



# Forest Preserve District

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## OF WILL COUNTY

*Bringing People and Nature Together*

### MEMORANDUM

TO: MEMBERS OF THE OPERATIONS COMMITTEE AND ALL OFFICERS OF THE FOREST PRESERVE DISTRICT OF WILL COUNTY

FROM: Marcella M. DeMauro, Executive Director

DATE: June 26, 2012

SUBJECT: 2011/2012 Deer Management Program Report

In August 2011, the Board of Commissioners authorized deer population control through the use of sharpshooting at eight forest preserves. The program again targeted the removal of female deer (does). Deer Population Control Permits were issued by the Illinois Department of Natural Resources (IDNR) to remove 250 deer. The permits were valid from December 5, 2011 to March 3, 2012. This 90 day permit period was modified to limit culling to Monday through Thursday only.

At the request of the Village of Homer Glen, the District delayed deer culling at Messenger Woods Nature Preserve and Messenger Marsh Preserve until an aerial survey could be completed to confirm deer numbers. Due to inadequate snow cover, the aerial survey was not done and no deer were removed from either site (82 were authorized through IDNR permits).

The District removed 99 white-tailed deer from 6 forest preserves representing 59% of the 168 deer authorized for removal. Removal targets were achieved at Braidwood Dunes and Savanna Nature Preserve, Lockport Prairie Nature Preserve, and Romeoville Prairie Nature Preserve, but were not met at the other three preserves.

The 2011/2012 Deer Management Program Summary Report presents information on the costs, implementation, and accomplishments of this program. The report also provides preliminary recommendations for continuation of the deer management program in 2012/2013. Upon completion of vegetation sampling this summer to document current year browse pressure at given preserves, staff will return to the Operations Committee in September with more specific recommendations for the 2012/2013 deer management program.

Memo to Members of the Operations Committee  
June 26, 2012  
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If you have any questions regarding this report, please feel free to contact me.

**Deer Management Program Summary Report  
2011/2012**

**For  
Illinois Department of Natural Resources  
Deer Population Control Permits:  
JMJO19 -11, JMJO20-11, JMJO21-11, JMJO22-11, JMJO23-11, JMJO24-11, JMJO25-11, JMJO26-11**

**Introduction**

In November 2010 the Forest Preserve Board of Commissioners (Board) approved the District's white-tailed deer management program and only authorized culling through sharpshooting as the method to control the deer population in forest preserves. The Board directed staff to return annually with the specific site recommendations based on an annual monitoring program designed to regularly assess vegetation impacts and deer numbers.

In August 2011 the Board approved the deer management at eight (8) forest preserves: Braidwood Dunes and Savanna Nature Preserve, Goodenow Grove Nature Preserve, Lockport Prairie Nature Preserve, McKinley Woods Preserve, Messenger Marsh Preserve, Messenger Woods Nature Preserve, Romeoville Prairie Nature Preserve, and Sand Ridge Savanna/Kankakee Sands Preserve. The program again targeted the removal of female deer (does) from the select forest preserves. Staff applied for and received eight Deer Population Control Permits through the Illinois Department of Natural Resources (IDNR) to remove 250 deer. The permits were valid from December 5, 2011 to March 3, 2012. This 90 day permit period was modified due to IDNR and District restrictions that limited culling to Monday through Thursday only.

In a letter dated October 27, 2011 the Village of Homer Glen requested that the District reconsider its decision to cull deer at Messenger Woods Nature Preserve and Messenger Marsh Preserve due to local opposition. The District agreed to delay the culling at these two preserves until an aerial survey could be completed to confirm the deer numbers. Due to inadequate snow cover and unfavorable weather conditions, District staff did not complete an aerial survey at Messenger Woods and Messenger Marsh Preserves. This resulted in no deer being removed from either site during the 2011/2012 winter season. The IDNR had authorized the removal of 82 deer from these two preserves. Thus, out of the 250 deer originally authorized for removal, the District targeted the culling of 168 deer from the remaining six preserves.

The District removed a total of 99 white-tailed deer from six forest preserves (Braidwood Dunes and Savanna Nature Preserve, Goodenow Grove Nature Preserve, Lockport Prairie Nature Preserve, McKinley Woods Preserve, Romeoville Prairie Nature Preserve, and Sand Ridge Savanna Nature Preserve) between December 5, 2011 and March 3, 2012 (Table 1). This represents 59% of the 168 deer the District targeted for culling. Removal targets were

achieved at Braidwood Dunes and Savanna Nature Preserve, Lockport Prairie Nature Preserve, and Romeoville Prairie Nature Preserve, but were not met at the other three preserves.

<b>Table 1 – Summary of Removal Goals and Deer Culled</b>				
<b>Preserve</b>	<b>2010/2011 Deer Culled</b>	<b>2011/2012 Removal Goal</b>	<b>2011/2012 Deer Culled</b>	<b>Removal Goal Met?</b>
Braidwood Dunes and Savanna	0	10	10	Met
Goodenow Grove	0	55	39	Not Met
Lockport Prairie	10	8	8	Met
McKinley Woods Preserve	75	45	16	Not Met
Messenger Marsh Preserve	0	55	0	Not Met
Messenger Woods	49	27	0	Not Met
Romeoville Prairie	0	5	5	Met
Sand Ridge Savanna / Kankakee Sands	0	45	21	Not Met
<b>TOTAL:</b>	<b>134</b>	<b>250</b>	<b>99</b>	

Before culling began at any of the permitted sites, stations (which were inspected and approved by IDNR) were baited with corn, typically the day before. To insure sharpshooters were set-up at the bait stations just prior to dusk and maximize their effectiveness, preserves scheduled for culling were closed at approximately 4:00 p.m. Once harvested, the deer were removed from the preserve and transported to a pole building at the Donahue Grove Forest Preserve for field dressing. All required data were collected at that time, including sex, size, weight, and gravidity. In addition, brain tissue samples were collected and shipped to the IDNR to be tested for Chronic Wasting Disease (CWD). Deer carcasses were generally stored for 48 to 72 hours in the walk-in cooler until they were transported from Donahue Grove Forest Preserve to be processed.

Freedom Sausage, Earlville, Illinois processed the 99 deer, yielding 4,455 pounds of venison. Northern Illinois Food Bank, St. Charles, Illinois received the ground venison for distribution to needy families in northeastern Illinois. Kaluzny Bros Inc., Joliet, Illinois, collected internal organs and waste materials for rendering. In the two years of the culling program, 10,485 pounds of venison has been provided to the Northern Illinois Food Bank.

### **Cost Analysis**

The deer management program was permitted for December 5, 2011 through March 3, 2012, allowing for a 90 day culling season. This gave 52 weekdays to cull, of which culling occurred on 39 days (Monday through Thursday only). The program was run with four patrol officers per night and six rotating volunteers.

2011 – 2012 Deer Management Program Summary Report  
June, 2012

Five District police officers participated on the sharpshooting team. Four officers worked from December 5<sup>th</sup>, 2011 to February 24<sup>th</sup>, 2012 on a sharpshooter shift, from 4:00pm – 12:00am, Monday through Thursday. These officers were replaced on their regular shifts by part-time patrol officers. Part-time patrol officers were also used to deliver the deer to Freedom Sausage, Earlville, IL, on several occasions. Below is a chart detailing the total cost of police staff utilized during the program. Attachment A presents a summary of deer culling activities by date and preserve.

Resource Management (RM) employees spent approximately 10 hours at the District’s deer processing site at Donohue Grove Preserve collecting data and helping with program implementation. Table 2 details the approximate staffing costs for 2011/2012.

*Staffing Costs:*

**Table 2 – 2011/2012 Deer Management Program Staffing Costs**

Officer		Hours		Hourly Wage		Totals
Officer 1	x	240	x	\$22.00	=	\$5,280.00
Officer 1 Overtime	x	8	x	\$33.00	=	\$264.00
Officer 2	x	8	x	\$22.78	=	\$182.24
Officer 3	x	312	x	\$19.59	=	\$6,112.08
Officer 3 Overtime	x	8	x	\$29.39	=	\$235.12
Officer 4	x	256	x	\$19.59	=	\$5,015.04
Officer 4 Overtime	x	16	x	\$29.39	=	\$470.24
Officer 5	x	272	x	\$22.83	=	\$6,209.76
Officer 5 Overtime	x	21	x	\$34.25	=	\$719.25
<b>Police Staffing Total</b>						<b>\$24,487.73</b>
<b>RM Staffing Total</b>						<b>\$204.75</b>
<b>Total Staffing Costs</b>						<b>\$24,692.48</b>

*Operational Costs:*

Ammunition and bait were purchased from local suppliers. Additional miscellaneous necessities purchased during the program included various tools, nuts and bolts, gloves, gutting tools, rifle equipment, etc. and added an additional cost of \$1,141.61. A summary of operational costs for 2011-2012 is available in Table 3.

The final cost per deer was \$309 including costs for Police Staffing, Operational Costs, and Resource Management staffing. Warm winter weather was a major factor to the cost per deer being higher than any of the proposed scenarios. Due to the mild winter, the ground did not freeze and there were other food sources available late into the winter. Deer were not as dependent on the bait stations as they were in 2010/2011. This resulted in fewer culling opportunities for the sharpshooters and required more staff time for each deer that was culled. The sharpshooters did not cull January 31<sup>st</sup> to February 13<sup>th</sup> due to unseasonably warm

weather and ended the program a week early due to the lack of deer present in the permitted locations.

**Table 3 – 2011/2012 Deer Management Program Operational Costs**

Vendor	Service	Quantity	Price per unit	Cost
Kaluzny Brothers Inc.	Rendering	8 pickups	\$50.00	\$400.00
Freedom Sausage	Processing	99 deer	\$31.00	\$3,069.00
Ray O’Herron’s	Ammunition	2 boxes	\$174.13	\$348.26
Walter Konow	Bait	2.75 pallets	\$350.00	\$962.50
Miscellaneous expenses				\$1,141.61
<b>Total</b>				<b>\$5,921.37</b>

$$\begin{array}{r}
 \text{Police Staffing} \\
 \$24,487.73
 \end{array}
 +
 \begin{array}{r}
 \text{RM Staffing} \\
 \$204.75
 \end{array}
 +
 \begin{array}{r}
 \text{Operational Costs} \\
 \$5,921.37
 \end{array}
 =
 \$30,613.85
 /
 \begin{array}{r}
 \text{Total Deer} \\
 99
 \end{array}
 =
 \begin{array}{r}
 \text{Cost per deer} \\
 \$309.23
 \end{array}$$

**Shots Fired**

During the deer management program there were 105 shots taken and 99 deer taken, at 94% accuracy. There were no injuries, unaccounted shots or injured deer leaving any of the preserves (see Attachment B for further details).

**Program Operational Problems and Suggestions**

A post-program meeting was held with the entire sharpshooting team to discuss what could be improved. Several factors limited the effectiveness of the culling season. The entire team agreed that the exceptionally mild winter and lack of snow cover had the single biggest impact on the program operation, since deer were not dependent on the bait stations and ate elsewhere. This past winter was viewed as an aberration, and typical winter conditions are expected to improve overall effectiveness of the program.

Sharpshooters also felt that the deer had become accustomed to their presence and were avoiding the culling areas when the sharpshooters were present. In one instance, sharpshooters observed many female deer across the road from the approved culling station, in a portion of the Kankakee Sands Preserve that was not originally included in the Operational Plan. Staff will be including larger habitat blocks in preserves in the recommendations for the 2012/2013 deer management program.

Sharpshooters saw mostly bucks, which were not culled as the program called for the removal of does. This phenomenon is partly attributable to a portion of the culling season that

coincided with the deer rut; female deer were run off the bait stations by the bucks. It may also be due, in part, to early signs of skewed sex ratios as a result of removing primarily does during the first two years of the program.

When the original Operational Plan was drafted in 2010, Staff indicated that targeting the removal of does in the initial years of the program was necessary but that modifications would be made based on monitoring of the results. While exclusively removing females in the initial years of deer management to lower deer population size and deer browse pressure most quickly should continue, excessively skewing the sex ratio is undesirable as it can create an unsustainable population with atypical behavioral and movement characteristics. Staff is reassessing the antlerless-only provision in the current Operational Plan, and will likely provide recommendations that allow for the preferential, not exclusive, removal of does for the 2012/2013 management season.

Staff used a different caliber round in the 2011/2012 deer management program. The IDNR mandated a neck shot when using a .223 round, which was used in the 2010/2011 program. Field experience showed that deer constantly moved their heads and necks. To allow for easier shoulder shots District sharpshooters switched to a .308 round. This was a more effective caliber.

The District received several complaints about closing the preserves early for the program. A majority of the complaints were about McKinley Woods. To assist with questions and concerns, an officer was assigned to site at the gate at McKinley Woods from 3:00 pm to 4:00 pm. This provided an extra safety measure for preserve users, allowing them to ask questions and voice their concerns.

### **Demographic Information**

Attachment C presents the age and gender characteristics of the animals removed from the preserves last year. This data are summarized as follows.

- Of the 99 deer removed, 43% were adults, 20% were yearlings, and 36% were fawns.
- Of the 99 deer removed, 67% were female, 32% were males.
- Of the 67 female deer removed, 34% were gravid, 66% were not.
- The average weight of all deer removed was 119.2 pounds.
- The average weight of all male deer removed was 108.2 pounds. The average weight of adult males was 170.0 pounds.
- The average weight of all female deer removed was 124.5 pounds. The average weight of adult females was 145.4 pounds.
- The majority (70%) of all gravid females removed were carrying two fetuses. Two had triplets, four had a single fetus, and data was missing from one pregnant female.

### **Chronic Wasting Disease**

The IDNR required tissue samples be taken for Chronic Wasting Disease (CWD) testing from all yearling and older deer taken from preserves in the western half of the county before they were processed. This requirement applied to Braidwood Dunes and Savanna Nature Preserve, Sand Ridge Savanna Nature Preserve, McKinley Woods Preserve, Romeoville Prairie Nature Preserve, and Lockport Prairie Nature Preserve. The samples obtained were shipped to Centralia IDOA lab, Centralia, Illinois. A total of 32 samples were shipped for CWD testing, but one sample from Lockport Prairie Nature Preserve was not testable since the salivary glands were mistakenly removed. All 31 samples tested were negative for CWD. Attachment D contains the complete collection, shipment and CWD testing results.

### **Deer Population and Habitat Monitoring**

The District has conducted aerial deer censuses in some preserves since 1993. These censuses are useful to roughly estimate deer population densities. However, the aerial censuses provide only a snapshot in time of the deer population, since deer move freely across our preserve borders within larger units of habitat. In addition, there is ongoing immigration and emigration, births and deaths, so the deer population size in a given area is continually changing.

Specific weather and ground conditions must be present to conduct aerial deer surveys. At least one inch of fresh snow over existing cover or three inches of new snow cover is preferred for highest deer visibility from the helicopter. In addition, the weather conditions must be conducive to safe helicopter operation (e.g., good visibility and not too high wind speeds). Beyond these constraints there are only a limited number of contractors who offer helicopter flights designed for scientific surveys, and a high level of demand under optimal conditions from other forest preserve districts, so contractor availability can be a limiting factor. Due to the mild winter and lack of snow cover, no aerial deer censuses were conducted at any preserve during the winter of 2011/2012. The most recent aerial population count and density data from 2010/2011 is presented in Attachments E and F, respectively.

In addition to aerial deer censuses, numerous studies on the effects of excessive deer browse have been conducted over the years at various preserves, including Goodenow Grove Nature Preserve, Messenger Woods Nature Preserve, Messenger Marsh Preserve, Sand Ridge Savanna Nature Preserve, McKinley Woods Preserve, Lockport Prairie Nature Preserve, Romeoville Prairie Nature Preserve, and Braidwood Dunes and Savanna Nature Preserve. These studies were comparative (examining the change in vegetation over time on large ecosystems), species-specific (focused on a single sensitive species), or were community-specific with regard to the composition and structure of woody and herbaceous growth within a given natural community. Data indicate significant deer browse pressure and very high deer densities in these preserves resulting in negative shifts in species composition, decreases in diversity, and an overall decline in the quality of these natural areas.



The IDNR does not require aerial deer censuses or population density estimates to issue Deer Population Control Permits. Rather, they require direct evidence of excessive deer browse on desirable native vegetation. To fulfill requirements of the IDNR permit application, District staff sampled vegetation from multiple deer browse plots at each of the deer management sites between mid-July and early August 2011. Within each 20-foot diameter circular plot, a plot specific focus list was compiled of native, desirable vegetation. Using the plot specific focus list, the amount and degree of deer browse was documented for each of the species. For many species surveyed, including several threatened or endangered species, more than half of the plants were browsed at high levels by deer. A summary of the deer browse data collected for the 2011 – 2012 IDNR permit application is provided in Attachment G.

Vegetation sampling will be conducted in July, 2012 to document the extent of deer browse pressure in sites proposed for deer management during the 2012/2013 season. This sampling will be done each year deer management at a given site is being proposed. Repeating this sampling will provide an excellent tool for assessing site recovery. Deer removal goals will be established based on deer density estimates coupled with field evidence on the level of deer browse damage.

Preserve wide floristic inventories and community mapping projects will continue to be repeated on roughly 10 year increments to document changes in species diversity and dominance along with shifts in community boundaries and structure to provide current data for developing management priorities. These inventories will also provide an excellent tool for documenting site recovery and modification of deer management goals.

### **2012/2013 Preliminary Deer Culling Recommendations**

To identify preserves to include in the 2012/2013 IDNR permit application, a preliminary list of preserves has been identified based on the average deer population counts and densities recorded through the last three aerial surveys and any available past vegetation sampling activities. Table 4 below lists the preliminary list of preserves for deer management, and summarizes population counts and densities including winter 2010/2011 aerial count data.

Upon completion of vegetation sampling this summer, Staff expects to return to the Operations Committee in September with more specific recommendations for the 2012/2013 deer management program.

<b>Table 4 - Average Population Counts and Density Estimates</b>			
Preserve	Avg. of Last 3 Population Counts*	Avg. of Last 3 Density Estimates* (per mi <sup>2</sup> )	Target Population Size
McKinley Woods	140	167	17 - 26
Lockport Prairie	27	57	9 - 13
Romeoville Prairie/ICM	36	40	18 - 27
Goodenow/Plum Grove**	126	72	30 - 45
Sand Ridge/Kankakee Sands**	91	45	12 - 18
Braidwood Dunes**	28	29	17 - 25
Hickory Creek Preserve	167	52	65 - 98
Raccoon Grove	37	73	10 - 15
Notes			
* Average does not reflect 2010/2011 or 2011/2012 culling activity.			
** Pending resolution of IDNR public hunting issue.			

In 2010 the District held four public meetings and open comment period regarding its proposed Deer Management Plan, which identified culling and hunting (bow and shotgun) as possible control methods. The majority of residents who attended the meetings and/or provided comments supported deer culling but not deer hunting. As a matter of policy, the Forest Preserve Board eliminated public hunting as a deer control method on forest preserve lands, and opted to use culling through the use of sharpshooters.

In its November 28, 2011 cover letter approving the District's 2011/2012 Deer Population Control Permits, IDNR indicated that the more rural nature of preserves in the Plum Valley and Kankakee Sands areas lend them to deer hunting programs during the legal statewide deer hunting season. IDNR also indicated that issuing Deer Population Control Permits for more rural preserves would be considered a temporary measure and IDNR expects District staff to complete a tentative deer hunting plan for at least one preserve by mid-summer 2012. In a recent e-mail correspondence, IDNR indicated they may withhold the District's Deer Population Control Permits until the public hunting issue is addressed.

District staff has expressed the concern to high level IDNR administrative staff that such an ultimatum usurps local control of forest preserve lands because it is contrary to the Forest Preserve Board's policy, which was established after extensive public review and comment. The ultimatum does not allow the District to address the legitimate need for deer control via culling in areas with high deer numbers and documented ecological damage. It also creates a significant burden; the District does not have enough staff resources to simultaneously manage public hunting and culling programs at different preserves. IDNR administrative staff has been responsive, and is working with staff to resolve the District's concerns.

**2011 - 2012 Deer Management Program Summary Report  
Deer Culling by Date and Preserve**

<u>Date</u>	<u>No. of Sites Per Evening</u>	<u>Total No. of Deer Culled</u>	<u>Number of Deer Culled by Preserve</u>							
			<u>MCWP</u>	<u>MWNP</u>	<u>LPNP</u>	<u>SRSNP</u>	<u>GGNP</u>	<u>MMP</u>	<u>RPNP</u>	<u>BDSNP</u>
12/05/11	1	7					7			
12/06/11	1	1					1			
12/07/11	1	3					3			
12/08/11	1	4					4			
<b>ST. WK 1</b>		<b>15</b>								
12/12/11	3	5	1		2				2	
12/13/11	3	0			0		0		0	
12/14/11	2	4	3						1	
12/15/11	0	0								
<b>ST. WK 2</b>		<b>9</b>								
12/19/11	4	6	0		1		3		2	
12/20/11	3	6	1		2		3			
12/21/11	3	1	1		0		0			
12/22/11	3	4	2				2			0
<b>ST. WK 3</b>		<b>17</b>								
12/26/11	2	9	3							6
12/27/11	2	0	0				0			
12/28/11	2	6				2				4
12/29/11	3	2	1		0		1			
<b>ST. WK 4</b>		<b>17</b>								
01/02/12	2	5	1			4				
01/03/12	2	2	0			2				
01/04/12	3	3	1			2				
01/05/12	2	3			1		2			
<b>ST. WK 5</b>		<b>13</b>								
01/09/12	3	3	0			2	1			
01/10/12	3	2	0			0	2			
01/11/12	1	2				2				
01/12/12	3	0			0	0	0			
<b>ST. WK 6</b>		<b>7</b>								
01/16/12	4	4	0		1	3	0			
01/17/12	3	3			1	0	2			
01/18/12	3	3	2			1	0			
01/19/12	3	0	0			0	0			
<b>ST. WK 7</b>		<b>10</b>								
01/23/12	3	1	0			1	0			
01/24/12	3	2	0			1	1			

## 2011 - 2012 Deer Management Program Summary Report

### Deer Culling by Date and Preserve

01/25/12	3	1	0	0	1					
01/26/12	3	3	0	0	3					
<b>ST. WK 8</b>		<b>7</b>								
01/30/12	1	1						1		
01/31/12	0	0								
02/01/12	0	0								
02/02/12	0	0								
<b>ST. WK 9</b>		<b>1</b>								
02/06/12	0	0								
02/07/12	0	0								
02/08/12	0	0								
02/09/12	0	0								
<b>ST. WK 10</b>		<b>0</b>								
02/13/12	0	0								
02/14/12	1	0						0		
02/15/12	1	0			0					
02/16/12	1	1						1		
<b>ST. WK 11</b>		<b>1</b>								
02/20/12	1	0						0		
02/21/12	1	1						1		
02/22/12	2	1			1			0		
02/23/12	1	0	0							
<b>ST. WK 12</b>		<b>2</b>								
02/27/12	0	0								
02/28/12	0	0								
02/29/12	0	0								
03/01/12	0	0								
<b>ST. WK 13</b>		<b>0</b>								
<b>Grand Total:</b>		<b>99</b>	<b>16</b>	<b>0</b>	<b>8</b>	<b>21</b>	<b>39</b>	<b>0</b>	<b>5</b>	<b>10</b>
<b>Auth. Take:</b>		<b>250</b>	<b>45</b>	<b>27</b>	<b>8</b>	<b>45</b>	<b>55</b>	<b>55</b>	<b>5</b>	<b>10</b>
<b>% Complete:</b>		<b>40%</b>	<b>36%</b>	<b>0%</b>	<b>100%</b>	<b>47%</b>	<b>71%</b>	<b>0%</b>	<b>100%</b>	<b>100%</b>

<b>% Complete for</b>	
<b>MCWP+LPNP+GGNP+RPNP+BDSNP+SRSNP:</b>	<b>59%</b>

**2011 - 2012 Deer Management Program Summary Report  
Shots Fired**

<b>Sharpshooters:</b>	<b>Number of Shots Taken</b>	<b>Number of Deer Harvested</b>	<b>Percentage</b>
<b><u>Police:</u></b>			
Robert Veron	21	21	100%
Cameron Povalish	19	19	100%
Nicholas Reid	14	14	100%
Dean Klier	20	20	100%
<b><u>Volunteers:</u></b>			
Kenneth Shoemaker	3	2	67%
Shawn Hill	10	8	80%
Steven Gutowski	11	9	82%
John Miller	2	1	50%
John Latz	4	4	100%
Dave Blaskey	1	1	100%
<b>TOTALS</b>	<b>105</b>	<b>99</b>	<b>94%</b>

## 2011 - 2012 Deer Management Program Summary Report Demographic Information

<b>Romeoville (RPN)</b>			
Average Deer Weights by Age and Sex			
Female	# of Deer	total weight	avg wt
Adult	2	295	147.5
Yearling	0	0	0
Fawn	2	200	100
total	4	495	123.8
Male	# of Deer	total weight	avg wt
Adult	0	0	0
Yearling	0	0	0
Fawn	1	100	100
total	1	100	100

<b>Braidwood (BDN)</b>			
Average Deer Weights by Age and Sex			
Female	# of Deer	total weight	avg wt
Adult	6	787	131.2
Yearling	0	0	0
Fawn	1	70	70
total	7	857	122.4
Male	# of Deer	total weight	avg wt
Adult	0	0	0
Yearling	1	110	110
Fawn	2	145	72.5
total	3	255	85

<b>Sand Ridge Savanna (SRN)</b>			
Average Deer Weights by Age and Sex			
Female	# of Deer	total weight	avg wt
Adult	7	1065	152.1
Yearling	1	100	100
Fawn	4	350	87.5
total	12	1515	126.3
Male	# of Deer	total weight	avg wt
Adult	0	0	0
Yearling	1	125	125
Fawn	8	785	98.1
total	9	910	101.1

<b>McKinley Woods (MWP)</b>			
Average Deer Weights by Age and Sex			
Female	# of Deer	total weight	avg wt
Adult	6	936	156
Yearling	1	125	125
Fawn	6	502	83.7
total	13	1563	120.2
Male	# of Deer	total weight	avg wt
Adult	0	0	0
Yearling	1	125	125
Fawn	2	205	102.5
total	3	330	110

<b>Goodenow (GGN)</b>			
Average Deer Weights by Age and Sex			
Female	# of Deer	total weight	avg wt
Adult	16	2303	144
Yearling	6	555	92.5
Fawn	2	155	77.5
total	24	3013	125.5
Male	# of Deer	total weight	avg wt
Adult	2	340	170
Yearling	7	875	125
Fawn	6	580	96.7
total	15	1795	120

<b>Lockport Prairie (LPN)</b>			
Average Deer Weights by Age and Sex			
Female	# of Deer	total weight	avg wt
Adult	4	575	143.8
Yearling	2	230	115
Fawn	1	92	92
total	7	897	128.1
Male	# of Deer	total weight	avg wt
Adult	0	0	0
Yearling	0	0	0
Fawn	1	72	72
total	1	72	72

**2011 - 2012 Deer Management Program Summary Report  
Demographic Information**

<b>Age Class by Preserve</b>				
<b>Preserve</b>	<b>Adult</b>	<b>Fawn</b>	<b>Yearling</b>	<b>Total</b>
Braidwood	6	3	1	10
Goodenow	18	8	13	39
Lockport	4	2	2	8
McKinley	6	8	2	16
Romeoville	2	3	0	5
Sand Ridge	7	12	2	21
<b>Total</b>	<b>43</b>	<b>36</b>	<b>20</b>	<b>99</b>

<b>Sex Ratio</b>			
<b>Preserve</b>	<b>Female</b>	<b>Male</b>	<b>Total</b>
Braidwood	7	3	10
Goodenow	24	15	39
Lockport	7	1	8
McKinley	13	3	16
Romeoville	4	1	5
Sand Ridge	12	9	21
<b>Total</b>	<b>67</b>	<b>32</b>	<b>99</b>

<b>Gravid Females by Preserve</b>			
<b>Preserve</b>	<b>Gravid</b>	<b>Not Gravid</b>	<b>Total Females</b>
Braidwood	4	3	7
Goodenow	8	16	24
Lockport	2	5	7
McKinley	1	12	13
Romeoville	0	4	4
Sand Ridge	8	4	12
<b>Total</b>	<b>23</b>	<b>44</b>	<b>67</b>

<b>Reproductive Potential</b>				
<b># Fetuses/Deer</b>				
<b>Preserve</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>Total</b>
Braidwood	0	4	0	8
Goodenow	2	4	2	16
Lockport	0	2	0	4
McKinley	1	0	0	1
Romeoville	0	0	0	0
Sand Ridge*	1	6	0	13*
<b>Total</b>	<b>4</b>	<b>16</b>	<b>2</b>	<b>42*</b>

\* no data for one female--tag #130869

**2011 - 2012 Deer Management Program Summary Report  
Chronic Wasting Disease Testing**

<b>Preserve</b>	<b>Carcass Tag Number</b>	<b>Sex</b>	<b>Age</b>	<b>Weight</b>	<b>Date Collected</b>	<b>Test Results</b>
BDN	608191	female	adult	155	12/26/2011	negative
BDN	608192	female	adult	155	12/26/2011	negative
BDN	608193	female	adult	132	12/26/2011	negative
BDN	608194	female	adult	140	12/26/2011	negative
BDN	608196	female	adult	110	12/26/2011	negative
BDN	608197	female	adult	95	12/28/2011	negative
BDN	608199	male	yearling	110	12/28/2011	negative
MWP	130806	female	adult	165	12/12/2011	negative
MWP	130808	male	yearling	125	12/14/2011	negative
MWP	130809	female	adult	171	12/14/2011	negative
MWP	130810	female	adult	180	12/20/2011	negative
MWP	130811	female	adult	155	12/21/2011	negative
MWP	130812	female	adult	140	12/22/2011	negative
MWP	130815	female	yearling	125	12/26/2011	negative
MWP	130821	female	adult	125	1/18/2012	negative
SRN	130856	female	adult	125	12/28/2011	negative
SRN	130859	male	fawn	130	1/2/2012	negative
SRN	130862	female	adult	175	1/3/2012	negative
SRN	130866	female	adult	145	1/9/2012	negative
SRN	130869	female	adult	150	1/11/2012	negative
SRN	130870	female	adult	125	1/16/2012	negative
SRN	130872	female	yearling	100	1/16/2012	negative
SRN	130873	female	adult	180	1/18/2012	negative
SRN	130875	male	yearling	125	1/24/2012	negative
RPN	130076	female	adult	160	12/12/2011	negative
RPN	130078	female	adult	135	12/14/2011	negative
LPN	608557	female	adult	155	12/12/2011	negative
LPN	608559	female	yearling	125	12/20/2011	negative
LPN	608560	female	adult	165	12/20/2011	negative
LPN	608562	female	adult	145	1/16/2012	negative
LPN	608563	female	adult	110	1/17/2012	negative



**2001 - 2012 Deer Management Program Summary Report  
Aerial Population Counts**

<b>Preserve &amp; Unit</b>	<b>1993</b>	<b>1994</b>	<b>1995</b>	<b>1996</b>	<b>1997</b>	<b>1998</b>	<b>1999</b>	<b>2000</b>	<b>2001</b>	<b>2002</b>	<b>2005</b>	<b>2006</b>	<b>2007</b>	<b>2008</b>	<b>2009</b>	<b>2010/2011</b>
<b>PLUM VALLEY GREENWAY</b>		<b>385</b>	<b>382</b>	<b>293</b>		<b>272</b>	<b>115</b>	<b>402</b>	<b>355</b>			<b>577</b>		<b>330</b>		<b>308</b>
<b>Plum Valley Ravines</b>		<b>115</b>	<b>131</b>	<b>121</b>		<b>122</b>	<b>40</b>	<b>154</b>	<b>149</b>			<b>227</b>		<b>163</b>		<b>149</b>
Lower Plum Area 1 (Old Post to Steger Rd.)		75	98	56		99	8	101	93					87		79
Lower Plum Area 2 (Old Post to Exchange)		40	33	65		23	32	53	56					76		70
Lower Plum (2006, Burville to Steger)												227				
<b>Plum Valley Preserve</b>		<b>40</b>	<b>49</b>	<b>44</b>		<b>55</b>	<b>30</b>	<b>69</b>	<b>55</b>			<b>74</b>		<b>57</b>		<b>61</b>
Middle Plum (Burville to Exchange)		0	0	4		0								13		
Middle Plum Area 5		40	49	40		55	30	69	55							
Middle Plum 2006												74		44		
<b>Goodenow Grove and Plum Grove Area</b>		<b>196</b>	<b>161</b>	<b>117</b>		<b>83</b>	<b>44</b>	<b>143</b>	<b>115</b>			<b>169</b>		<b>110</b>		<b>98</b>
Goodenow Grove		164	123	83		80	39	143	88					80		69
Plum Grove		32	38	34		3	5		27					30		29
Goodenow Grove (2006, includes Plum Grove)												169				
Balmoral Race Track Area (a.k.a. Book Property)		<b>34</b>	<b>41</b>	<b>11</b>		<b>12</b>	<b>1</b>	<b>36</b>	<b>36</b>			<b>107</b>				
<b>RACCOON GROVE PRESERVE AREA</b>	<b>133</b>	<b>115</b>	<b>99</b>	<b>94</b>	<b>58</b>	<b>65</b>	<b>58</b>	<b>55</b>	<b>63</b>		<b>64</b>		<b>88</b>	<b>10</b>		
Raccoon Grove Preserve (includes Mavon Corp. Farm)	106	89	60	47	33	44	39	30	54		58		52	0		
Raccoon Grove Farm (E. side of Egyptian Trail)	0	0	3	25	12	12	19	23	4		3		14	10		
Heatherbrook Estates Area (N side Pauling Road)	27	6	23	9	12	6	0	0	5		3		4			
Thompson Winery Area (N side Pauling Road, W of Rt. 50)	0	14	0	0	0	0	0	2	0		0		18			
Monee Reservoir		6	13	13	1	3	0	0	0		0		0	0		
<b>THORN CREEK WOODS PRESERVE AREA</b>	<b>237</b>	<b>199</b>	<b>411</b>	<b>320</b>	<b>110</b>	<b>181</b>	<b>174</b>	<b>247</b>	<b>252</b>		<b>327</b>		<b>373</b>	<b>99</b>		
Main Preserve (E side Monee Road to Western)	140	178	175	127	74	116	87	113	167		170		213	0		
West Preserve (W side Monee Road to Crawford)	10	4	10	16	19	19	19	26	30		40		53	0		
Pine Lake	16	10	36	48	17	29	33	60	3		43		56	17		
Thorn Grove Area	6	5	13	2		9	27	37	48		29		43	56		
Deer Creek Area		2	7	13		8	8	11	4		5		8	26		
Sauk Trail Woods	65		170	114							40					
<b>SPRING CREEK GREENWAY</b>	<b>22</b>		<b>48</b>	<b>62</b>		<b>59</b>	<b>4</b>	<b>76</b>	<b>173</b>	<b>116</b>		<b>139</b>		<b>160</b>	<b>48</b>	<b>209</b>
Messenger Woods	22		30	40		42	4	41	50	27		89		101		99
Messenger Marsh South	0		11	11		15	0	26	51	38				41		39
Messenger Marsh North			2	11		0	0	5	26	17				18		40
Messenger Marsh (2006, includes Ganford Grove)												47				
Homer Trails			5	0		2	0	4	8	0		3		0		
Hadley Valley															24	13
Hadley Valley East															20	
Hadley Valley West															4	
Adjacent residential and ag properties								38	34							
Walnut Hollow																18

**2001 - 2012 Deer Management Program Summary Report  
Aerial Population Counts**

<b>Preserve &amp; Unit</b>	<b>1993</b>	<b>1994</b>	<b>1995</b>	<b>1996</b>	<b>1997</b>	<b>1998</b>	<b>1999</b>	<b>2000</b>	<b>2001</b>	<b>2002</b>	<b>2005</b>	<b>2006</b>	<b>2007</b>	<b>2008</b>	<b>2009</b>	<b>2010/2011</b>
<b>HICKORY CREEK PRESERVE AREA</b>		<b>119</b>	<b>159</b>	<b>92</b>	<b>38</b>	<b>94</b>	<b>40</b>	<b>75</b>				<b>155</b>		<b>200</b>		<b>147</b>
East Unit (Rt. 45 to LaPorte Access)		30	49	20	10	27										
LaPorte Road Area (N side creek & W to Wolf Road)			13	22	0	3										
Van Horne North, South & ELC		0	12	5	3	11										
Hickory Creek Barrens (Wolf Road W to ROW)		53	45	23	13	26										
Hickory Creek Barrens (ROW W to Schoolhouse Road)		36	28	22	12	27										
Schoolhouse Road E side, N side of creek			12													
East Unit (Rt. 45 to Wolf Road)							9	33				106		109		
West Unit (Wolf Road to Schoolhouse)							31	42				49		91		
Potowotami Woods															20	
<b>KANKAKEE SANDS PRESERVE AREA</b>			<b>53</b>			<b>39</b>	<b>28</b>	<b>84</b>		<b>81</b>			<b>150</b>	<b>112</b>		
Braidwood Preserve Area			<b>24</b>			<b>16</b>	<b>2</b>	<b>30</b>		<b>14</b>			<b>37</b>	<b>31</b>		<b>29</b>
Braidwood Main Preserve			13			16	2	30		14			23	31		29
Braidwood Strip Mine (N side of Rt. 113)			11										14	0		
Sandridge Preserve Area			<b>29</b>			<b>23</b>	<b>26</b>	<b>54</b>		<b>67</b>			<b>113</b>	<b>81</b>		<b>79</b>
Sandridge North (N of Rt. 113)										35			77	36		41
Sandridge South (S of Rt. 113)			29			23	26	54		32			32	45		38
Area 3 (between Braidwood and Sandridge NP)													4			
Evans-Judge Preserve															1	
<b>DES PLAINES RIVER WATERSHED</b>																
Lockport Prairie			<b>44</b>			<b>8</b>	<b>25</b>	<b>38</b>	<b>41</b>			<b>29</b>		<b>24</b>		<b>27</b>
Main Preserve (Rt. 53 E to River, S of Rt. 7)								38				29				
South Unit			17			5	11		30					15		
North Unit			27			3	14		11					9		
Romeoville Prairie			<b>18</b>			<b>0</b>	<b>42</b>	<b>30</b>	<b>47</b>			<b>54</b>		<b>28</b>		<b>27</b>
Main Preserve (N of 135th St.)			18			0	42	30	31					21		
Isle a la Cache (S of 135th St.)									16					4		
Prairie and Isle a la Cache												50				
Adjacent properties (S of 135th St.)												4		3		
Keepataw Preserve			<b>16</b>			<b>15</b>	<b>10</b>	<b>36</b>				<b>34</b>		<b>4</b>		<b>61</b>
Veterans Woods Preserve								<b>14</b>				<b>15</b>		<b>16</b>		<b>36</b>
Main Preserve														7		31
Adjacent properties														9		5
Main Preserve including adjacent properties								14				15				
Prairie Bluff																33
<b>MCKINLEY WOODS PRESERVE AREA</b>						<b>79</b>	<b>66</b>	<b>92</b>					<b>180</b>	<b>122</b>		<b>137</b>
Main Preserve						79	66	92					180	110		132
FREEC														0		0
Conroy Island														12		5

**2001 - 2012 Deer Management Program Summary Report  
Aerial Population Counts**

<b>Preserve &amp; Unit</b>	<b>1993</b>	<b>1994</b>	<b>1995</b>	<b>1996</b>	<b>1997</b>	<b>1998</b>	<b>1999</b>	<b>2000</b>	<b>2001</b>	<b>2002</b>	<b>2005</b>	<b>2006</b>	<b>2007</b>	<b>2008</b>	<b>2009</b>	<b>2010/2011</b>
<b>ROCK RUN GREENWAY</b>							30	15						7		
Colvin Grove							30	15						7		60
Lower Rock Run															54	82
Rock Run N. of Black Road																32
Theodore Marsh																34
Rock Run Rookery																13
<b>FORKED CREEK GREENWAY</b>								3								
Donahue Grove															32	
Forked Creek															20	
Forsythe Woods								3								
Hyuck's Grove															7	
Fiddymont Creek															30	21
Laughton Preserve Area		40	38			10	14	11							25	
W side Rt. 52		0				3	3	2								
Main Preserve		29	23			7	11	9							25	
E side of Preserve		11	15			0	0	0								
Wayne Lehnert Preserve						12	0	0	10						12	
John Wesley Preserve															2	
<b>BLACK WALNUT GROVE WATERSHED</b>																
Black Walnut Grove															0	
<b>LILY CACHE WATERSHED</b>																
Lily Cache Wetland																0
O'hara Woods																4
Lake Renwick																20
<b>DU PAGE RIVER WATERSHED</b>																
Bird's Junction Marsh																23
Hammel Woods																27
Hammel Woods North																5
Hammel Woods South																22
Lake Chaminwood																0
<b>JACKSON CREEK WATERSHED</b>																
Jackson Creek															0	

**2011 - 2012 Deer Management Program Summary Report  
Population Density Estimates**

<b>Preserve &amp; Unit</b>	<b>1993</b>	<b>1994</b>	<b>1995</b>	<b>1996</b>	<b>1997</b>	<b>1998</b>	<b>1999</b>	<b>2000</b>	<b>2001</b>	<b>2002</b>	<b>2005</b>	<b>2006</b>	<b>2007</b>	<b>2008</b>	<b>2009</b>	<b>2010/2011</b>
<b>PLUM VALLEY GREENWAY</b>		71	71	54		50	22	74	67			82		73		68
<b>Plum Valley Ravines</b>		70	79	73		74	24	93	90			95		99		90
Lower Plum Area 1 (Old Post to Steger Rd.)		74	102	58		103	8	105	97					91		90
Lower Plum Area 2 (Old Post to Exchange)		58	48	94		33	46	77	81					110		101
Lower Plum (2006, Burville to Steger)												95				
<b>Plum Valley Preserve</b>		45	56	50		63	41	95	75			61		42		45
Middle Plum (Burville to Exchange)		0	0	27		0								87		
Middle Plum Area 5		45	56	55		63	41	95	75							
Middle Plum 2006												61		36		
<b>Goodenow Grove and Plum Grove Area</b>		131	107	78		55	29	84	77			80		73		65
Goodenow Grove		121	91	61		59	29	84	65					59		51
Plum Grove		213	253	227		20	33		180					200		193
Goodenow Grove (2006, includes Plum Grove)												80				
Balmoral Race Track Area (a.k.a. Book Property)		25	30	8		9	1	26	26			78				
<b>RACCOON GROVE PRESERVE AREA</b>	<b>100</b>	<b>89</b>	<b>57</b>	<b>31</b>	<b>19</b>	<b>21</b>	<b>19</b>	<b>18</b>	<b>20</b>		<b>37</b>		<b>52</b>	<b>9</b>		
Raccoon Grove Preserve (includes Mavon Corp. Farm)	212	178	120	94	66	88	78	60	108		116		104	0		
Raccoon Grove Farm (E. side of Egyptian Trail)	0	0	9	26	13	13	20	24	4		12		56	9		
Heatherbrook Estates Area (N side Pauling Road)	135	120	115	25	33	17	0	0	14		13		20			
Thompson Winery Area (N side Pauling Road, W of Rt. 50)	0	47	0	0	0	0	0	4	0		0		62			
Monee Reservoir		19	39	18	1	4	0	0	0		0		0	0		
<b>THORN CREEK WOODS PRESERVE AREA</b>	<b>51</b>	<b>57</b>	<b>82</b>	<b>64</b>	<b>41</b>	<b>51</b>	<b>49</b>	<b>70</b>	<b>72</b>		<b>80</b>		<b>106</b>	<b>28</b>		
Main Preserve (E side Monee Road to Western)	75	95	94	68	25	62	47	60	89		91		114	0		
West Preserve (W side Monee Road to Crawford)	19	8	19	31	37	37	37	50	58		77		102	0		
Pine Lake	57	36	129	171	61	104	118	214	11		154		200	61		
Thorn Grove Area	11	9	25	4		17	51	70	91		55		81	106		
Deer Grove Area		6	22	41		25	25	34	13		16		25	81		
Sauk Trail Woods	44		116	78							71					
<b>SPRING CREEK GREENWAY</b>	<b>11</b>		<b>22</b>	<b>28</b>		<b>29</b>	<b>2</b>	<b>37</b>	<b>65</b>	<b>53</b>		<b>53</b>		<b>88</b>	<b>23</b>	<b>73</b>
Messenger Woods	11		27	35		42	4	41	50	27		58		133		130
Messenger Marsh South	0		31	31		42	0	72	109	81				114		108
Messenger Marsh North			5	30		0	0	14	55	46				49		108
Messenger Marsh (2006, includes Ganford Grove)												62				
Homer Trails			15	0		6	0	12	24	0		10		0		
Hadley Valley															23	12
Hadley Valley East															61	
Hadley Valley West															6	
Adjacent residential and ag properties								95	170							
Walnut Hollow																56

**2011 - 2012 Deer Management Program Summary Report  
Population Density Estimates**

<b>Preserve &amp; Unit</b>	<b>1993</b>	<b>1994</b>	<b>1995</b>	<b>1996</b>	<b>1997</b>	<b>1998</b>	<b>1999</b>	<b>2000</b>	<b>2001</b>	<b>2002</b>	<b>2005</b>	<b>2006</b>	<b>2007</b>	<b>2008</b>	<b>2009</b>	<b>2010/2011</b>
<b>HICKORY CREEK PRESERVE AREA</b>		<b>50</b>	<b>65</b>	<b>39</b>	<b>16</b>	<b>40</b>	<b>17</b>	<b>32</b>				<b>48</b>		<b>62</b>		<b>45</b>
East Unit (Rt. 45 to LaPorte Access)		38	61	25	13	34										
LaPorte Road Area (N side creek & W to Wolf Road)			45	76	0	10										
Van Horne North, South & ELC		0	40	17	10	37										
Hickory Creek Barrens (Wolf Road W to ROW)		177	150	77	43	87										
Hickory Creek Barrens (ROW W to Schoolhouse Road)		54	42	33	18	40										
Schoolhouse Road E side, N side of creek			120													
East Unit (Rt. 45 to Wolf Road)							7	24				55		56		
West Unit (Wolf Road to Schoolhouse)							32	43				37		69		
Potowotami Woods															112	
<b>KANKAKEE SANDS PRESERVE AREA</b>			<b>22</b>			<b>38</b>	<b>27</b>	<b>81</b>		<b>45</b>			<b>38</b>	<b>36</b>		
Braidwood Preserve Area			12			24	3	44		21			28	23		40
Braidwood Main Preserve			33			24	3	44		21			28	37		40
Braidwood Strip Mine (N side of Rt. 113)			7										28	0		
Sandridge Preserve Area			81			64	72	150		60			43	47		45
Sandridge North (N of Rt. 113)										47			68	32		36
Sandridge South (S of Rt. 113)			81			64	72	150		89			53	75		63
Area 3 (between Braidwood and Sandridge NP)													4			
Evans-Judge Preserve															1	
<b>DES PLAINES RIVER WATERSHED</b>																
Lockport Prairie			102			19	58	88	95			52		56		63
Main Preserve (Rt. 53 E to River, S of Rt. 7)																
South Unit			106			31	69		188					94		
North Unit			100			11	52		41					33		
Romeoville Prairie			30			0	69	49	71			60		31		30
Main Preserve (N of 135th St.)			30			0	69	49	51					34		
Isle a la Cache (S of 135th St.)									320					80		
Prairie and Isle a la Cache												76				
Adjacent properties (S of 135th St.)												17		13		
Keepataw Preserve			32			30	20	72				62		7		111
Veterans Woods Preserve								93				100		43		97
Main Preserve														35		155
Adjacent properties														53		29
Main Preserve including adjacent properties								93				100				
Prairie Bluff																34
<b>MCKINLEY WOODS PRESERVE AREA</b>						<b>116</b>	<b>97</b>	<b>135</b>					<b>214</b>	<b>110</b>		<b>123</b>
Main Preserve						116	97	135					214	131		157
FREEC														0		0
Conroy Island														150		63

**2011 - 2012 Deer Management Program Summary Report  
Population Density Estimates**

<b>Preserve &amp; Unit</b>	<b>1993</b>	<b>1994</b>	<b>1995</b>	<b>1996</b>	<b>1997</b>	<b>1998</b>	<b>1999</b>	<b>2000</b>	<b>2001</b>	<b>2002</b>	<b>2005</b>	<b>2006</b>	<b>2007</b>	<b>2008</b>	<b>2009</b>	<b>2010/2011</b>
<b>ROCK RUN GREENWAY</b>							176	88						41		
Colvin Grove							176	88						41		222
Lower Rock Run															95	144
Rock Run Black Road																160
Theodore Marsh																76
Route 6 Rookery																38
<b>FORKED CREEK GREENWAY</b>								17								
Donahue Grove															103	
Forked Creek															17	
Forsythe Woods								17								
Hyuck's Grove															9	
Fiddymont Creek															71	50
Loughton Preserve Area		43	46			10	13	10							38	
W side Rt. 52		0				30	30	20								
Main Preserve		55	43			11	17	14							38	
E side of Preserve		37	50			0	0	0								
Wayne Lehnert Preserve						92	0	0	77						92	
John Wesley Preserve															5	
<b>BLACK WALNUT GROVE WATERSHED</b>																
Black Walnut Grove															0	
<b>LILY CACHE WATERSHED</b>																
Lily Cache Wetland																0
O'hara Woods																50
Lake Renwick																39
<b>DU PAGE RIVER WATERSHED</b>																
Bird's Junction Marsh																256
Hammel Woods																41
Hammel Woods North																26
Hammel Woods South																47
Lake Chaminwood																0
<b>JACKSON CREEK WATERSHED</b>																
Jackson Creek Preserve															0	

**2011 - 2012 Deer Management Program Summary Report**  
**2011 Deer Browse Sampling Data**

Preserve	Type of Plant	C value	Scientific Name	Common Name	# of plants	Browsed by Deer	Percent Browsed By Deer
BDN	Shrub	*	Rhamnus cathartica	Common buckthorn	4	3	75%
BDN	Shrub	*	Rhamnus frangula	Glossy buckthorn	4	3	75%
BDN	Shrub	*	Rosa multiflora	Multiflora rose	5	4	80%
BDN	Shrub	1	Cornus racemosa	Gray dogwood	32	30	94%
BDN	Tree	1	Fraxinus pennsylvanica	Green Ash	23	17	74%
BDN	Forb	2	Apocynum sibiricum	Prairie Indian hemp	20	17	85%
BDN	Forb	2	Euphorbia corollata	Flowering spurge	24	10	42%
BDN	Shrub	2	Rubus occidentalis	Black raspberry	21	18	86%
BDN	Forb	2	Tradescantia ohiensis	Common spiderwort	54	48	89%
BDN	Vine	2	Vitis riparia	Riverbank grape	23	19	83%
BDN	Forb	3	Impatiens capensis	Orange jewelweed	208	91	44%
BDN	Shrub	3	Rubus pensilvanicus	Yankee blackberry	49	37	76%
BDN	Forb	4	Solidago nemoralis	Old-field goldenrod	23	17	74%
BDN	Tree	5	Quercus alba	White oak	5	4	80%
BDN	Shrub	5	Rosa blanda	Early wild rose	10	10	100%
BDN	Shrub	5	Viburnum prunifolium	Black haw	129	123	95%
BDN	Tree	6	Quercus velutina	Black oak	34	29	85%
BDN	Forb	7	Apios americana	Ground nut	8	8	100%
BDN	Forb	7	Salix glaucophylloides	blue-leaf willow	5	5	100%
BDN	Shrub	7	Sium suave	Tall water parsnip	8	7	88%
BDN	Forb	8	Asclepias sulvantii	Prairie milkweed	1	1	100%
BDN	Forb	8	Baptisia leucantha	White wild indigo	2	1	50%
BDN	Forb	9	Hieracium longipilum	Long-beaked hawkweed	3	3	100%
Preserve	Type of Plant	C value	Scientific Name	Common Name	# of plants	Browsed by Deer	Percent Browsed By Deer
GGN	Shrub	*	Lonicera maackii	Amur honeysuckle	1	1	100%
GGN	Shrub	*	Rosa multiflora	Multiflora rose	7	5	71%
GGN	Shrub	*	Viburnum dentatum	Arrow-wood	2	2	100%
GGN	Shrub	*	Viburnum opulus	European highbush cranberry	1	0	0%
GGN	Tree	2	Circaea lutetiana canadensis	Enchanter's nightshade	204	73	36%
GGN	Forb	1	Cornus racemosa	Gray dogwood	7	7	100%
GGN	Shrub	1	Fraxinus pennsylvanica sub.	Green ash	101	96	95%
GGN	Tree	1	Prunus serotina	Wild black cherry	13	12	92%
GGN	Tree	1	Aster sagittifolius drummondii	Drummond's aster	6	3	50%
GGN	Forb	2	Crataegus crus-galli	Cockspur hawthorn	3	3	100%
GGN	Tree	2	Crataegus mollis	Downy hawthorn	2	2	100%
GGN	Forb	2	Polygonum virginianum	Woodland knotweed	63	39	62%
GGN	Shrub	2	Rubus occidentalis	Black raspberry	6	5	83%
GGN	Forb	2	Tradescantia ohiensis	Common spiderwort	4	3	75%
GGN	Forb	3	Smilacina racemosa	Feathery false solomon's seal	36	13	36%
GGN	Tree	3	Ulmus americana	American elm	2	1	50%
GGN	Forb	4	Aster lateriflorus	Side-flowering aster	23	17	74%
GGN	Forb	4	Eupatorium rugosum	White snakeroot	95	69	73%
GGN	Forb	4	Geranium maculatum	Wild geranium	77	51	66%
GGN	Tree	5	Carya ovata	Shagbark hickory	5	4	80%
GGN	Tree	5	Fraxinus americana	White ash	17	12	71%
GGN	Forb	5	Phlox divaricata	Woodland phlox	39	29	74%
GGN	Forb	5	Polemonium reptans	Jacob's ladder	12	12	100%
GGN	Tree	5	Quercus alba	White oak	5	2	40%
GGN	Shrub	5	Ribes missouriense	Wild gooseberry	40	40	100%
GGN	Forb	5	Smilacina stellata	Starry false solomon's seal	6	4	67%
GGN	Shrub	5	Viburnum prunifolium	Black haw	69	69	100%
GGN	Forb	7	Arisaema dracontium	Green dragon	4	1	25%
GGN	Tree	7	Carya cordiformis	Bitternut hickory	6	2	33%

## 2011 - 2012 Deer Management Program Summary Report

### 2011 Deer Browse Sampling Data

GGN	Forb	7	<i>Krigia biflora</i>	False dandelion	7	7	100%
GGN	Vine	7	<i>Lonicera prolifera</i>	Yellow honeysuckle	31	23	74%
GGN	Shrub	8	<i>Hamamelis virginiana</i>	Witch hazel	16	12	75%
GGN	Shrub	9	<i>Viburnum acerifolium</i>	Maple-leaved arrow-wood	8	7	88%
Preserve	Type of Plant	C value	Scientific Name	Common Name	# of plants	Browsed by Deer	Percent Browsed By Deer
LPN	Shrub	*	<i>Asclepias syriaca</i>	Common milkweed	4	4	100%
LPN	Shrub	*	<i>Lonicera maackii</i>	Amur honeysuckle	2	2	100%
LPN	Forb	0	<i>Rhamnus cathartica</i>	Common buckthorn	173	144	83%
LPN	Shrub	1	<i>Cornus racemosa</i>	Gray dogwood	3	3	100%
LPN	Forb	1	<i>Rudbeckia hirta</i>	Black-eyed Susan	40	16	40%
LPN	Shrub	1	<i>Salix interior</i>	Sand bar willow	59	27	46%
LPN	Shrub	1	<i>Sambucus canadensis</i>	Elderberry	1	1	100%
LPN	Tree	2	<i>Apocynum sibiricum</i>	Prairie Indian hemp	9	8	89%
LPN	Forb	2	<i>Crataegus crus-galli</i>	Cockspur hawthorn	2	2	100%
LPN	Forb	2	<i>Gleditsia triacanthos</i>	Honey Locust	13	6	46%
LPN	Shrub	2	<i>Helianthus grosseserratus</i>	Sawtooth sunflower	44	3	7%
LPN	Tree	2	<i>Rubus occidentalis</i>	Black raspberry	4	4	100%
LPN	Tree	3	<i>Celtis occidentalis</i>	Hackberry	203	197	97%
LPN	Forb	3	<i>Echinacea purpurea</i>	Purple coneflower	51	9	18%
LPN	Forb	4	<i>Asclepias incarnata</i>	Swamp milkweed	39	30	77%
LPN	Forb	4	<i>Eupatorium perfoliatum</i>	Common boneset	42	16	38%
LPN	Forb	5	<i>Helenium autumnale</i>	Sneezeweed	2	1	50%
LPN	Forb	7	<i>Angelica atropurpurea</i>	Great angelica	32	17	53%
LPN	Forb	7	<i>Aster puniceus firmus</i>	Shining aster	3	3	100%
LPN	Forb	7	<i>Hypericum sphaerocarpem</i>	St. John's Wort?	5	4	80%
LPN	Forb	9	<i>Aster umbellatus</i>	Flat-top aster	2	2	100%
LPN	Forb	9	<i>Potentilla arguta</i>	Prairie cinquefoil	3	3	100%
LPN	Forb	10	<i>Dalea (Petalostemum) foliosum</i>	Leafy prairie clover	109	41	38%
Preserve	Type of Plant	C value	Scientific Name	Common Name	# of plants	Browsed by Deer	Percent Browsed By Deer
MWN	Grass	*	<i>Bromus inermis</i>	Hungarian brome	7	6	86%
MWN	Shrub	*	<i>Lonicera tatarica</i>	Tartaria honeysuckle	8	7	88%
MWN	Shrub	*	<i>Rosa multiflora</i>	Multiflora rose	9	9	100%
MWN	Forb	1	<i>Circaea lutetiana canadensis</i>	Enchanter's nightshade	18	17	94%
MWN	Tree	1	<i>Prunus serotina</i>	Wild black cherry	4	4	100%
MWN	Tree	1	<i>Fraxinus pennsylvanica sub.</i>	Green ash	1	1	100%
MWN	Tree	2	<i>Parthenocissus quinquefolia</i>	Virginia creeper	4	2	50%
MWN	Vine	2	<i>Rubus occidentalis</i>	Black raspberry	3	2	67%
MWN	Shrub	2	<i>Crataegus crus-galli</i>	Cockspur hawthorn	1	1	100%
MWN	Forb	3	<i>Impatiens capensis</i>	Orange jewelweed	581	524	90%
MWN	Forb	4	<i>Geranium maculatum</i>	Wild geranium	488	367	75%
MWN	Tree	5	<i>Fraxinus americana</i>	White ash	21	13	62%
MWN	Shrub	5	<i>Ribes missouriense</i>	Wild gooseberry	88	75	85%
MWN	Shrub	5	<i>Viburnum prunifolium</i>	Black haw	4	4	100%
MWN	Tree	5	<i>Quercus alba</i>	White oak	16	16	100%
MWN	Forb	7	<i>Actaea pachypoda</i>	White baneberry	1	1	100%
MWN	Tree	7	<i>Staphylea triloba</i>	Bladdernut	65	45	69%
MWN	Forb	8	<i>Hydrophyllum appendiculatum</i>	Great waterleaf	128	123	96%
Preserve	Type of Plant	C value	Scientific Name	Common Name	# of plants	Browsed by Deer	Percent Browsed By Deer
MMP	Shrub	*	<i>Euonymus alatus</i>	Burning bush	1	1	100%
MMP	Shrub	*	<i>Lonicera maackii</i>	Amur honeysuckle	5	3	60%
MMP	Shrub	*	<i>Lonicera tatarica</i>	Tartaria honeysuckle	5	5	100%
MMP	Shrub	*	<i>Rosa multiflora</i>	Multiflora rose	16	13	81%
MMP	Forb	1	<i>Circaea lutetiana canadensis</i>	Enchanter's nightshade	72	33	46%
MMP	Shrub	1	<i>Cornus racemosa</i>	Gray dogwood	2	2	100%
MMP	Tree	1	<i>Prunus serotina</i>	Wild black cherry	26	24	92%



## 2011 - 2012 Deer Management Program Summary Report

### 2011 Deer Browse Sampling Data

MMP	Vine	2	Parthenocissus quinquefolia	Virginia creeper	67	48	72%
MMP	Forb	2	Polygonum virginianum	Woodland knotweed	90	90	100%
MMP	Shrub	2	Rubus occidentalis	Black raspberry	10	8	80%
MMP	Vine	2	Vitis riparia	Riverbank grape	1	1	100%
MMP	Forb	3	Impatiens capensis	Orange jewelweed	121	75	62%
MMP	Tree	3	Malus ioensis	Iowa crab	4	4	100%
MMP	Forb	4	Arisaema triphyllum	Jack-in-the-pulpit	63	53	84%
MMP	Forb	4	Geranium maculatum	Wild geranium	356	177	50%
MMP	Tree	5	Fraxinus americana	White ash	59	14	24%
MMP	Tree	5	Ostrya virginiana	Hop hornbeam	6	4	67%
MMP	Shrub	5	Ribes missouriense	Wild gooseberry	162	152	94%
MMP	Forb	5	Smilax tamnoides hispida	Bristly cat brier	5	4	80%
MMP	Forb	5	Thalictrum dasycarpum	Purple meadow rue	5	5	100%
MMP	Tree	5	Tilia americana	Basswood	5	5	100%
MMP	Shrub	5	Viburnum prunifolium	Black haw	189	177	94%
MMP	Shrub	6	Ceanothus americanus	New Jersey tea	2	2	100%
MMP	Forb	7	Arisaema dracontium	Green dragon	2	1	50%
MMP	Tree	7	Carya cordiformis	Bitternut hickory	7	3	43%
MMP	Tree	7	Quercus rubra	Red oak	1	1	100%
MMP	Forb	7	Thalictrum dioicum	Early meadow rue	28	23	82%
Preserve	Type of Plant	C value	Scientific Name	Common Name	# of plants	Browsed by Deer	Percent Browsed By Deer
MWP	Shrub	*	Lonicera tatarica	Tartarian honeysuckle	17	16	94%
MWP	Shrub	*	Rosa multiflora	Multiflora rose	5	5	100%
MWP	Forb	1	Circaea lutetiana canadensis	Enchanter's nightshade	15	2	13%
MWP	Tree	1	Prunus serotina	Wild black cherry	4	3	75%
MWP	Tree	3	Acer saccharum	Sugar Maple	17	9	53%
MWP	Tree	3	Celtis occidentalis	Hackberry	7	5	71%
MWP	Forb	3	Laportea canadensis	Wood nettle	128	81	63%
MWP	Forb	3	Viola sororia	Common blue violet	15	11	73%
MWP	Shrub	3	Xanthoxylum americanum	Prickly ash	8	6	75%
MWP	Forb	4	Arisaema triphyllum	Jack-in-the-pulpit	336	84	25%
MWP	Grass	4	Elymus canadensis	Canada wild rye	26	20	77%
MWP	Forb	4	Eupatorium rugosum	White snakeroot	8	1	13%
MWP	Tree	4	Ulmus rubra	Slippery elm	1	1	100%
MWP	Tree	5	Carya ovata	Shagbark hickory	25	17	68%
MWP	Grass	5	Elymus villosus	Silky wild rye	6	4	67%
MWP	Forb	5	Hydrophyllum virginianum	Virginia waterleaf	8	1	13%
MWP	Tree	5	Quercus macrocarpa	Bur oak	1	1	100%
MWP	Shrub	5	Ribes missouriense	Wild gooseberry	1	1	100%
MWP	Forb	5	Solidago ulmifolia	Elm-leaved goldenrod	24	12	50%
MWP	Forb	5	Trillium recurvatum	Red trillium	9	5	56%
MWP	Shrub	5	Viburnum prunifolium	Black haw	17	17	100%
MWP	Tree	7	Carya cordiformis	Bitternut hickory	1	1	100%
MWP	Forb	8	Hydrophyllum appendiculatum	Great waterleaf	155	96	62%
MWP	Forb	9	Lithospermum latifolium	Broad-leaved pucoon	29	22	76%
MWP	Forb	10	Cercis canadensis	Redbud	6	6	100%
MWP	Forb	10	Jeffersonia diphylla	Twinleaf	242	40	17%
MWP	Forb	10	Scutellaria ovata versicolor	Heart-leaved skullcap	10	7	70%
Preserve	Type of Plant	C value	Scientific Name	Common Name	# of plants	Browsed by Deer	Percent Browsed By Deer
RPN	Shrub	*	Asclepias syriaca	Common milkweed	15	15	100%
RPN	Forb	*	Rhamnus cathartica	Common buckthorn	13	8	62%
RPN	Shrub	1	Cornus racemosa	Gray dogwood	141	98	70%
RPN	Forb	4	Apocynum cannabinum	Indian hemp	111	55	50%
RPN	Forb	4	Eupatorium perfoliatum	Common boneset	38	31	82%
RPN	Forb	4	Verbena hastata	Blue vervain	1	1	100%
RPN	Shrub	5	Rosa blanda	Early wild rose	60	40	67%
RPN	Forb	7	Lythrum alatum	Winged loosestrife	46	11	24%

**2011 - 2012 Deer Management Program Summary Report**  
**2011 Deer Browse Sampling Data**

RPN	Forb	9	Petalostemum purpureum	Purple prairie clover	25	19	76%
RPN	Forb	10	Dalea (Petalostemum) foliosum	Leafy prairie clover	10	7	70%
Preserve	Type of Plant	C value	Scientific Name	Common Name	# of plants	Browsed by Deer	Percent Browsed By Deer
SRN	Shrub	*	Rosa multiflora	Multiflora rose	6	6	100%
SRN	Shrub	1	Cornus racemosa	Gray dogwood	42	41	98%
SRN	Tree	1	Prunus serotina	Wild black cherry	5	4	80%
SRN	Shrub	1	Salix interior	Sandbar willow	3	2	67%
SRN	Shrub	1	Sambucus canadensis	Elderberry	4	4	100%
SRN	Forb	2	Euphorbia corollata	Flowering spurge	312	178	57%
SRN	Vine	2	Parthenocissus quinquefolia	Virginia creeper	8	4	50%
SRN	Shrub	2	Rubus occidentalis	Black raspberry	2	2	100%
SRN	Forb	2	Tradescantia ohiensis	Common spiderwort	14	14	100%
SRN	Shrub	3	Rubus allegheniensis	Common blackberry	29	14	48%
SRN	Shrub	3	Rubus pensilvanicus	Yankee blackberry	2	2	100%
SRN	Forb	4	Aster ontarionis	Ontario aster	243	134	55%
SRN	Forb	4	Lespedeza capitata	Round-headed bush clover	45	0	0%
SRN	Tree	5	Quercus alba	White oak	58	37	64%
SRN	Forb	6	Lilium michiganense	Michigan lily	1	1	100%
SRN	Forb	6	Polygala sanguinea	Field milkwort	6	6	100%
SRN	Tree	6	Quercus velutina	Black oak	52	37	71%
SRN	Shrub	6	Salix humilis	Prairie willow	11	11	100%
SRN	Forb	9	Hypoxis hirsuta	Yellow star grass	1	1	100%
SRN	Forb	10	Castilleja coccinea	Indian paintbrush	26	26	100%
SRN	Forb	10	Habernaria flava herbiola	Tuberclod orchid	97	36	37%
SRN	Forb	10	Saxifraga pensylvanica	Swamp saxifrage	15	8	53%