHRUB	SHOWY FLY HONEYSUCKLE
LYCALB	*	Lychnis alba	5	UPL	Ad A-FORB	WHITE CAMPION
LYCUNI	7	Lycopus uniflorus	-5	OBL	Nt P-FORB	NORTHERN BUGLE WEED
LYSCIL	4	Lysimachia ciliata	-3	FACW	Nt P-FORB	FRINGED LOOSESTRIFE
MEDLUP	*	Medicago lupulina	1	FAC-	Ad A-FORB	BLACK MEDICK
MELALB	*	Melilotus alba	3	FACU	Ad B-FORB	WHITE SWEET CLOVER
MENCAN	6	Menispermum canadense	-1	FAC+	Nt W-VINE	MOONSEED
MENARV	5	Mentha arvensis villosa	-5	[OBL]	Nt P-FORB	WILD MINT
MIMRIN	6	Mimulus ringens	-5	OBL	Nt P-FORB	MONKEY FLOWER
MORALB	*	Morus alba	0	FAC	Ad TREE	WHITE MULBERRY
MUHSCH	0	Muhlenbergia schreberi	3	[FACU]	Nt P-GRASS	NIMBLEWILL
OENBIE	0	Oenothera biennis	3	FACU	Nt B-FORB	COMMON EVENING PRIMROSE
OXAEUR	0	Oxalis europaea	3	FACU	Nt P-FORB	TALL WOOD SORREL
OXYRIG	7	Oxypolis rigidior	-5	OBL	Nt P-FORB	COWBANE
PANCAP	1	Panicum capillare	0	FAC	Nt A-GRASS	OLD WITCH GRASS
PANLAT	5	Panicum latifolium	3	FACU	Nt P-GRASS	BROAD-LEAVED PANIC GRASS
PARQUI	2	Parthenocissus quinquefolia	1	FAC-	Nt W-VINE	VIRGINIA CREEPER
PHAARU	*	Phalaris arundinacea	-4	FACW+	Ad P-GRASS	REED CANARY GRASS

PHRLEP	4	Phryma leptostachya	5	UPL	Nt P-FORB	LOPSEED
PILPUM	5	Pilea pumila	-3	FACW	Nt A-FORB	CLEARWEED
PLARUG	0	Plantago rugelii	0	FAC	Nt A-FORB	RED-STALKED PLANTAIN
POAPRA	*	Poa pratensis	1	FAC-	Ad P-GRASS	KENTUCKY BLUE GRASS
PODPEL	4	Podophyllum peltatum	3	FACU	Nt P-FORB	MAY APPLE
POLGVI	2	Polygonum virginianum	0	FAC	Nt P-FORB	WOODLAND KNOTWEED
POPGRA	6	Populus grandidentata	3	FACU	Nt TREE	LARGE-TOOTHED ASPEN
POPTRE	4	Populus tremuloides	0	FAC	Nt TREE	QUAKING ASPEN
PREALB	5	Prenanthes alba	3	FACU	Nt P-FORB	LION'S FOOT
PRUVLA	0	Prunella vulgaris lanceolata	3	[FACU]	Nt P-FORB	SELF HEAL
PRUSER	1	Prunus serotina	3	FACU	Nt TREE	WILD BLACK CHERRY
QUEALB	5	Quercus alba	0	FAC	Nt TREE	WHITE OAK
QUERUB	7	Quercus rubra	3	FACU	Nt TREE	RED OAK
RANABO	0	Ranunculus abortivus	-2	FACW-	Nt A-FORB	SMALL-FLOWERED BUTTERCUP
RANFLA	7	Ranunculus flabellaris	-5	OBL	Nt P-FORB	YELLOW WATER CROWFOOT
RANREC	5	Ranunculus recurvatus	-3	FACW	Nt A-FORB	HOOKED BUTTERCUP
RANSEP	5	Ranunculus septentrionalis	-4	FACW+	Nt P-FORB	SWAMP BUTTERCUP
RHACAT	*	Rhamnus cathartica	3	FACU	Ad SHRUB	COMMON BUCKTHORN
RHUGLA	1	Rhus glabra	5	UPL	Nt SHRUB	SMOOTH SUMAC
RHURAD	2	Rhus radicans	-1	FAC+	Nt W-VINE	POISON IVY
RIBAME	7	Ribes americanum	-3	FACW	Nt SHRUB	WILD BLACK CURRANT
ROSMUL	*	Rosa multiflora	3	FACU	Ad SHRUB	MULTIFLORA ROSE
RUBALL	3	Rubus allegheniensis	2	FACU+	Nt SHRUB	COMMON BLACKBERRY
RUBOCC	2	Rubus occidentalis	5	UPL	Nt SHRUB	BLACK RASPBERRY
SALNIG	4	Salix nigra	-5	OBL	Nt TREE	BLACK WILLOW
SAMCAN	1	Sambucus canadensis	-2	FACW-	Nt SHRUB	ELDERBERRY
SANGRE	2	Sanicula gregaria	-1	FAC+	Nt P-FORB	CLUSTERED BLACK SNAKEROOT
SCRMAR	4	Scrophularia marilandica	4	FACU-	Nt P-FORB	LATE FIGWORT
SCULAT	5	Scutellaria lateriflora	-5	OBL	Nt P-FORB	MAD-DOG SKULLCAP
SETFAB	*	Setaria faberi	2	FACU+	Ad A-GRASS	GIANT FOXTAIL
SIUSUA	7	Sium suave	-5	OBL	Nt P-FORB	TALL WATER PARSNIP
SMIRAC	3	Smilacina racemosa	3	FACU	Nt P-FORB	FEATHERY FALSE SOLOMON'S SEAL
SMISTE	5	Smilacina stellata	1	FAC-	Nt P-FORB	STARRY FALSE SOLOMON'S SEAL
SMIECI	5	Smilax ecirrhata	5	UPL	Nt P-FORB	UPRIGHT CARRION FLOWER
SMILAS	5	Smilax lasioneura	5	[UPL]	Nt H-VINE	COMMON CARRION FLOWER
SMITAH	5	Smilax tamnoides hispida	5	UPL	Nt W-VINE	BRISTLY CAT BRIER
SOLAME	0	Solanum americanum	4	FACU-	Nt A-FORB	BLACK NIGHTSHADE
SOLDUL	*	Solanum dulcamara	0	FAC	Ad W-VINE	BITTERSWEET NIGHTSHADE
SOLALT	1	Solidago altissima	3	FACU	Nt P-FORB	TALL GOLDENROD
SOLJUN	5	Solidago juncea	5	UPL	Nt P-FORB	EARLY GOLDENROD
SOLULM	5	Solidago ulmifolia	5	UPL	Nt P-FORB	ELM-LEAVED GOLDENROD
SYMFOE	8	Symplocarpus foetidus	-5	OBL	Nt P-FORB	SKUNK CABBAGE
TAROFF	*	Taraxacum officinale	3	FACU	Ad P-FORB	COMMON DANDELION
THADAD	5	Thalictrum dasycarpum	-2	FACW-	Nt P-FORB	PURPLE MEADOW RUE
THADIO	7	Thalictrum dioicum	2	FACU+	Nt P-FORB	EARLY MEADOW RUE
TORJAP	*	Torilis japonica	5	UPL	Ad A-FORB	JAPANESE HEDGE PARSLEY
TRIPER	5	Triosteum perfoliatum	5	UPL	Nt P-FORB	LATE HORSE GENTIAN
ULMAME	3	Ulmus americana	-2	FACW-	Nt TREE	AMERICAN ELM
UTRVUL	9	Utricularia vulgaris	-5	OBL	Nt P-FORB	GREAT BLADDERWORT
UVUGRA	7	Uvularia grandiflora	5	UPL	Nt P-FORB	BELLWORT
VERHAS	4	Verbena hastata	-4	FACW+	Nt P-FORB	BLUE VERVAIN
VERURU	5	Verbena urticifolia	5	UPL	Nt P-FORB	HAIRY WHITE VERVAIN
VERAME	10	Veronica americana	-5	OBL	Nt P-FORB	AMERICAN BROOKLIME
VIBLEN	5	Viburnum lentago	-1	FAC+	Nt SHRUB	NANNYBERRY
VIBPRU	5	Viburnum prunifolium	3	FACU	Nt SHRUB	BLACK HAW
VIOSOR	3	Viola sororia	1	FAC-	Nt P-FORB	COMMON BLUE VIOLET
VITRIP	2	Vitis riparia	-2	FACW-	Nt W-VINE	RIVERBANK GRAPE
ZIZAUR	7	Zizia aurea	-1	FAC+	Nt P-FORB	GOLDEN ALEXANDERS

Clemetsen Property

SITE: Clemetsen Property
LOCALE: McHenry County, Illinois
John and Timmie Clemetsen
19317 Stateline Road
Harvard, Illinois 60033
DATE: September 17, 2004
BY: Barbara Johnson, Brad Semel, Timmie and John Clemetsen, George Johnson
FILE: Clem-17Sep04

FLORISTIC QUALITY DATA

		NATIVE			ADVENTIVE		
150	NATIVE SPECIES	9	Tree	5.1%	0	Tree	0.0%
178	Total Species	12	Shrub	6.7%	4	Shrub	2.2%
4.5	NATIVE MEAN C	3	W-Vine	1.7%	1	W-Vine	0.6%
3.8	W/Adventives	3	H-Vine	1.7%	0	H-Vine	0.0%
54.7	NATIVE FQI	81	P-Forb	45.5%	7	P-Forb	3.9%
50.2	W/Adventives	4	B-Forb	2.2%	8	B-Forb	4.5%
-0.2	NATIVE MEAN W	17	A-Forb	9.5%	3	A-Forb	1.7%
0.2	W/Adventives	12	P-Grass	6.7%	3	P-Grass	1.7%
AVG:	FACULTATIVE	1	A-Grass	0.6%	2	A-Grass	1.1%
		4	P-Sedge	2.2%	0	P-Sedge	0.0%
		0	A-Sedge	0.0%	0	A-Sedge	0.0%
		4	Cryptogam	2.2%			

INVENTORY DATA

ACRONYM	C	SCIENTIFIC NAME	W	WETNESS	PHYSIOG.	COMMON NAME
ACARHO	0	Acalypha rhomboidea	3	FACU	Nt A-FORB	THREE-SEEDED MERCURY
ACHMIL	*	Achillea millefolium	3	FACU	Ad P-FORB	YARROW
AGRGRY	2	Agrimonia gryposepala	2	FACU+	Nt P-FORB	TALL AGRIMONY
AGRPUB	5	Agrimonia pubescens	5	UPL	Nt P-FORB	SOFT AGRIMONY
AGRALA	*	Agrostis alba	-3	FACW	Ad P-GRASS	REDTOP
ALLPET	*	Alliaria petiolata	0	FAC	Ad B-FORB	GARLIC MUSTARD
ALLCAN	2	Allium canadense	3	FACU	Nt P-FORB	WILD ONION
ALLCER	7	Allium cernuum	1	[FAC-]	Nt P-FORB	NODDING WILD ONION
AMBARE	0	Ambrosia artemisiifolia elatior	3	FACU	Nt A-FORB	COMMON RAGWEED
AMBTRI	0	Ambrosia trifida	-1	FAC+	Nt A-FORB	GIANT RAGWEED
AMPBRB	4	Amphicarpaea bracteata	0	FAC	Nt H-VINE	UPLAND HOG PEANUT
ANEVIR	5	Anemone virginiana	5	UPL	Nt P-FORB	TALL ANEMONE
ANGATR	7	Angelica atropurpurea	-5	OBL	Nt P-FORB	GREAT ANGELICA
ANTNEG	4	Antennaria neglecta	5	UPL	Nt P-FORB	CAT'S FOOT
APIAME	7	Apios americana	-3	FACW	Nt P-FORB	GROUND NUT
ARCMIN	*	Arctium minus	5	UPL	Ad B-FORB	COMMON BURDOCK
ARITRI	4	Arisaema triphyllum	-2	FACW-	Nt P-FORB	JACK-IN-THE-PULPIT
ASCSYR	0	Asclepias syriaca	5	UPL	Nt P-FORB	COMMON MILKWEED
ASTLAT	4	Aster lateriflorus	-2	FACW-	Nt P-FORB	SIDE-FLOWERING ASTER
ASTNOV	4	Aster novae-angliae	-3	FACW	Nt P-FORB	NEW ENGLAND ASTER
ASTONT	4	Aster ontarionis	0	FAC	Nt P-FORB	ONTARIO ASTER
ASTPIL	0	Aster pilosus	2	FACU+	Nt P-FORB	HAIRY ASTER
ASTPUP	8	Aster puniceus	-5	OBL	Nt P-FORB	BRISTLY ASTER
ASTPUF	7	Aster puniceus firmus	-5	OBL	Nt P-FORB	SHINING ASTER
ASTSAD	2	Aster sagittifolius drummondii	3	[FACU]	Nt P-FORB	DRUMMOND'S ASTER
ASTSHO	8	Aster shortii	5	UPL	Nt P-FORB	SHORT'S ASTER
ASTSIS	3	Aster simplex	-5	OBL	Nt P-FORB	PANICLED ASTER
ASTUMB	9	Aster umbellatus	-3	FACW	Nt P-FORB	FLAT-TOP ASTER
ATHFIM	8	Athyrium filix-femina michauxii	0	FAC	CRYPTOGAM	LADY FERN

BARVUL	*	Barbarea vulgaris	0	FAC	Ad B-FORB	YELLOW ROCKET
BIDCER	5	Bidens cernua	-5	OBL	Nt A-FORB	NODDING BUR MARIGOLD
BIDFRO	1	Bidens frondosa	-3	FACW	Nt A-FORB	COMMON BEGGAR'S TICKS
BROCIL	10	Bromus ciliatus	-5	[OBL]	Nt P-GRASS	FRINGED BROME
BROKAL	10	Bromus kalmii	0	FAC	Nt P-GRASS	PRAIRIE BROME
BROPUB	5	Bromus pubescens	2	FACU+	Nt P-GRASS	WOODLAND BROME
CALCAN	3	Calamagrostis canadensis	-5	OBL	Nt P-GRASS	BLUE JOINT GRASS
CAMAPA	8	Campanula aparinoides	-5	OBL	Nt P-FORB	MARSH BELLFLOWER
CARACA	*	Carduus acanthoides	5	UPL	Ad B-FORB	PLUMELESS THISTLE
CXHYST	5	Carex hystericina	-5	OBL	Nt P-SEDGE	PORCUPINE SEDGE
CXPENS	5	Carex pensylvanica	5	UPL	Nt P-SEDGE	COMMON OAK SEDGE
CXVULP	2	Carex vulpinoidea	-5	OBL	Nt P-SEDGE	BROWN FOX SEDGE
CAROVT	5	Carya ovata	3	FACU	Nt TREE	SHAGBARK HICKORY
CHEGLB	8	Chelone glabra	-5	OBL	Nt P-FORB	TURTLEHEAD
CHEALB	*	Chenopodium album	1	FAC-	Ad A-FORB	LAMB'S QUARTERS
CICMAC	6	Cicuta maculata	-5	OBL	Nt P-FORB	WATER HEMLOCK
CIRLUC	1	Circaea lutetiana canadensis	3	FACU	Nt P-FORB	ENCHANTER'S NIGHTSHADE
CIRARV	*	Cirsium arvense	5	UPL	Ad P-FORB	FIELD THISTLE
CIRMUT	10	Cirsium muticum	-5	OBL	Nt B-FORB	SWAMP THISTLE
CIRVUL	*	Cirsium vulgare	4	FACU-	Ad B-FORB	BULL THISTLE
CORRAC	1	Cornus racemosa	-2	FACW-	Nt SHRUB	GRAY DOGWOOD
CORAME	5	Corylus americana	4	FACU-	Nt SHRUB	AMERICAN HAZELNUT
CRAMOL	2	Crataegus mollis	4	FACU-	Nt TREE	DOWNY HAWTHORN
CUSGLO	7	Cuscuta glomerata	-3	[FACW]	Nt A-FORB	ROPE DODDER
DACGLO	*	Dactylis glomerata	3	FACU	Ad P-GRASS	ORCHARD GRASS
DAUCAR	*	Daucus carota	5	UPL	Ad B-FORB	QUEEN ANNE'S LACE
DIAARM	*	Dianthus armeria	5	UPL	Ad A-FORB	DEPTFORD PINK
DRYSPI	8	Dryopteris spinulosa	-2	FACW-	CRYPTOGAM	SPINULOSE SHIELD FERN
DRYTHP	6	Dryopteris thelypteris pubescens	-5	[OBL]	CRYPTOGAM	MARSH SHIELD FERN
ECHCRU	0	Echinochloa crusgalli	-3	FACW	Nt A-GRASS	BARNYARD GRASS
ECHLOB	5	Echinocystis lobata	-2	FACW-	Nt H-VINE	WILD CUCUMBER
ELYVIL	5	Elymus villosus	3	FACU	Nt P-GRASS	SILKY WILD RYE
ELYVIR	4	Elymus virginicus	-2	FACW-	Nt P-GRASS	VIRGINIA WILD RYE
EPICIL	3	Epilobium ciliatum	4	FACU-	Nt P-FORB	NORTHERN WILLOW HERB
EQUARV	0	Equisetum arvense	0	FAC	CRYPTOGAM	HORSETAIL
EREHIE	2	Erechtites hieracifolia	3	FACU	Nt A-FORB	FIREWEED
ERICAN	0	Erigeron canadensis	1	FAC-	Nt A-FORB	HORSEWEED
ERYYUC	9	Eryngium yuccifolium	-1	FAC+	Nt P-FORB	RATTLESNAKE MASTER
EUPMAM	4	Eupatorium maculatum	-5	OBL	Nt P-FORB	SPOTTED JOE PYE WEED
EUPPER	4	Eupatorium perfoliatum	-4	FACW+	Nt P-FORB	COMMON BONESET
EUPPUR	7	Eupatorium purpureum	5	UPL	Nt P-FORB	PURPLE JOE PYE WEED
EUPRUG	4	Eupatorium rugosum	5	UPL	Nt P-FORB	WHITE SNAKEROOT
FRAVIR	1	Fragaria virginiana	1	FAC-	Nt P-FORB	WILD STRAWBERRY
GALBOR	7	Galium boreale	0	FAC	Nt P-FORB	NORTHERN BEDSTRAW
GALCON	5	Galium concinnum	5	[UPL]	Nt P-FORB	SHINING BEDSTRAW
GALTRF	5	Galium triflorum	2	FACU+	Nt P-FORB	SWEET-SCENTED BEDSTRAW
GENAND	8	Gentiana andrewsii	-3	FACW	Nt P-FORB	BOTTLE GENTIAN
GENQUO	8	Gentiana quinquefolia occidentalis	0	FAC	Nt A-FORB	STIFF GENTIAN
GERMAC	4	Geranium maculatum	5	[UPL]	Nt P-FORB	WILD GERANIUM
GEUALS	7	Geum aleppicum strictum	-1	FAC+	Nt P-FORB	YELLOW AVENS
GEUCAN	1	Geum canadense	0	FAC	Nt P-FORB	WOOD AVENS
GLYSTR	4	Glyceria striata	-3	[FACW]	Nt P-GRASS	FOWL MANNA GRASS
HACVIR	0	Hackelia virginiana	1	FAC-	Nt B-FORB	STICKSEED
HELAUT	5	Helenium autumnale	-4	FACW+	Nt P-FORB	SNEEZEWEED
HELGRO	2	Helianthus grosseserratus	-2	FACW-	Nt P-FORB	SAWTOOTH SUNFLOWER
HYPPER	*	Hypericum perforatum	5	UPL	Ad P-FORB	COMMON ST. JOHN'S WORT
HYSPAT	5	Hystrix patula	5	UPL	Nt P-GRASS	BOTTLEBRUSH GRASS
IMPCAP	3	Impatiens capensis	-3	FACW	Nt A-FORB	ORANGE JEWELWEED
JUGNIG	5	Juglans nigra	3	FACU	Nt TREE	BLACK WALNUT
JUNDUD	4	Juncus dudleyi	0	[FAC]	Nt P-FORB	DUDLEY'S RUSH
JUNTOR	4	Juncus torreyi	-3	FACW	Nt P-FORB	TORREY'S RUSH
LACBIE	4	Lactuca biennis	0	FAC	Nt B-FORB	TALL BLUE LETTUCE
LACCAN	2	Lactuca canadensis	2	FACU+	Nt B-FORB	WILD LETTUCE
LACSER	*	Lactuca serriola	0	FAC	Ad B-FORB	PRICKLY LETTUCE

LEEORY	4	Leersia oryzoides	-5	OBL	Nt P-GRASS	RICE CUT GRASS
LEMMIO	5	Lemna minor	-5	OBL	Nt A-FORB	SMALL DUCKWEED
LEOCAR	*	Leonurus cardiaca	5	UPL	Ad P-FORB	MOTHERWORT
LESCAP	4	Lespedeza capitata	3	FACU	Nt P-FORB	ROUND-HEADED BUSH CLOVER
LIAASP	6	Liatris aspera	5	UPL	Nt P-FORB	ROUGH BLAZING STAR
LIASPI	6	Liatris spicata	0	FAC	Nt P-FORB	MARSH BLAZING STAR
LILMIC	6	Lilium michiganense	-1	FAC+	Nt P-FORB	TURK'S CAP LILY
LOBINF	4	Lobelia inflata	4	FACU-	Nt A-FORB	INDIAN TOBACCO
LOBSIP	6	Lobelia siphilitica	-4	FACW+	Nt P-FORB	GREAT BLUE LOBELIA
LONPRO	7	Lonicera prolifera	5	UPL	Nt W-VINE	YELLOW HONEYSUCKLE
LONBEL	*	Lonicera X bella	4	FACU-	Ad SHRUB	SHOWY FLY HONEYSUCKLE
LYCAME	5	Lycopus americanus	-5	OBL	Nt P-FORB	COMMON WATER HOREHOUND
LYCUNI	7	Lycopus uniflorus	-5	OBL	Nt P-FORB	NORTHERN BUGLE WEED
LYSQUR	9	Lysimachia quadriflora	-5	OBL	Nt P-FORB	NARROW-LEAVED LOOSESTRIFE
LYTALA	7	Lythrum alatum	-5	OBL	Nt P-FORB	WINGED LOOSESTRIFE
MENARV	5	Mentha arvensis villosa	-5	[OBL]	Nt P-FORB	WILD MINT
MIMRIN	6	Mimulus ringens	-5	OBL	Nt P-FORB	MONKEY FLOWER
MONFIS	4	Monarda fistulosa	3	FACU	Nt P-FORB	WILD BERGAMOT
MUHMEX	5	Muhlenbergia mexicana	-3	FACW	Nt P-GRASS	LEAFY SATIN GRASS
OXYRIG	7	Oxypolis rigidior	-5	OBL	Nt P-FORB	COWBANE
PARINT	8	Parthenium integrifolium	5	UPL	Nt P-FORB	WILD QUININE
PARQUI	2	Parthenocissus quinquefolia	1	FAC-	Nt W-VINE	VIRGINIA CREEPER
PENSED	5	Penthorum sedoides	-5	OBL	Nt P-FORB	DITCH STONECROP
PHAARU	*	Phalaris arundinacea	-4	FACW+	Ad P-GRASS	REED CANARY GRASS
PILPUM	5	Pilea pumila	-3	FACW	Nt A-FORB	CLEARWEED
PLARUG	0	Plantago rugelii	0	FAC	Nt A-FORB	RED-STALKED PLANTAIN
POLHYR	2	Polygonum hydropiper	-3	FACW	Nt A-FORB	WATER PEPPER
POLPEN	0	Polygonum pensylvanicum	-4	FACW+	Nt A-FORB	PINKWEED
POLPER	*	Polygonum persicaria	1	[FAC-]	Ad A-FORB	LADY'S THUMB
POPDEL	2	Populus deltoides	-1	FAC+	Nt TREE	EASTERN COTTONWOOD
POTNOD	7	Potamogeton nodosus	-5	OBL	Nt P-FORB	LONG-LEAVED PONDWEED
POTARU	9	Potentilla arguta	4	FACU-	Nt P-FORB	PRAIRIE CINQUEFOIL
POTREC	*	Potentilla recta	5	UPL	Ad P-FORB	UPRIGHT CINQUEFOIL
POTSIS	4	Potentilla simplex	4	FACU-	Nt P-FORB	COMMON CINQUEFOIL
PRUAME	5	Prunus americana	5	UPL	Nt TREE	WILD PLUM
PRUSER	1	Prunus serotina	3	FACU	Nt TREE	WILD BLACK CHERRY
PRUVIR	3	Prunus virginiana	3	[FACU]	Nt SHRUB	CHOKE CHERRY
PYCVIR	5	Pycnanthemum virginianum	-4	FACW+	Nt P-FORB	COMMON MOUNTAIN MINT
QUECOC	4	Quercus coccinea	5	UPL	Nt TREE	SCARLET OAK
QUEMAC	5	Quercus macrocarpa	1	FAC-	Nt TREE	BUR OAK
RHACAT	*	Rhamnus cathartica	3	FACU	Ad SHRUB	COMMON BUCKTHORN
RIBMIS	5	Ribes missouriense	5	UPL	Nt SHRUB	WILD GOOSEBERRY
ROSBLA	5	Rosa blanda	3	FACU	Nt SHRUB	EARLY WILD ROSE
ROSMUL	*	Rosa multiflora	3	FACU	Ad SHRUB	MULTIFLORA ROSE
RUBALL	3	Rubus allegheniensis	2	FACU+	Nt SHRUB	COMMON BLACKBERRY
RUBIDS	3	Rubus idaeus strigosus	4	FACU-	Nt SHRUB	RED RASPBERRY
RUBOCC	2	Rubus occidentalis	5	UPL	Nt SHRUB	BLACK RASPBERRY
RUDHIR	1	Rudbeckia hirta	3	FACU	Nt P-FORB	BLACK-EYED SUSAN
RUMORB	8	Rumex orbiculatus	-5	OBL	Nt P-FORB	GREAT WATER DOCK
SALAMY	5	Salix amygdaloides	-3	FACW	Nt TREE	PEACH-LEAVED WILLOW
SALDIS	2	Salix discolor	-3	FACW	Nt SHRUB	PUSSY WILLOW
SALINT	1	Salix interior	-5	OBL	Nt SHRUB	SANDBAR WILLOW
SAMCAN	1	Sambucus canadensis	-2	FACW-	Nt SHRUB	ELDERBERRY
SAXPEN	10	Saxifraga pensylvanica	-3	FACW	Nt P-FORB	SWAMP SAXIFRAGE
SCIATR	4	Scirpus atrovirens	-5	OBL	Nt P-SEDGE	DARK GREEN RUSH
SCRMAR	4	Scrophularia marilandica	4	FACU-	Nt P-FORB	LATE FIGWORT
SCUEPI	5	Scutellaria epilobiifolia	-5	OBL	Nt P-FORB	MARSH SKULLCAP
SETFAB	*	Setaria faberi	2	FACU+	Ad A-GRASS	GIANT FOXTAIL
SETGLA	*	Setaria glauca	0	FAC	Ad A-GRASS	YELLOW FOXTAIL
SMIRAC	3	Smilacina racemosa	3	FACU	Nt P-FORB	FEATHERY FALSE SOLOMON'S SEAL
SMISTE	5	Smilacina stellata	1	FAC-	Nt P-FORB	STARRY FALSE SOLOMON'S SEAL
SMILAS	5	Smilax lasioneura	5	[UPL]	Nt H-VINE	COMMON CARRION FLOWER
SOLAME	0	Solanum americanum	4	FACU-	Nt A-FORB	BLACK NIGHTSHADE
SOLDUL	*	Solanum dulcamara	0	FAC	Ad W-VINE	BITTERSWEET NIGHTSHADE

SOLALT	1	Solidago altissima	3	FACU	Nt P-FORB	TALL GOLDENROD
SOLFLE	7	Solidago flexicaulis	3	FACU	Nt P-FORB	BROAD-LEAVED GOLDENROD
SOLGIG	4	Solidago gigantea	-3	FACW	Nt P-FORB	LATE GOLDENROD
SOLULM	5	Solidago ulmifolia	5	UPL	Nt P-FORB	ELM-LEAVED GOLDENROD
SPAPEC	4	Spartina pectinata	-4	FACW+	Nt P-GRASS	PRAIRIE CORD GRASS
SPOHET	10	Sporobolus heterolepis	4	FACU-	Nt P-GRASS	PRAIRIE DROPSEED
STAPAH	5	Stachys palustris homotricha	-5	OBL	Nt P-FORB	WOUNDWORT
TAROFF	*	Taraxacum officinale	3	FACU	Ad P-FORB	COMMON DANDELION
TEUCAN	3	Teucrium canadense	-3	FACW	Nt P-FORB	GERMANDER
THAREV	6	Thalictrum revolutum	0	FAC	Nt P-FORB	WAXY MEADOW RUE
TRIPRA	*	Trifolium pratense	5	UPL	Ad P-FORB	RED CLOVER
TRIAUA	5	Triosteum aurantiacum	5	UPL	Nt P-FORB	EARLY HORSE GENTIAN
TRIPER	5	Triosteum perfoliatum	5	UPL	Nt P-FORB	LATE HORSE GENTIAN
URTPRO	2	Urtica procera	-1	FAC+	Nt P-FORB	TALL NETTLE
VERTHA	*	Verbascum thapsus	5	UPL	Ad B-FORB	COMMON MULLEIN
VERHAS	4	Verbena hastata	-4	FACW+	Nt P-FORB	BLUE VERVAIN
VERURU	5	Verbena urticifolia	5	UPL	Nt P-FORB	HAIRY WHITE VERVAIN
VERVIR	7	Veronicastrum virginicum	0	FAC	Nt P-FORB	CULVER'S ROOT
VIBLEN	5	Viburnum lentago	-1	FAC+	Nt SHRUB	NANNYBERRY
VIBOPU	*	Viburnum opulus	3	[FACU]	Ad SHRUB	EUROPEAN HIGHBUSH CRANBERRY
VITRIP	2	Vitis riparia	-2	FACW-	Nt W-VINE	RIVERBANK GRAPE

Johnson Pond

SITE: Johnson Driveway Pond
LOCALE: McHenry County, Illinois
George and Marilyn Johnson
9917 Reese Road
Harvard, Illinois 60033
DATE: September 17, 2004 (plus 3 dried specimens)
BY: Barbara Johnson, Brad Semel, George Johnson, Timmie Clemetsen
FILE: JPond-17Sep04

FLORISTIC QUALITY DATA

		NATIVE		92.9%	ADVENTIVE		7.1%
39	NATIVE SPECIES	2	Tree	4.8%	0	Tree	0.0%
42	Total Species	0	Shrub	0.0%	1	Shrub	2.4%
4.4	NATIVE MEAN C	0	W-Vine	0.0%	1	W-Vine	2.4%
4.1	W/Adventives	0	H-Vine	0.0%	0	H-Vine	0.0%
27.7	NATIVE FQI	19	P-Forb	45.2%	0	P-Forb	0.0%
26.7	W/Adventives	0	B-Forb	0.0%	0	B-Forb	0.0%
-3.7	NATIVE MEAN W	10	A-Forb	23.8%	0	A-Forb	0.0%
-3.5	W/Adventives	3	P-Grass	7.1%	1	P-Grass	2.4%
AVG:	FAC. WETLAND (+)	1	A-Grass	2.4%	0	A-Grass	0.0%
		3	P-Sedge	7.1%	0	P-Sedge	0.0%
		1	A-Sedge	2.4%	0	A-Sedge	0.0%
		0	Cryptogam	0.0%			

INVENTORY DATA

ACRONYM	C	SCIENTIFIC NAME	W	WETNESS	PHYSIOG.	COMMON NAME
ACARHO	0	Acalypha rhomboidea	3	FACU	Nt A-FORB	THREE-SEEDED MERCURY
ACESAI	0	Acer saccharinum	-3	FACW	Nt TREE	SILVER MAPLE
ACNALT	0	Acnida altissima	-5	OBL	Nt A-FORB	WATER HEMP
ALISUB	4	Alisma subcordatum	-5	OBL	Nt P-FORB	COMMON WATER PLANTAIN
ALOAEQ	6	Alopecurus aequalis	-5	OBL	Nt P-GRASS	SHORT-AWNED FOXTAIL
ASCINC	4	Asclepias incarnata	-5	OBL	Nt P-FORB	SWAMP MILKWEED
ASTLAT	4	Aster lateriflorus	-2	FACW-	Nt P-FORB	SIDE-FLOWERING ASTER
ASTPUF	7	Aster puniceus firmus	-5	OBL	Nt P-FORB	SHINING ASTER
BIDCER	5	Bidens cernua	-5	OBL	Nt A-FORB	NODDING BUR MARIGOLD
BIDFRO	1	Bidens frondosa	-3	FACW	Nt A-FORB	COMMON BEGGAR'S TICKS
CYPSTR	1	Cyperus strigosus	-3	FACW	Nt P-SEDGE	LONG-SCALED NUT SEDGE
ECHCRU	0	Echinochloa crusgalli	-3	FACW	Nt A-GRASS	BARNYARD GRASS
ELEOBT	3	Eleocharis obtusa	-5	OBL	Nt A-SEDGE	BLUNT SPIKE RUSH
EPICIL	3	Epilobium ciliatum	4	FACU-	Nt P-FORB	NORTHERN WILLOW HERB
EREHIE	2	Erechtites hieracifolia	3	FACU	Nt A-FORB	FIREWEED
ERICAN	0	Erigeron canadensis	1	FAC-	Nt A-FORB	HORSEWEED
EUPPER	4	Eupatorium perfoliatum	-4	FACW+	Nt P-FORB	COMMON BONESET
GALTRD	10	Galium trifidum	-5	[OBL]	Nt P-FORB	SMALL BEDSTRAW
GLYSEP	8	Glyceria septentrionalis	-5	OBL	Nt P-GRASS	FLOATING MANNA GRASS
LEEORY	4	Leersia oryzoides	-5	OBL	Nt P-GRASS	RICE CUT GRASS
LEMTRI	7	Lemna trisulca	-5	OBL	Nt A-FORB	FORKED DUCKWEED
LUDPOL	6	Ludwigia polycarpa	-5	OBL	Nt P-FORB	FALSE LOOSESTRIFE
LYSTHY	9	Lysimachia thyrsiflora	-5	OBL	Nt P-FORB	TUFTED LOOSESTRIFE
MENARV	5	Mentha arvensis villosa	-5	[OBL]	Nt P-FORB	WILD MINT
MIMRIN	6	Mimulus ringens	-5	OBL	Nt P-FORB	MONKEY FLOWER
PENSED	5	Penthorum sedoides	-5	OBL	Nt P-FORB	DITCH STONECROP
PHAARU	*	Phalaris arundinacea	-4	FACW+	Ad P-GRASS	REED CANARY GRASS
POLPEN	0	Polygonum pensylvanicum	-4	FACW+	Nt A-FORB	PINKWEED
PROPAC	6	Proserpinaca palustris crebra	-5	OBL	Nt P-FORB	MERMAID WEED

QUEMAC	5	Quercus macrocarpa	1	FAC-	Nt TREE	BUR OAK
RANLON	8	Ranunculus longirostris	-5	OBL	Nt P-FORB	WHITE WATER CROWFOOT
RANSCE	6	Ranunculus sceleratus	-5	OBL	Nt A-FORB	CURSED BUTTERCUP
RHAFRA	*	Rhamnus frangula	-1	FAC+	Ad SHRUB	GLOSSY BUCKTHORN
SAGGRA	9	Sagittaria graminea	-5	OBL	Nt P-FORB	GRASS-LEAVED ARROWHEAD
SAGLAT	4	Sagittaria latifolia	-5	OBL	Nt P-FORB	COMMON ARROWHEAD
SCIFLU	4	Scirpus fluviatilis	-5	OBL	Nt P-SEDGE	RIVER BULRUSH
SCIVAC	5	Scirpus validus creber	-5	OBL	Nt P-SEDGE	GREAT BULRUSH
SCULAT	5	Scutellaria lateriflora	-5	OBL	Nt P-FORB	MAD-DOG SKULLCAP
SOLDUL	*	Solanum dulcamara	0	FAC	Ad W-VINE	BITTERSWEET NIGHTSHADE
SPAEUR	6	Sparganium eurycarpum	-5	OBL	Nt P-FORB	COMMON BUR REED
SPIPOL	7	Spirodela polyrhiza	-5	OBL	Nt A-FORB	GREAT DUCKWEED
VERHAS	4	Verbena hastata	-4	FACW+	Nt P-FORB	BLUE VERVAIN

Blair Seeps and Prairie

SITE: Blair Seeps and Prairie
LOCALE: McHenry County, Illinois
along the west side of Reese Road north of Oak Grove Road
Harvard, Illinois
DATE: September 17 and 28, October 12
BY: Barbara Johnson, Brad Semel, George Johnson
FILE: Blair04-inv

FLORISTIC QUALITY DATA

		NATIVE		90.2%	ADVENTIVE		9.8%
83	NATIVE SPECIES	1	Tree	1.1%	0	Tree	0.0%
92	Total Species	5	Shrub	5.4%	1	Shrub	1.1%
5.0	NATIVE MEAN C	1	W-Vine	1.1%	0	W-Vine	0.0%
4.5	W/Adventives	2	H-Vine	2.2%	0	H-Vine	0.0%
45.8	NATIVE FQI	52	P-Forb	56.5%	3	P-Forb	3.3%
43.5	W/Adventives	2	B-Forb	2.2%	1	B-Forb	1.1%
-1.2	NATIVE MEAN W	5	A-Forb	5.4%	0	A-Forb	0.0%
-1.0	W/Adventives	8	P-Grass	8.7%	4	P-Grass	4.3%
AVG:	FACULTATIVE (+)	1	A-Grass	1.1%	0	A-Grass	0.0%
		2	P-Sedge	2.2%	0	P-Sedge	0.0%
		0	A-Sedge	0.0%	0	A-Sedge	0.0%
		4	Cryptogam	4.3%			

INVENTORY DATA

ACRONYM	C	SCIENTIFIC NAME	W	WETNESS	PHYSIOG.	COMMON NAME
ACHMIL	*	Achillea millefolium	3	FACU	Ad P-FORB	YARROW
AGRGRY	2	Agrimonia gryposepala	2	FACU+	Nt P-FORB	TALL AGRIMONY
AGRALA	*	Agrostis alba	-3	FACW	Ad P-GRASS	REDTOP
ALLCAN	2	Allium canadense	3	FACU	Nt P-FORB	WILD ONION
AMBARE	0	Ambrosia artemisiifolia elatior	3	FACU	Nt A-FORB	COMMON RAGWEED
AMBTRI	0	Ambrosia trifida	-1	FAC+	Nt A-FORB	GIANT RAGWEED
AMPBRB	4	Amphicarpaea bracteata	0	FAC	Nt H-VINE	UPLAND HOG PEANUT
ANDGER	5	Andropogon gerardii	1	FAC-	Nt P-GRASS	BIG BLUESTEM GRASS
ANDSCO	5	Andropogon scoparius	4	FACU-	Nt P-GRASS	LITTLE BLUESTEM GRASS
ASCINC	4	Asclepias incarnata	-5	OBL	Nt P-FORB	SWAMP MILKWEED
ASTLAT	4	Aster lateriflorus	-2	FACW-	Nt P-FORB	SIDE-FLOWERING ASTER
ASTNOV	4	Aster novae-angliae	-3	FACW	Nt P-FORB	NEW ENGLAND ASTER
ASTPIL	0	Aster pilosus	2	FACU+	Nt P-FORB	HAIRY ASTER
ASTPUF	7	Aster puniceus firmus	-5	OBL	Nt P-FORB	SHINING ASTER
ASTSIS	3	Aster simplex	-5	OBL	Nt P-FORB	PANICLED ASTER
BROCIL	10	Bromus ciliatus	-5	[OBL]	Nt P-GRASS	FRINGED BROME
CALCAN	3	Calamagrostis canadensis	-5	OBL	Nt P-GRASS	BLUE JOINT GRASS
CXSTRI	5	Carex stricta	-5	OBL	Nt P-SEDGE	COMMON TUSSOCK SEDGE
CHEGLB	8	Chelone glabra	-5	OBL	Nt P-FORB	TURTLEHEAD
CIRMUT	10	Cirsium muticum	-5	OBL	Nt B-FORB	SWAMP THISTLE
COMUMB	7	Comandra umbellata	3	FACU	Nt P-FORB	FALSE TOADFLAX
CORRAC	1	Cornus racemosa	-2	FACW-	Nt SHRUB	GRAY DOGWOOD
CRAMOL	2	Crataegus mollis	4	FACU-	Nt TREE	DOWNY HAWTHORN
DAUCAR	*	Daucus carota	5	UPL	Ad B-FORB	QUEEN ANNE'S LACE
DRYTHP	6	Dryopteris thelypteris pubescens	-5	[OBL]	CRYPTOGAM	MARSH SHIELD FERN
EQUARV	0	Equisetum arvense	0	FAC	CRYPTOGAM	HORSETAIL
EQUHYE	3	Equisetum hyemale	-2	FACW-	CRYPTOGAM	TALL SCOURING RUSH
EQULAE	2	Equisetum laevigatum	-3	FACW	CRYPTOGAM	SMOOTH SCOURING RUSH
EUPMAM	4	Eupatorium maculatum	-5	OBL	Nt P-FORB	SPOTTED JOE PYE WEED
FRAVIR	1	Fragaria virginiana	1	FAC-	Nt P-FORB	WILD STRAWBERRY

GENAND	8	Gentiana andrewsii	-3	FACW	Nt P-FORB	BOTTLE GENTIAN
GENCRI	10	Gentiana crinita	-4	FACW+	Nt A-FORB	FRINGED GENTIAN
GENPRO	9	Gentiana procera	-5	OBL	Nt A-FORB	SMALL FRINGED GENTIAN
GERMAC	4	Geranium maculatum	5	[UPL]	Nt P-FORB	WILD GERANIUM
HELGRO	2	Helianthus grosseserratus	-2	FACW-	Nt P-FORB	SAWTOOTH SUNFLOWER
HELLUX	5	Helianthus X luxurians	-3	FACW	Nt P-FORB	HYBRID SUNFLOWER
HELSTR	5	Helianthus strumosus	5	UPL	Nt P-FORB	PALE-LEAVED SUNFLOWER
JUNBRP	9	Juncus brachycephalus	-5	OBL	Nt P-FORB	SHORT-HEADED RUSH
JUNDUD	4	Juncus dudleyi	0	[FAC]	Nt P-FORB	DUDLEY'S RUSH
JUNNOO	6	Juncus nodosus	-5	OBL	Nt P-FORB	JOINT RUSH
JUNTOR	4	Juncus torreyi	-3	FACW	Nt P-FORB	TORREY'S RUSH
LIAASP	6	Liatris aspera	5	UPL	Nt P-FORB	ROUGH BLAZING STAR
LIAPYC	8	Liatris pycnostachya	1	FAC-	Nt P-FORB	PRAIRIE BLAZING STAR
LILMIC	6	Lilium michiganense	-1	FAC+	Nt P-FORB	TURK'S CAP LILY
LOBKAL	10	Lobelia kalmii	-5	OBL	Nt P-FORB	BOG LOBELIA
LYCAME	5	Lycopus americanus	-5	OBL	Nt P-FORB	COMMON WATER HOREHOUND
LYCUNI	7	Lycopus uniflorus	-5	OBL	Nt P-FORB	NORTHERN BUGLE WEED
LYSQUR	9	Lysimachia quadriflora	-5	OBL	Nt P-FORB	NARROW-LEAVED LOOSESTRIFE
LYTALA	7	Lythrum alatum	-5	OBL	Nt P-FORB	WINGED LOOSESTRIFE
MONFIS	4	Monarda fistulosa	3	FACU	Nt P-FORB	WILD BERGAMOT
MUHGLO	10	Muhlenbergia glomerata	-5	[OBL]	Nt P-GRASS	MARSH WILD TIMOTHY
MUHMEX	5	Muhlenbergia mexicana	-3	FACW	Nt P-GRASS	LEAFY SATIN GRASS
OENBIE	0	Oenothera biennis	3	FACU	Nt B-FORB	COMMON EVENING PRIMROSE
OXYRIG	7	Oxypolis rigidior	-5	OBL	Nt P-FORB	COWBANE
PANFLE	9	Panicum flexile	-4	FACW+	Nt A-GRASS	WIRY PANIC GRASS
PARGLA	10	Parnassia glauca	-5	OBL	Nt P-FORB	GRASS OF PARNASSUS
PHAARU	*	Phalaris arundinacea	-4	FACW+	Ad P-GRASS	REED CANARY GRASS
PHLPRA	*	Phleum pratense	3	FACU	Ad P-GRASS	TIMOTHY
POAPRA	*	Poa pratensis	1	FAC-	Ad P-GRASS	KENTUCKY BLUE GRASS
PYCVIR	5	Pycnanthemum virginianum	-4	FACW+	Nt P-FORB	COMMON MOUNTAIN MINT
RATPIN	4	Ratibida pinnata	5	UPL	Nt P-FORB	YELLOW CONEFLOWER
RHAFRA	*	Rhamnus frangula	-1	FAC+	Ad SHRUB	GLOSSY BUCKTHORN
RHYCAL	10	Rhynchospora capillacea	-5	OBL	Nt P-SEDGE	HAIR BEAK RUSH
ROSCAR	5	Rosa carolina	4	FACU-	Nt SHRUB	PASTURE ROSE
RUDHIR	1	Rudbeckia hirta	3	FACU	Nt P-FORB	BLACK-EYED SUSAN
RUDTRI	3	Rudbeckia triloba	1	FAC-	Nt A-FORB	BROWN-EYED SUSAN
SALINT	1	Salix interior	-5	OBL	Nt SHRUB	SANDBAR WILLOW
SAMCAN	1	Sambucus canadensis	-2	FACW-	Nt SHRUB	ELDERBERRY
SCUPAL	7	Scutellaria parvula leonardii	3	FACU	Nt P-FORB	SMALL SKULLCAP
SENPAU	6	Senecio pauperculus	-1	FAC+	Nt P-FORB	BALSAM RAGWORT
SILIND	5	Silphium integrifolium deamii	5	UPL	Nt P-FORB	DEAM'S ROSIN WEED
SISALB	7	Sisyrinchium albidum	3	FACU	Nt P-FORB	COMMON BLUE-EYED GRASS
SMIRAC	3	Smilacina racemosa	3	FACU	Nt P-FORB	FEATHERY FALSE SOLOMON'S SEAL
SMISTE	5	Smilacina stellata	1	FAC-	Nt P-FORB	STARRY FALSE SOLOMON'S SEAL
SMILAS	5	Smilax lasioneura	5	[UPL]	Nt H-VINE	COMMON CARRION FLOWER
SOLALT	1	Solidago altissima	3	FACU	Nt P-FORB	TALL GOLDENROD
SOLGIG	4	Solidago gigantea	-3	FACW	Nt P-FORB	LATE GOLDENROD
SOLGRG	4	Solidago graminifolia	-2	FACW-	Nt P-FORB	COMMON GRASS-LEAVED GOLDENROD
SOLGRN	3	Solidago graminifolia nuttallii	0	[FAC]	Nt P-FORB	HAIRY GRASS-LEAVED GOLDENROD
SOLRID	7	Solidago riddellii	-5	OBL	Nt P-FORB	RIDDELL'S GOLDENROD
SOLULI	10	Solidago uliginosa	-5	OBL	Nt P-FORB	BOG GOLDENROD
SONULI	*	Sonchus uliginosus	1	FAC-	Ad P-FORB	COMMON SOW THISTLE
SORNUT	5	Sorghastrum nutans	2	FACU+	Nt P-GRASS	INDIAN GRASS
SPAPEC	4	Spartina pectinata	-4	FACW+	Nt P-GRASS	PRAIRIE CORD GRASS
TAROFF	*	Taraxacum officinale	3	FACU	Ad P-FORB	COMMON DANDELION
THAREV	6	Thalictrum revolutum	0	FAC	Nt P-FORB	WAXY MEADOW RUE
VALCIL	10	Valeriana ciliata	-5	[OBL]	Nt P-FORB	COMMON VALERIAN
VERVIR	7	Veronicastrum virginicum	0	FAC	Nt P-FORB	CULVER'S ROOT
VIBLEN	5	Viburnum lentago	-1	FAC+	Nt SHRUB	NANNYBERRY
VIOSOR	3	Viola sororia	1	FAC-	Nt P-FORB	COMMON BLUE VIOLET
VITRIP	2	Vitis riparia	-2	FACW-	Nt W-VINE	RIVERBANK GRAPE
ZIZAUR	7	Zizia aurea	-1	FAC+	Nt P-FORB	GOLDEN ALEXANDERS

APPENDIX II

TRANSECT DATA

Boloria Meadows

SITE: Boloria Meadows
LOCALE: Fen Transect
DATE: July 27, 2004
BY: Barbara Johnson, Brad Semel
FILE: BolFen04-t1

TRANSECT DATA, QUADRAT

QUAD	MC	W/Ad	FQI	W/Ad	MW	W/Ad	NS	TS	MW SEQ	W/Ad
1	4.8	4.2	17.9	16.8	-2.9	-2.4	14	16	-2.5	-2.1
2	3.9	3.4	14.4	13.5	-2.1	-1.8	14	16	-2.8	-2.5
3	4.6	4.3	17.1	16.5	-3.3	-3.3	14	15	-2.8	-2.5
4	4.6	4.0	16.6	15.5	-2.9	-2.6	13	15	-3.0	-2.9
5	4.3	3.9	14.2	13.6	-2.9	-2.9	11	12	-3.0	-2.7
6	5.8	5.2	23.2	21.9	-3.2	-2.7	16	18	-3.2	-3.0
7	5.7	5.3	21.4	20.7	-3.4	-3.4	14	15	-3.5	-3.3
8	6.2	5.6	19.6	18.7	-3.8	-3.7	10	11	-3.7	-3.7
9	6.2	6.2	22.5	22.5	-4.0	-4.0	13	13	-4.0	-3.9
10	6.5	6.0	21.7	20.8	-4.2	-4.1	11	12	-4.0	-3.9
11	6.5	6.0	22.5	21.6	-3.9	-3.7	12	13	-4.0	-3.9
12	6.0	5.5	19.9	19.1	-4.0	-3.9	11	12	-3.8	-3.7
13	5.5	5.5	21.2	21.2	-3.5	-3.5	15	15	-4.0	-4.0
14	5.5	5.5	19.1	19.1	-4.6	-4.6	12	12	-4.1	-3.9
15	5.5	5.1	19.1	18.3	-4.2	-3.7	12	13	-4.1	-3.9
16	5.7	5.7	22.2	22.2	-3.3	-3.3	15	15	-3.9	-3.8
17	6.0	6.0	20.8	20.8	-4.2	-4.2	12	12	-3.9	-3.9
18	6.1	5.7	24.2	23.5	-4.1	-4.1	16	17	-4.2	-4.1
19	6.3	6.3	19.9	19.9	-4.1	-4.1	10	10	-4.1	-4.1
20	6.0	6.0	23.2	23.2	-4.1	-4.1	15	15	-3.9	-3.9
21	5.5	5.1	18.4	17.6	-3.5	-3.4	11	12	-4.0	-3.9
22	5.5	5.2	21.4	20.8	-4.4	-4.3	15	16	-4.1	-4.0
23	5.9	5.5	20.5	19.7	-4.4	-4.3	12	13	-4.4	-4.4
24	4.8	4.8	13.4	13.4	-4.5	-4.5	8	8	-4.2	-4.1
25	5.0	4.7	19.4	18.8	-3.5	-3.5	15	16	-4.2	-4.2
26	5.8	5.3	19.9	19.1	-4.7	-4.5	12	13	-4.1	-4.0
27	5.5	5.1	20.6	19.9	-4.0	-3.9	14	15	-4.3	-4.2
28	5.5	5.1	18.4	17.6	-4.4	-4.2	11	12	-4.1	-4.0
29	5.1	5.1	19.2	19.2	-3.9	-3.9	14	14	-4.1	-4.0
30	7.2	6.5	22.8	21.7	-4.1	-3.8	10	11	-4.0	-3.8
AVG	5.6	5.3	19.8	19.2	-3.8	-3.7	12.7	13.6		
STD	0.7	0.7	2.7	2.7	0.6	0.7	2.0	2.2		

TRANSECT DATA, AGGREGATE

C	NUMBER	
0	1	
1	2	
2	5	0 to 3
3	5	27.7%
4	12	
5	7	
6	2	4 to 7
7	6	57.4%
8	0	

47	NATIVE SPECIES
52	TOTAL SPECIES
4.9	NATIVE MEAN C
4.4	W/Adventives
33.7	NATIVE FQI
32.0	W/Adventives
-3.3	NATIVE MEAN W
-2.9	W/Adventives

9	3	8 to 10
10	4	14.9%

PHYSIOGNOMY

NATIVE	47	90.4%	ADVENTIVE	5	9.6%
Tree	2	3.8%	Tree	1	1.9%
Shrub	2	3.8%	Shrub	2	3.8%
W-Vine	0	0.0%	W-Vine	0	0.0%
H-Vine	0	0.0%	H-Vine	0	0.0%
P-Forb	26	50.0%	P-Forb	0	0.0%
B-Forb	1	1.9%	B-Forb	0	0.0%
A-Forb	1	1.9%	A-Forb	0	0.0%
P-Grass	6	11.5%	P-Grass	2	3.8%
A-Grass	0	0.0%	A-Grass	0	0.0%
P-Sedge	8	15.4%	P-Sedge	0	0.0%
A-Sedge	0	0.0%	A-Sedge	0	0.0%
Cryptogam	1	1.9%			

PHYSIOGNOMIC RELATIVE IMPORTANCE VALUES

PHYSIOG.	FRQ	COV	RFRQ	RCOV	RIV
Nt P-FORB	247	445	60.7	59.3	60.0
Nt P-SEDGE	62	118	15.2	15.7	15.5
Nt P-GRASS	37	100	9.1	13.3	11.2
Nt B-FORB	21	36	5.2	4.8	5.0
Ad P-GRASS	19	30	4.7	4.0	4.3
Nt SHRUB	9	9	2.2	1.2	1.7
CRYPTOGAM	3	3	0.7	0.4	0.6
Ad TREE	3	3	0.7	0.4	0.6
Ad SHRUB	3	3	0.7	0.4	0.6
Nt TREE	2	2	0.5	0.3	0.4
Nt A-FORB	1	1	0.2	0.1	0.2

SPECIES RELATIVE IMPORTANCE VALUES

SCIENTIFIC NAME	C	WETNESS	FRQ	COV	RFRQ	RCOV	RIV
Glyceria striata	4	[FACW]	29	91	7.1	12.1	9.6
Solidago gigantea	4	FACW	26	67	6.4	8.9	7.7
Carex stricta	5	OBL	28	63	6.9	8.4	7.6
Parnassia glauca	10	OBL	25	58	6.1	7.7	6.9
Aster puniceus firmus	7	OBL	26	52	6.4	6.9	6.7
Cirsium muticum	10	OBL	21	36	5.2	4.8	5.0
Lycopus americanus	5	OBL	20	35	4.9	4.7	4.8
Eupatorium maculatum	4	OBL	17	35	4.2	4.7	4.4
Agrostis alba	*	FACW	18	29	4.4	3.9	4.1
Juncus dudleyi	4	[FAC]	15	31	3.7	4.1	3.9
Solidago graminifolia nuttallii	3	[FAC]	19	21	4.7	2.8	3.7
Lycopus uniflorus	7	OBL	15	22	3.7	2.9	3.3
Solidago riddellii	7	OBL	15	20	3.7	2.7	3.2
Lysimachia quadriflora	9	OBL	13	24	3.2	3.2	3.2
Polygonum amphibium stipulaceum	4	OBL	12	17	2.9	2.3	2.6
Lythrum alatum	7	OBL	11	18	2.7	2.4	2.6
Carex hystericina	5	OBL	11	17	2.7	2.3	2.5
Solidago altissima	1	FACU	8	10	2.0	1.3	1.6
Eleocharis erythropoda	2	OBL	7	11	1.7	1.5	1.6
Geum aleppicum strictum	7	FAC+	7	9	1.7	1.2	1.5
Cornus racemosa	1	FACW-	7	7	1.7	0.9	1.3
Carex interior	10	OBL	5	9	1.2	1.2	1.2
Scirpus atrovirens	4	OBL	5	9	1.2	1.2	1.2
Carex granularis	4	FACW+	4	6	1.0	0.8	0.9

Liparis loeselii	7	FACW+	3	4	0.7	0.5	0.6
Equisetum arvense	0	FAC	3	3	0.7	0.4	0.6
Panicum implicatum	2	FAC-	3	3	0.7	0.4	0.6
Stachys palustris homotricha	5	OBL	3	3	0.7	0.4	0.6
Ulmus pumila	*	UPL	3	3	0.7	0.4	0.6
Solidago ohioensis	9	OBL	2	5	0.5	0.7	0.6
Pedicularis lanceolata	9	[OBL]	2	4	0.5	0.5	0.5
Leersia oryzoides	4	OBL	2	3	0.5	0.4	0.4
Rhamnus frangula	*	FAC+	2	2	0.5	0.3	0.4
Rhus vernix	10	OBL	2	2	0.5	0.3	0.4
Carex vulpinoidea	2	OBL	1	2	0.2	0.3	0.3
Juncus nodosus	6	OBL	1	2	0.2	0.3	0.3
Scutellaria epilobiifolia	5	OBL	1	2	0.2	0.3	0.3
Apocynum sibiricum	2	FAC+	1	1	0.2	0.1	0.2
Asclepias incarnata	4	OBL	1	1	0.2	0.1	0.2
Aster novae-angliae	4	FACW	1	1	0.2	0.1	0.2
Calamagrostis canadensis	3	OBL	1	1	0.2	0.1	0.2
Carex stipata	3	OBL	1	1	0.2	0.1	0.2
Epilobium coloratum	3	OBL	1	1	0.2	0.1	0.2
Impatiens capensis	3	FACW	1	1	0.2	0.1	0.2
Juniperus virginiana crebra	2	FACU	1	1	0.2	0.1	0.2
Liatris spicata	6	FAC	1	1	0.2	0.1	0.2
Panicum virgatum	5	FAC+	1	1	0.2	0.1	0.2
Poa compressa	*	FACU+	1	1	0.2	0.1	0.2
Pycnanthemum virginianum	5	FACW+	1	1	0.2	0.1	0.2
Rhamnus cathartica	*	FACU	1	1	0.2	0.1	0.2
Sphenopholis intermedia	4	FAC	1	1	0.2	0.1	0.2
Ulmus rubra	4	FAC	1	1	0.2	0.1	0.2
			407	750			

TRANSECT INVENTORY

ACRONYM	SCIENTIFIC NAME	COMMON NAME
AGRALA	Agrostis alba	REDTOP
APOSIB	Apocynum sibiricum	PRAIRIE INDIAN HEMP
ASCINC	Asclepias incarnata	SWAMP MILKWEED
ASTNOV	Aster novae-angliae	NEW ENGLAND ASTER
ASTPUF	Aster puniceus firmus	SHINING ASTER
CALCAN	Calamagrostis canadensis	BLUE JOINT GRASS
CXGRAN	Carex granularis	PALE SEDGE
CXHYST	Carex hystericina	PORCUPINE SEDGE
CXINTE	Carex interior	PRAIRIE STAR SEDGE
CXSTIP	Carex stipata	COMMON FOX SEDGE
CXSTRI	Carex stricta	COMMON TUSSOCK SEDGE
CXVULP	Carex vulpinoidea	BROWN FOX SEDGE
CIRMUT	Cirsium muticum	SWAMP THISTLE
CORRAC	Cornus racemosa	GRAY DOGWOOD
ELEERY	Eleocharis erythropoda	RED-ROOTED SPIKE RUSH
EPICOL	Epilobium coloratum	CINNAMON WILLOW HERB
EQUARV	Equisetum arvense	HORSETAIL
EUPMAM	Eupatorium maculatum	SPOTTED JOE PYE WEED
GEUALS	Geum aleppicum strictum	YELLOW AVENS
GLYSTR	Glyceria striata	FOWL MANNA GRASS
IMPCAP	Impatiens capensis	ORANGE JEWELWEED
JUNDUD	Juncus dudleyi	DUDLEY'S RUSH
JUNNOO	Juncus nodosus	JOINT RUSH
JUNVIC	Juniperus virginiana crebra	RED CEDAR
LEEORY	Leersia oryzoides	RICE CUT GRASS
LIASPI	Liatris spicata	MARSH BLAZING STAR
LIPLOE	Liparis loeselii	GREEN TWAYBLADE
LYCAME	Lycopus americanus	COMMON WATER HOREHOUND
LYCUNI	Lycopus uniflorus	NORTHERN BUGLE WEED
LYSQUR	Lysimachia quadriflora	NARROW-LEAVED LOOSESTRIFE

LYTALA	Lythrum alatum	WINGED LOOSESTRIFE
PANIMP	Panicum implicatum	OLD-FIELD PANIC GRASS
PANVIR	Panicum virgatum	SWITCH GRASS
PARGLA	Parnassia glauca	GRASS OF PARNASSUS
PEDLAN	Pedicularis lanceolata	FEN BETONY
POACOM	Poa compressa	CANADA BLUE GRASS
POLAMS	Polygonum amphibium stipulaceum	WATER KNOTWEED
PYCVIR	Pycnanthemum virginianum	COMMON MOUNTAIN MINT
RHACAT	Rhamnus cathartica	COMMON BUCKTHORN
RHAFRA	Rhamnus frangula	GLOSSY BUCKTHORN
RHUVER	Rhus vernix	POISON SUMAC
SCIATR	Scirpus atrovirens	DARK GREEN RUSH
SCUEPI	Scutellaria epilobiifolia	MARSH SKULLCAP
SOLALT	Solidago altissima	TALL GOLDENROD
SOLGIG	Solidago gigantea	LATE GOLDENROD
SOLGRN	Solidago graminifolia nuttallii	HAIRY GRASS-LEAVED GOLDENROD
SOLOHI	Solidago ohioensis	OHIO GOLDENROD
SOLRID	Solidago riddellii	RIDDELL'S GOLDENROD
SPHINT	Sphenopholis intermedia	SLENDER WEDGE GRASS
STAPAH	Stachys palustris homotricha	WOUNDWORT
ULMPUM	Ulmus pumila	SIBERIAN ELM
ULMRUB	Ulmus rubra	SLIPPERY ELM

TRANSECT STRING

>		CXSTRI	2	CIRMUT	2	SOLRID	2	SOLGRN	1	SOLGIG	2
QUAD	1	EUPMAM	2	CXGRAN	1	>		>		SOLRID	2
ACRONYM	COVER	GLYSTR	2	CXSTRI	2	QUAD	9	QUAD	12	>	
AGRALA	3	JUNDUD	2	GEUALS	2	ACRONYM	COVER	ACRONYM	COVER	QUAD	15
CIRMUT	2	LYCAME	1	GLYSTR	4	ASTPUF	2	AGRALA	1	ACRONYM	COVER
CORRAC	1	PARGLA	1	LIPLOE	2	CIRMUT	1	ASTPUF	3	ASTPUF	3
CXSTRI	2	SCIATR	2	LYCUNI	3	CORRAC	1	CIRMUT	1	CXSTRI	2
CXVULP	2	SOLALT	2	LYSQUR	3	CXINTE	1	CORRAC	1	EUPMAM	3
EUPMAM	2	SOLGIG	2	PANIMP	1	CXSTRI	2	CXHYST	1	GLYSTR	3
GEUALS	2	>		PARGLA	3	EQUARV	1	EUPMAM	2	JUNNOO	2
GLYSTR	2	QUAD	4	SOLALT	2	GLYSTR	3	GEUALS	1	LYCAME	2
JUNDUD	3	ACRONYM	COVER	SOLGIG	2	LIPLOE	1	GLYSTR	4	LYCUNI	1
LIASPI	1	AGRALA	3	SOLRID	1	LYCAME	1	LYCAME	1	PARGLA	2
LYCUNI	1	ASCINC	1	SPHINT	1	LYSQUR	2	LYSQUR	2	POLAMS	1
PYCVIR	1	CXSTRI	2	STAPAH	1	PARGLA	3	PARGLA	2	RHACAT	1
SOLALT	1	EUPMAM	1	ULMPUM	1	SOLGIG	3	SOLGIG	3	SOLGIG	2
SOLGIG	3	JUNDUD	3	>		SOLOHI	3	>		SOLGRN	1
SOLRID	1	LIPLOE	1	QUAD	7	>		QUAD	13	SOLRID	1
ULMPUM	1	LYCAME	2	ACRONYM	COVER	QUAD	10	ACRONYM	COVER	>	
>		LYTALA	1	AGRALA	2	ACRONYM	COVER	CIRMUT	1	QUAD	16
QUAD	2	PANIMP	1	ASTPUF	2	AGRALA	1	CXHYST	1	ACRONYM	COVER
ACRONYM	COVER	PARGLA	1	CIRMUT	2	ASTPUF	1	CXSTRI	1	ASTPUF	1
AGRALA	3	POACOM	1	CXGRAN	3	CXSTRI	2	EUPMAM	2	CIRMUT	1
ASTPUF	2	SCIATR	1	CXSTRI	2	GLYSTR	4	GLYSTR	4	CXSTRI	3
CORRAC	1	SOLALT	1	EUPMAM	2	LYCUNI	2	JUNDUD	2	EUPMAM	3
CXSTIP	1	SOLGIG	2	GEUALS	1	LYSQUR	1	LEEORY	2	GEUALS	1
EQUARV	1	SOLGRN	1	GLYSTR	3	LYTALA	3	LYCAME	2	GLYSTR	3
GEUALS	1	>		LYCAME	1	PARGLA	1	LYSQUR	2	JUNVIC	1
GLYSTR	2	QUAD	5	LYCUNI	1	SOLGIG	3	LYTALA	1	LYCAME	1
JUNDUD	3	ACRONYM	COVER	LYSQUR	1	SOLGRN	1	PARGLA	1	LYCUNI	1
LYCUNI	1	AGRALA	2	PARGLA	3	SOLOHI	2	SOLALT	1	LYSQUR	2
PANIMP	1	ASTPUF	3	SOLALT	1	SOLRID	2	SOLGIG	3	PANVIR	1
SCIATR	3	CORRAC	1	SOLGIG	1	>		SOLGRN	1	PARGLA	1
SOLALT	1	CXGRAN	1	SOLGRN	1	QUAD	11	SOLRID	1	POLAMS	1
SOLGIG	3	CXSTRI	2	>		ACRONYM	COVER	>		SOLGIG	3
SOLGRN	1	EQUARV	1	QUAD	8	ASTPUF	2	QUAD	14	SOLGRN	1
SOLRID	2	GLYSTR	4	ACRONYM	COVER	CIRMUT	2	ACRONYM	COVER	>	
ULMPUM	1	JUNDUD	3	AGRALA	2	CXHYST	1	ASTPUF	3	QUAD	17
>		LYCAME	2	ASTPUF	3	CXSTRI	1	CXGRAN	1	ACRONYM	COVER
QUAD	3	PARGLA	1	CIRMUT	1	GEUALS	1	CXHYST	2	ASTPUF	2
ACRONYM	COVER	SOLGIG	2	CXSTRI	1	GLYSTR	4	CXSTRI	1	CIRMUT	2
AGRALA	2	SOLGRN	1	GLYSTR	4	LYCUNI	3	EUPMAM	2	CXHYST	1
APOSIB	1	>		JUNDUD	1	LYSQUR	1	GLYSTR	4	CXSTRI	3
ASTPUF	3	QUAD	6	LYCAME	2	LYTALA	1	LYCAME	2	EUPMAM	2
CALCAN	1	ACRONYM	COVER	LYTALA	2	PARGLA	2	LYTALA	1	GLYSTR	4
CIRMUT	2	AGRALA	1	PARGLA	3	RHAFRA	1	POLAMS	2	LYCUNI	1
CORRAC	1	ASTPUF	1	SOLGRN	1	SOLGIG	3	RHUVER	1	LYSQUR	2

PARGLA	2
POLAMS	3
SOLGIG	3
SOLGRN	1
>	
QUAD	18
ACRONYM	COVER
AGRALA	1
ASTPUF	1
CIRMUT	1
CXINTE	1
CXSTRI	3
ELEERY	3
GLYSTR	3
JUNDUD	2
LYCAME	2
LYSQUR	3
PARGLA	3
PEDLAN	2
POLAMS	2
SCIATR	2
SOLGIG	3
SOLGRN	1
SOLRID	1
>	
QUAD	19
ACRONYM	COVER
ASTPUF	1
CIRMUT	3
CXSTRI	4
GLYSTR	1
JUNDUD	2
LYCAME	2
LYCUNI	1
PARGLA	3
SOLGIG	3
SOLRID	1
>	
QUAD	20
ACRONYM	COVER
ASTPUF	2
CIRMUT	3
CXINTE	3
CXSTRI	3
ELEERY	2
GLYSTR	3
JUNDUD	2
LYCAME	2
LYCUNI	2
LYTALA	1
PARGLA	4
SOLGIG	3
SOLGRN	1
SOLRID	1
STAPAH	1
>	
QUAD	21
ACRONYM	COVER
AGRALA	1
ASTPUF	2
CIRMUT	2
CXHYST	1
CXSTRI	3
GLYSTR	4
JUNDUD	2
LYCAME	2
PARGLA	3
POLAMS	2
SOLGRN	2
ULMRUB	1
>	
QUAD	22
ACRONYM	COVER
AGRALA	1
ASTPUF	2
CIRMUT	1
CORRAC	1
CXHYST	1
CXINTE	2
CXSTRI	3
EUPMAM	3
GLYSTR	3
IMPCAP	1
LEEORY	1
LYCUNI	1
PARGLA	4
POLAMS	1
SOLGIG	3
STAPAH	1
>	
QUAD	23
ACRONYM	COVER
AGRALA	1
ASTPUF	2
CIRMUT	2
CXHYST	1
CXINTE	2
CXSTRI	1
ELEERY	2
EUPMAM	2
GLYSTR	2
LYCUNI	2
PARGLA	3
POLAMS	1
SOLGRN	1
>	
QUAD	24
ACRONYM	COVER
ASTPUF	2
CXSTRI	3
EUPMAM	2
GLYSTR	3
LYCAME	2
POLAMS	1
SCUEPI	2
SOLGIG	2
>	
QUAD	25
ACRONYM	COVER
AGRALA	1
ASTPUF	2
CIRMUT	2
CXHYST	2
CXSTRI	1
ELEERY	1
EUPMAM	2
GLYSTR	3
JUNDUD	1
LYCAME	3
PARGLA	4
POLAMS	1
SOLALT	1
SOLGIG	2
SOLGRN	2
SOLRID	1
>	
QUAD	26
ACRONYM	COVER
AGRALA	2
ASTPUF	2
CIRMUT	1
CXHYST	3
CXSTRI	2
ELEERY	1
EUPMAM	3
GLYSTR	2
LYTALA	4
PARGLA	3
POLAMS	1
SOLGIG	2
SOLRID	1
>	
QUAD	27
ACRONYM	COVER
AGRALA	1
ASTPUF	2
CXHYST	3
CXSTRI	1
EPICOL	1
EUPMAM	1
GLYSTR	4
JUNDUD	2
LYCAME	1
LYCUNI	1
LYSQUR	2
LYTALA	1
PARGLA	3
SOLGIG	3
SOLGRN	1
>	
QUAD	28
ACRONYM	COVER
AGRALA	1
ASTPUF	1
CIRMUT	2
CXSTRI	3
ELEERY	1
EUPMAM	1
GLYSTR	4
LYCAME	3
LYTALA	1
PARGLA	1
POLAMS	1
SOLGRN	1
>	
QUAD	29
ACRONYM	COVER
ASTNOV	1
ASTPUF	2
CXSTRI	4
ELEERY	1
GLYSTR	3
JUNDUD	2
LYCAME	1
LYCUNI	1
LYSQUR	2
LYTALA	2
SCIATR	1
SOLGIG	4
SOLGRN	1
SOLRID	2
>	
QUAD	30
ACRONYM	COVER
CIRMUT	2
CXSTRI	4
GLYSTR	2
JUNDUD	1
LYSQUR	1
PARGLA	1
PEDLAN	2
RHAFRA	1
RHUVER	1
SOLGIG	2
SOLRID	1

Blair Prairie

SITE: Blair Seeps and Prairie
LOCALE: Prairie Transect 1
DATE: October 12, 2004
BY: Barbara Johnson, Brad Semel
FILE: Blair04-t1

TRANSECT DATA, QUADRAT

QUAD	MC	W/Ad	FQI	W/Ad	MW	W/Ad	NS	TS	MW SEQ	W/Ad
1	4.9	4.9	17.0	17.0	0.1	0.1	12	12	0.0	0.0
2	5.5	5.5	19.1	19.1	0.0	0.0	12	12	-0.2	-0.2
3	5.1	5.1	19.0	19.0	-0.6	-0.6	14	14	-0.1	-0.1
4	4.4	4.0	14.5	13.9	0.2	0.4	11	12	-0.1	0.0
5	4.0	4.0	12.0	12.0	0.2	0.2	9	9	0.0	0.2
6	4.5	4.1	14.2	13.6	-0.3	0.0	10	11	-0.5	-0.4
7	5.1	5.1	15.3	15.3	-1.6	-1.6	9	9	-0.7	-0.6
8	4.3	4.3	13.6	13.6	-0.2	-0.2	10	10	-1.4	-1.4
9	4.6	4.6	14.5	14.5	-2.3	-2.3	10	10	-1.5	-1.5
10	4.3	4.3	13.6	13.6	-2.1	-2.1	10	10	-2.5	-2.5
11	5.1	4.5	13.6	12.7	-3.0	-3.0	7	8	-2.0	-2.0
12	4.8	4.8	16.0	16.0	-1.0	-1.0	11	11	-1.3	-1.3
13	5.4	5.4	15.2	15.2	0.0	0.0	8	8	-0.6	-0.4
14	5.9	5.2	16.6	15.7	-0.8	-0.3	8	9	-0.7	-0.5
15	5.1	5.1	14.5	14.5	-1.2	-1.2	8	8	-0.3	-0.2
16	5.2	5.2	14.8	14.8	1.0	1.0	8	8	-0.2	-0.2
17	5.1	5.1	15.3	15.3	-0.4	-0.4	9	9	0.5	0.5
18	5.0	4.2	11.2	10.2	1.0	1.0	5	6	0.2	0.2
19	4.7	4.7	11.4	11.4	0.0	0.0	6	6	0.6	0.6
20	4.4	4.4	11.7	11.7	0.7	0.7	7	7	0.4	0.4
AVG	4.9	4.7	14.7	14.5	-0.5	-0.5	9.2	9.4		
STD	0.5	0.5	2.1	2.2	1.1	1.1	2.1	2.1		

TRANSECT DATA, AGGREGATE

C	NUMBER	
0	1	
1	3	
2	4	0 to 3
3	5	31.0%
4	8	
5	11	
6	1	4 to 7
7	7	64.3%
8	2	
9	0	8 to 10
10	0	4.8%

42	NATIVE SPECIES
46	TOTAL SPECIES
4.4	NATIVE MEAN C
4.0	W/Adventives
28.4	NATIVE FQI
27.1	W/Adventives
-0.6	NATIVE MEAN W
-0.5	W/Adventives

PHYSIOGNOMY

NATIVE	42	91.3%	ADVENTIVE	4	8.7%
Tree	0	0.0%	Tree	0	0.0%
Shrub	3	6.5%	Shrub	0	0.0%
W-Vine	1	2.2%	W-Vine	0	0.0%
H-Vine	0	0.0%	H-Vine	0	0.0%
P-Forb	28	60.9%	P-Forb	2	4.3%
B-Forb	0	0.0%	B-Forb	0	0.0%
A-Forb	0	0.0%	A-Forb	0	0.0%

P-Grass	6	13.0%	P-Grass	2	4.3%
A-Grass	0	0.0%	A-Grass	0	0.0%
P-Sedge	1	2.2%	P-Sedge	0	0.0%
A-Sedge	0	0.0%	A-Sedge	0	0.0%
Cryptogam	3	6.5%			

PHYSIOGNOMIC RELATIVE IMPORTANCE VALUES

PHYSIOG.	FRQ	COV	RFRQ	RCOV	RIV
Nt P-FORB	111	210	58.7	54.4	56.6
Nt P-GRASS	34	78	18.0	20.2	19.1
Nt P-SEDGE	18	58	9.5	15.0	12.3
Nt SHRUB	16	30	8.5	7.8	8.1
CRYPTOGAM	4	4	2.1	1.0	1.6
Ad P-FORB	3	3	1.6	0.8	1.2
Ad P-GRASS	2	2	1.1	0.5	0.8
Nt W-VINE	1	1	0.5	0.3	0.4

SPECIES RELATIVE IMPORTANCE VALUES

SCIENTIFIC NAME	C	WETNESS	FRQ	COV	RFRQ	RCOV	RIV
Zizia aurea	7	FAC+	18	63	9.5	16.3	12.9
Carex stricta	5	OBL	18	58	9.5	15.0	12.3
Sorghastrum nutans	5	FACU+	10	27	5.3	7.0	6.1
Silphium integrifolium deamii	5	UPL	11	17	5.8	4.4	5.1
Rosa carolina	5	FACU-	8	19	4.2	4.9	4.6
Andropogon gerardii	5	FAC-	8	17	4.2	4.4	4.3
Pycnanthemum virginianum	5	FACW+	8	15	4.2	3.9	4.1
Solidago graminifolia	4	FACW-	6	16	3.2	4.1	3.7
Calamagrostis canadensis	3	OBL	6	15	3.2	3.9	3.5
Spartina pectinata	4	FACW+	6	14	3.2	3.6	3.4
Liatris pycnostachya	8	FAC-	7	11	3.7	2.8	3.3
Sisyrinchium albidum	7	FACU	6	12	3.2	3.1	3.1
Cornus racemosa	1	FACW-	6	9	3.2	2.3	2.8
Solidago gigantea	4	FACW	6	8	3.2	2.1	2.6
Solidago riddellii	7	OBL	5	6	2.6	1.6	2.1
Smilacina stellata	5	FAC-	4	7	2.1	1.8	2.0
Solidago altissima	1	FACU	4	7	2.1	1.8	2.0
Monarda fistulosa	4	FACU	4	6	2.1	1.6	1.8
Aster puniceus firmus	7	OBL	3	7	1.6	1.8	1.7
Helianthus strumosus	5	UPL	4	4	2.1	1.0	1.6
Thalictrum revolutum	6	FAC	4	4	2.1	1.0	1.6
Viola sororia	3	FAC-	4	4	2.1	1.0	1.6
Muhlenbergia mexicana	5	FACW	3	4	1.6	1.0	1.3
Rudbeckia hirta	1	FACU	3	4	1.6	1.0	1.3
Smilacina racemosa	3	FACU	2	5	1.1	1.3	1.2
Achillea millefolium	*	FACU	2	2	1.1	0.5	0.8
Equisetum hyemale	3	FACW-	2	2	1.1	0.5	0.8
Scutellaria parvula leonardii	7	FACU	2	2	1.1	0.5	0.8
Viburnum lentago	5	FAC+	2	2	1.1	0.5	0.8
Agrimonia gryposepala	2	FACU+	1	2	0.5	0.5	0.5
Lythrum alatum	7	OBL	1	2	0.5	0.5	0.5
Agrostis alba	*	FACW	1	1	0.5	0.3	0.4
Allium canadense	2	FACU	1	1	0.5	0.3	0.4
Andropogon scoparius	5	FACU-	1	1	0.5	0.3	0.4
Aster novae-angliae	4	FACW	1	1	0.5	0.3	0.4
Aster simplex	3	OBL	1	1	0.5	0.3	0.4
Aster lateriflorus	4	FACW-	1	1	0.5	0.3	0.4
Equisetum laevigatum	2	FACW	1	1	0.5	0.3	0.4
Equisetum arvense	0	FAC	1	1	0.5	0.3	0.4
Gentiana andrewsii	8	FACW	1	1	0.5	0.3	0.4
Juncus dudleyi	4	[FAC]	1	1	0.5	0.3	0.4

Juncus torreyi	4	FACW	1	1	0.5	0.3	0.4
Oxypolis rigidior	7	OBL	1	1	0.5	0.3	0.4
Poa pratensis	*	FAC-	1	1	0.5	0.3	0.4
Taraxacum officinale	*	FACU	1	1	0.5	0.3	0.4
Vitis riparia	2	FACW-	1	1	0.5	0.3	0.4
			189	386			

TRANSECT INVENTORY

ACRONYM	SCIENTIFIC NAME	COMMON NAME
ACHMIL	Achillea millefolium	YARROW
AGRGRY	Agrimonia gryposepala	TALL AGRIMONY
AGRALA	Agrostis alba	REDTOP
ALLCAN	Allium canadense	WILD ONION
ANDGER	Andropogon gerardii	BIG BLUESTEM GRASS
ANDSCO	Andropogon scoparius	LITTLE BLUESTEM GRASS
ASTLAT	Aster lateriflorus	SIDE-FLOWERING ASTER
ASTNOV	Aster novae-angliae	NEW ENGLAND ASTER
ASTPUF	Aster puniceus firmus	SHINING ASTER
ASTSIS	Aster simplex	PANICLED ASTER
CALCAN	Calamagrostis canadensis	BLUE JOINT GRASS
CXSTRI	Carex stricta	COMMON TUSSOCK SEDGE
CORRAC	Cornus racemosa	GRAY DOGWOOD
EQUARV	Equisetum arvense	HORSETAIL
EQUHYE	Equisetum hyemale	TALL SCOURING RUSH
EQULAE	Equisetum laevigatum	SMOOTH SCOURING RUSH
GENAND	Gentiana andrewsii	BOTTLE GENTIAN
HELSTR	Helianthus strumosus	PALE-LEAVED SUNFLOWER
JUNDUD	Juncus dudleyi	DUDLEY'S RUSH
JUNTOR	Juncus torreyi	TORREY'S RUSH
LIAPYC	Liatris pycnostachya	PRAIRIE BLAZING STAR
LYTALA	Lythrum alatum	WINGED LOOSESTRIFE
MONFIS	Monarda fistulosa	WILD BERGAMOT
MUHMEX	Muhlenbergia mexicana	LEAFY SATIN GRASS
OXYRIG	Oxypolis rigidior	COWBANE
POAPRA	Poa pratensis	KENTUCKY BLUE GRASS
PYCVIR	Pycnanthemum virginianum	COMMON MOUNTAIN MINT
ROSCAR	Rosa carolina	PASTURE ROSE
RUDHIR	Rudbeckia hirta	BLACK-EYED SUSAN
SCUPAL	Scutellaria parvula leonardii	SMALL SKULLCAP
SILIND	Silphium integrifolium deamii	DEAM'S ROSIN WEED
SISALB	Sisyrinchium albidum	COMMON BLUE-EYED GRASS
SMIRAC	Smilacina racemosa	FEATHERY FALSE SOLOMON'S SEAL
SMISTE	Smilacina stellata	STARRY FALSE SOLOMON'S SEAL
SOLALT	Solidago altissima	TALL GOLDENROD
SOLGIG	Solidago gigantea	LATE GOLDENROD
SOLGRG	Solidago graminifolia	COMMON GRASS-LEAVED GOLDENROD
SOLRID	Solidago riddellii	RIDDELL'S GOLDENROD
SORNUT	Sorghastrum nutans	INDIAN GRASS
SPAPEC	Spartina pectinata	PRAIRIE CORD GRASS
TAROFF	Taraxacum officinale	COMMON DANDELION
THAREV	Thalictrum revolutum	WAXY MEADOW RUE
VIBLEN	Viburnum lentago	NANNYBERRY
VIOSOR	Viola sororia	COMMON BLUE VIOLET
VITRIP	Vitis riparia	RIVERBANK GRAPE
ZIZAUR	Zizia aurea	GOLDEN ALEXANDERS

TRANSECT STRING

>	
QUAD	1
ACRONYM	COVER
ANDGER	1
ANDSCO	1
ASTSIS	1
CXSTRI	2
MONFIS	1
PYCVIR	1
ROSCAR	2
SILIND	1
SOLGIG	1
SORNUT	3
THAREV	1
ZIZAUR	4
>	
QUAD	2
ACRONYM	COVER
ANDGER	1
CXSTRI	2
LIAPYC	3
MONFIS	2
PYCVIR	1
ROSCAR	4
SCUPAL	1
SOLGIG	1
SORNUT	3
THAREV	1
VIBLEN	1
ZIZAUR	2
>	
QUAD	3
ACRONYM	COVER
ANDGER	2
CXSTRI	3
EQUARV	1
LIAPYC	1
MUHMEX	1
PYCVIR	3
ROSCAR	3
SISALB	1
SMISTE	2
SOLGIG	1
SORNUT	2
SPAPEC	1
THAREV	1
ZIZAUR	2
>	
QUAD	4
ACRONYM	COVER
ACHMIL	1
ANDGER	4
CXSTRI	4
EQUHYE	1
EQULAE	1
MONFIS	1
ROSCAR	3
SCUPAL	1
SILIND	2
SPAPEC	1
VIBLEN	1
VIOSOR	1
>	
QUAD	5
ACRONYM	COVER
ALLCAN	1
ANDGER	2
CALCAN	3
MONFIS	2
ROSCAR	1
SILIND	1
SOLGIG	2
SOLGRG	1
SPAPEC	3
>	
QUAD	6
ACRONYM	COVER
ANDGER	2
CALCAN	2
CXSTRI	4
EQUHYE	1
ROSCAR	3
SILIND	3
SMISTE	1
SOLGRG	3
TAROFF	1
VIOSOR	1
ZIZAUR	1
>	
QUAD	7
ACRONYM	COVER
ANDGER	4
CXSTRI	4
OXYRIG	1
ROSCAR	2
SMISTE	3
SOLGIG	2
SOLGRG	2
SPAPEC	2
ZIZAUR	2
>	
QUAD	8
ACRONYM	COVER
CALCAN	3
CORRAC	1
CXSTRI	4
ROSCAR	1
SILIND	2
SMISTE	1
SOLGRG	3
SORNUT	2
VIOSOR	1
ZIZAUR	4
>	
QUAD	9
ACRONYM	COVER
ASTLAT	1
CORRAC	1
CXSTRI	1
PYCVIR	2
SILIND	2
SOLGIG	1
SOLGRG	3
SOLRID	1
SPAPEC	3
ZIZAUR	4
>	
QUAD	10
ACRONYM	COVER
ASTNOV	1
ASTPUF	2
CALCAN	1
CORRAC	2
CXSTRI	2
SILIND	1
SOLGRG	4
SPAPEC	4
VIOSOR	1
ZIZAUR	4
>	
QUAD	11
ACRONYM	COVER
AGRALA	1
ASTPUF	2
CALCAN	4
CORRAC	2
CXSTRI	2
LIAPYC	1
PYCVIR	2
ZIZAUR	4
>	
QUAD	12
ACRONYM	COVER
ASTPUF	3
CALCAN	2
CORRAC	2
HELSTR	1
LYTALA	2
MUHMEX	2
RUDHIR	1
SILIND	1
SOLRID	1
SORNUT	3
ZIZAUR	4
>	
QUAD	13
ACRONYM	COVER
CORRAC	1
CXSTRI	4
HELSTR	1
LIAPYC	2
MUHMEX	1
SISALB	1
SORNUT	3
ZIZAUR	4
>	
QUAD	14
ACRONYM	COVER
ACHMIL	1
CXSTRI	3
GENAND	1
HELSTR	1
PYCVIR	2
SILIND	2
SOLRID	1
SORNUT	4
ZIZAUR	4
>	
QUAD	15
ACRONYM	COVER
CXSTRI	4
JUNTOR	1
PYCVIR	2
RUDHIR	2
SISALB	1
SOLRID	2
SORNUT	3
ZIZAUR	4
>	
QUAD	16
ACRONYM	COVER
CXSTRI	3
JUNDUD	1
LIAPYC	2
SILIND	1
SISALB	4
SOLALT	1
SORNUT	3
ZIZAUR	4
>	
QUAD	17
ACRONYM	COVER
ANDGER	1
CXSTRI	4
LIAPYC	1
PYCVIR	2
RUDHIR	1
SISALB	4
SOLALT	1
SOLRID	1
ZIZAUR	4
>	
QUAD	18
ACRONYM	COVER
CXSTRI	4
POAPRA	1
SILIND	1
SISALB	1
SOLALT	3
ZIZAUR	4
>	
QUAD	19
ACRONYM	COVER
CXSTRI	4
HELSTR	1
SMIRAC	1
THAREV	1
VITRIP	1
ZIZAUR	4
>	
QUAD	20
ACRONYM	COVER
AGRGRY	2
CXSTRI	4
LIAPYC	1
SMIRAC	4
SOLALT	2
SORNUT	1
ZIZAUR	4