

Forest Preserve District of Will County

2010 – 2011 Deer Management Program Summary Report

May 24, 2011

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**Deer Management Program Summary Report
2010 – 2011**

**For
Illinois Department of Natural Resources
Deer Population Control Permits
JMJO33-10, JMJO34-10, JMJO35-10, JMJO36-10, JMJO37-10**

Introduction

In November 2010 the Board of Commissioners authorized the use of sharpshooting to control the deer population at five forest preserves. Staff applied for permits through the Illinois Department of Natural Resources (IDNR). In late January 2011, IDNR issued five (5) Deer Population Control Permits for McKinley Woods, Lockport Prairie Nature Preserve, Messenger Woods Nature Preserve, Sandridge Savanna Nature Preserve, and Goodenow Grove Nature Preserve. These permits allowed the removal of 75, 10, 50, 20, and 30 deer, respectively. The permits were valid from January 31, 2011 to March 31, 2011. This 60 day permit period was shortened due to IDNR and District restrictions which limited culling to Monday through Thursday only.

The District removed a total of 134 white-tailed deer from three forest preserves (McKinley Woods, Messenger Woods Nature Preserve, and Lockport Prairie Nature Preserve) between February 8th, 2011 and March 24th, 2011. This represents 99.3% of the 135 deer authorized for take under the District's permits. Due to the time constraints, deer management was not attempted at Sandridge Savanna and Goodenow Grove Nature Preserves.

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. The intent as stated in the Operational Plan and Logistical Plan was to complete culling when the preserve was closed at 5:00 p.m. After the first night of culling in which only one deer was taken, Staff consulted with IDNR about strategies to improve the success rate. IDNR recommended the start time be altered to match the deer activity and movement in the preserves, and to insure sharpshooters were set-up at the bait stations just prior to dusk. Beginning February 9th, those preserves scheduled for culling were closed at 4:00 p.m. rather than 5:00 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 IDNR to be tested for Chronic Wasting Disease (CWD).

The unheated pole building was adequate for storing the deer, however, if the ambient air temperature approached 40 degrees Fahrenheit, ice bags were then packed around the carcasses to insure the meat remained cold until being transported. Within 24-48 hours the deer carcasses were transported from Donahue Grove Forest Preserve to be processed.

Freedom Sausage, Earlville, IL processed the 134 deer, yielding 6,030 pounds of venison. Northern Illinois Food Bank, St. Charles, IL received the ground venison for distribution to needy families in northeastern Illinois. Kaluzny Bros Inc., Joliet, IL, collected internal organs and waste materials for rendering.

Cost Analysis

Five FPDWC Police Officers participated on the sharpshooting team. Three FPDWC Police Officers worked their shift from February 8th, 2011 to March 24th, 2011 on a sharpshooter shift, from 4:00pm – 12:00am. These officers had to be 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 for the officers involved.

The Program had a late permit start and only guaranteed a 60 day culling season, which only gave 32 weekdays to cull, of which we culled 27 days. The program was implemented with 3 patrol officers per night and 4 rotating volunteers. The Police Staffing costs ended up being lower than any of the proposed scenarios.

Police Staffing Costs:

No of Officers		Hours		Days of Culling		Hourly Wage		
3	x	8	x	27	x	\$19.59	=	\$12,694.32
No of Officers		Hours		No of Deliveries		Hourly Wage		
1	x	4	x	11	x	\$19.59	=	\$861.96
								<hr/>
								\$13,556.28

*Operational Costs:**

Company	Purpose	Cost
Kaluzny Bros Inc	rendering	\$1,450.00
Freedom Sausage	processing	\$4,154.00
Ray O'Herron's	ammunition	\$348.26
Walter Konow	bait	\$750.00
		\$6,702.26

**Cost details:*

Kaluzny Bros details

\$150 initial material drop off and \$150 material pickup at end of program = \$300
 23 pickups at \$50 each = \$1,150 + \$300 = \$1,450.00

Freedom Sausage details

134 deer @ \$31 per deer = \$4,154.00

Ray O'Herron's details

2 boxes of .223 ballistic silver tips @ \$167 each = \$334.00 (plus freight) \$348.26

Walter Konow details

2.5 pallets @ \$300 per pallet = \$750.00

\$151/deer

The District costs came to \$151/deer for the Police Staffing and Operational Costs. In the original Operational Plan (Attachment C) for the Deer Management Sharpshooting program three cost scenarios were presented. The scenarios included:

- Scenario 1: Staffing the program with all FPDWC Police, \$227/deer
- Scenario 2: Staffing the program with two Patrol Officers and one Volunteer, \$159/deer
- Scenario 3: Staffing the program with one Master Patrol Officer and two Volunteers, \$103/deer.

Natural Resource Management Staffing Costs:

Natural Resource Management (NRM) employees spent 208 hours at Donahue Preserve pole barn, collecting data and helping with program implementation. RM staffing costs equal \$4,258.85. Plus \$20 in shipping costs for samples.

Police Staffing	Operational Costs	RM Staffing	Total Deer	Cost per deer						
\$13,556.28	+	\$6,702.26	+	\$4,278.85	=	\$24,537.39	/	134	=	\$183.11

\$183/deer

The final cost per deer was \$183 and includes costs for Police Staffing, Operational Costs, and Resource Management Staffing. The reason that the final cost was more than Scenarios 2 and 3 was because the Resource Management Staffing costs were not calculated in the original Operational Plan. The final cost of \$183/deer was right above the average of the 3 scenarios.

One time only purchases are listed in Attachment B, titled Deer Management Program – Donahue Plan, and total \$2,379.89. Additional one time purchases purchased during the program included ice, a winch, miscellaneous nuts and bolts, deer scale, batteries, extra hoses, gloves, gutting tools, etc. and added an additional cost of \$736.78. Three scopes purchases for the sharpshooter’s rifles totaled \$1,335.00. A majority of these items are one time purchases only. The total for all these items is \$4,451.67. One time costs were not incorporated in any of the unit costs. Thus, the total program cost including the one time purchases, is \$28,989.06 or \$216/deer.

Shots Fired

During the Deer Management Program there were 148 shots taken and 134 deer taken, at 91% accuracy. One volunteer experienced some shooting difficulties resulting in an accuracy of 43%. This volunteer was removed from the program. There were no injuries, unaccounted shots or deer leaving any of the preserves. (See Attachment D for further details).

Program Operational Problems and Suggestions

During the Deer Management Sharpshooting program several concerns surfaced.

- There were 17 protesters that were present at the Messenger Woods gate on one occasion. There were no conflicts. It was a silent protest and the protesters left after 20 minutes. The same protesters showed up at 159th and Bell Road on 2 separate occasions, with signs protesting the program. The protest was not located on Forest Preserve property and the Will County Sheriff’s Office was called to ask the protesters to stay out of the street.
- Two citizens confronted one of our officers at Messenger Woods concerning the accuracy of the District's deer counts.
- There were 2 complaints about blood trails at the preserves the morning after sharpshooters were out there. One was at McKinley and the other at Messenger Woods.

- A citizen complained about an officer's attitude at McKinley Woods on one occasion. The citizen wanted to walk his dog after the preserve had already been closed.
- On several occasions, bait had been tampered with at Messenger Woods and a tree stand was thought to be stolen, but was recently found hidden in the preserve.
- A man was charged with hindering public officials during the performance of a District program, destruction of natural resources and being in a preserve after hours at Messenger Woods.

A post-program meeting was held with the entire sharpshooting team to discuss what went well, and what could be improved. The entire team agreed that the late start of the culling program had the single biggest impact on the program operation. The first night of culling was February 8th. That night and the next one were the coldest nights of the winter. Within a week all snow cover was lost for the rest of the program. Loss of snow cover and soft ground due to rising temperatures added difficulty to the program. The last three weeks, the effectiveness of bait piles was minimized due to the fact vegetation was beginning to grow relieving stress on the herd. The culling program was called off a week early for these reasons. Everyone agreed that we can be more efficient starting in December.

Operationally, the sharpshooting plan was well designed and implemented. The first week and a half of culling was performed by full time District officers. This was done to insure consistent operation when they were partnered with volunteers. In the days that followed volunteers were added and culling began in multiple locations. Should the District continue deer culling, the experience gained this first year of operation will enable us to expediently and efficiently implement the program at multiple locations. Suggestions from the team include: make improvements to the entrance at the Donahue Grove Preserve; construct durable A-frame hangers for field dressing at the pole barn; and consider purchasing an all terrain vehicle to assist removal of harvested deer from remote locations.

The team also concluded that the .223 caliber round used this year was effective. IDNR mandated a neck shot when using the .223 caliber round. Experience in the field showed that the one thing on a deer that kept moving around was its neck. We discussed the possibility of changing to a .308 caliber round which would allow us to target easier shoulder shots. There was general agreement that the .308 round might be more efficient.

There were two incidents of blood trails not being cleaned up. We discussed the importance of cleaning up the sites and possible ways to handle the problem, such as moving the harvested deer in sleds, or carrying water sprayers.

Near the end of the program the District received an in kind donation of a 10X12 walk in cooler from Mike Ruth of Northern Illinois Steel in Channahon. This will lower the cost per deer by reducing the number of trips to the processor.

Demographic Information

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

- Of the 134 deer removed, 53% were adults, 17% were yearlings, and 30% were fawns.
- Of the 134 deer removed, 76% were female, 24% were antlerless males.
- Of the 102 female deer removed, 67% were gravid, 33% were not.
- The average weight of all deer removed was 111.53 pounds.
- The average weight of all male deer removed was 104.59 pounds. The average weight of adult males was 137.33 pounds.
- The average weight of all female deer removed was 113.71 pounds. The average weight of adult females was 131.75.
- The majority (69%) of all gravid females removed were carrying two fetuses. Only one had triplets, the remaining females each had a single fetus.

Chronic Wasting Disease

IDNR required tissue samples be taken from all yearling and older deer for Chronic Wasting Disease (CWD) testing before they were processed. The samples obtained were shipped to Centralia IDOA lab, Centralia, IL. We shipped a total of 105 samples for CWD testing. A discrepancy between the number of samples taken and the number tested for CWD is attributable to the fact that 12 samples from fawns were mistakenly shipped before the error was identified. Of the 105 samples sent, 96 were tested including 2 of the fawn samples. All 96 samples tested were negative for CWD. Attachment F contains the complete collection, shipment and CWD testing results.

Deer Population and Habitat Monitoring

Due to the late start of the program in 2011, aerial census counts following completion of the culling are not available to assess if the target density had been achieved. Given the IDNR permitted the removal of fewer deer than identified as

necessary to reach target densities, it is very likely all three preserves completed this year will require additional culling in 2011/2012. Additionally it is expected that immigration and spring births will offset much of the population decreases accomplished during the winter of 2010/2011. The complete 2010/2011 aerial population count and density data is presented in Attachments G and H respectively.

Line transects and quadrat sampling is done to document current year browse pressure to support the IDNR deer management permit application. Vegetation sampling to document the extent of deer browse pressure in sites proposed for deer management during the 2011/2012 season will be completed in June, 2011. 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. Attempts will be made to maintain the integrity of deer exclosures erected as part of the District's three year browse study so that they may be re-sampled in future years to document site recover. However, damage due to falling limbs and trees along with intentional vandalism have already compromised many.

Additionally, the Large Flowered Trillium study at Messenger Woods has been nearly completely compromised as someone has dismantled roughly 1/3 of the exclosures for use in the construction of fort like structures and caused significant trampling impacts across the study area in the process of collecting woody material. While this activity is being investigated, any additional data collected from this study area must be considered to be of questionable validity if compared to past sample events.

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.

2011 - 2012 Preliminary Deer Culling Recommendations

To identify preserves to include in the 2011/2012 DNR 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 1 below lists the preliminary list of preserves for deer management, and summarizes population counts and densities including winter 2010/2011 aerial count data.

Table 1

Preserve	Avg. of Last 3 Population Counts	Avg. of Last 3 Density Estimates	Target Population Size
McKinley Woods	140*	167	17 - 26
Messenger Woods	96*	94	15 - 23
Lockport Prairie	27*	57	9 - 13
Goodenow/Plum Grove	126	72	30 - 45
Sandridge/Kankakee Sands	91	45	12 - 18
Braidwood Dunes	28	29	17 - 25
Romeoville Prairie	36	40	18 - 27
Messenger Marsh	62	67	15 - 23

Notes

* Average Count does not reflect 2010/2011 culling activity.

Upon completion of vegetation sampling this summer, Staff expects to return to the Operations Committee in August with more specific recommendations for the 2011/2012 deer management program.

Staff is also continuing to investigate immuno-contraception. IDNR does not allow the use of any immuno-contraceptive product to manage deer herds; however IDNR would authorize a scientific study that involved immuno-contraception. Staff is in the process of contacting researchers working with GonaCon, the most promising of the immuno-contraceptives, and is meeting with local researchers whose focus is population biology.

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Attachment A

Deer Culling by Date and Preserve

2010 - 2011 Deer Management Program Summary Report
Deer Culling by Date and Preserve

Date	No. of Sites Per Evening	Total No. of Deer Culled	Number of Deer Culled by Preserve					
			MCWP	MWNP	LPNP	SRSNP	GGNP	
02/08/11	1	1	1					
02/09/11	1	5	5					
02/10/11	1	9	9					
ST. WK. 1		15	15	0	0	0	0	0
02/14/11	1	8	8					
02/15/11	1	8	8					
02/16/11	2	4	2	2				
02/17/11	2	8	2	6				
ST. WK. 2		28	20	8	0	0	0	0
02/21/11	2	4	3	1				
02/22/11	2	3	0	3				
02/23/11	2	7	4	3				
02/24/11	2	6	6	0				
ST. WK. 3		20	13	7	0	0	0	0
02/28/11	2	4		2	2			
03/01/11	3	8		7	1			
03/02/11	2	4		0	4			
03/03/11	2	8	7	1	0			
ST. WK. 4		24	7	10	7	0	0	0
03/07/11	3	6	2	4	0			
03/08/11	3	5	0	4	1			
03/09/11	2	5	2	3				
03/10/11	3	4	3	0	1			
ST. WK. 5		20	7	11	2	0	0	0
03/14/11	3	1	0	0	1			
03/15/11	1	2	2					
03/16/11	2	7	5	2				
03/17/11	1	2		2				
ST. WK. 6		12	7	4	1	0	0	0
03/21/11	1	3	3					
03/22/11	2	6	3	3				
03/23/11	1	5		5				
03/24/11	1	1		1				
ST. WK. 7		15	6	9	0	0	0	0
03/28/11	n/a							
03/29/11	n/a							
03/30/11	n/a							
03/31/11	n/a							
ST. WK. 8		0	0	0	0	0	0	0
Grand Total:		134	75	49	10	0	0	0
Auth. Take:		185	75	50	10	20	30	
% Complete:		72%	100%	98%	100%	0%	0%	
% Complete for MCWP+MWNP+LPNP:		99%						

2010 – 2011 Deer Management Program Summary Report

Attachment B

Donahue Plan



**FOREST PRESERVE DISTRICT
OF WILL COUNTY
POLICE DEPARTMENT
OPS/L.E. FACILITY
22606 S. CHERRY HILL ROAD
JOLIET, ILLINOIS 60433
PHONE (815) 727-8700 FAX (815) 727-9415**

Marcy DeMauro
Executive Director

Robert C. Murphy
Chief of Police

MEMORANDUM

Date: January 20, 2011

To: Marcy DeMauro, Bob Murphy, and Ralph Schultz

CC: Andy Hawkins, John Fay, Brad Steinke, Dave Robson, Glen Buckner, Dave Barrios, Bob Veron, and Cameron Povalish.

RE: Deer Management Program – Donahue Plan

On January 28th, 2011 Marty Jones from DNR is making a visit to FPDWC to qualify the proposed sharpshooters. This is the deadline for a proposed cleanup and supply stock needed for Donahue. On January 20, 2011, a meeting was held regarding this process. The items and supplies that need to be purchased were discussed and duties were delegated. Here is the final plan to complete the January 28th deadline.

1. Items need to be removed:
 - a. There are several items that are located at the Donahue property and need to be removed.
 - i. Several bikes (found property by the PD) are to be donated to Kuma Cottage in Wilmington. (sp)
 - ii. A generator (obtained for government use only) will be picked up by Wilmington ESDA.
2. The building needs to be cleaned and organized:
 - a. Operations have taken over the following responsibilities for the property:

Building Section:

 - Bleach the well Monday (1/24/11) afternoon
 - Schedule the pumping of the septic tank
 - Insert plugs in floor drain in barn
 - Test water on Thursday (1/27/11)
 - Make some sort of screen cover for floor drain so pump will not get clogged

- Set up shed or cargo box for hanging deer, once it is built or delivered

Field Section:

- Clean up office and barn areas
- Run water on Tuesday (1/25/11) to flush well
- Bring supplies- Garbage bags, Toilet paper, and a water cooler (police responsible for water bottles)
- Move 2 desks and several chairs from Starvation Hill to Donahue-
Moved today (1/21/11)

3. The following items need to be or have already been purchased. Most of the items are one time purchases for the program:

Item	Store	Amount	Cost	Total
Paper towels		1	\$10.00	\$10.00
Rags	Loew's	3	\$5.98	\$17.94
Sump Pump	Loew's	1	\$88.00	\$88.00
Bleach	Loew's	2	\$3.97	\$7.94
Cleaning Supplies		1	\$20.00	\$20.00
Bungee cords		1	\$20.00	\$20.00
Garden Hose	Loew's	1	\$24.98	\$24.98
Garden Hose	Loew's	1	\$34.98	\$34.98
Nozzle	Loew's	1	\$8.77	\$8.77
Nozzle	Loew's	1	\$7.98	\$7.98
Broom	Loew's	2	\$14.39	\$28.78
Squeegee	Loew's	1	\$22.98	\$22.98
Shovel	Loew's	1	\$19.59	\$19.59
4 ft ladder	Loew's	1	\$49.00	\$49.00
Electric Pressure Washer	Loew's	1	\$49.00	\$49.00
Tarp (8x10)	Loew's	1	\$7.96	\$7.96
Tarp (12x16)	Loew's	1	\$21.98	\$21.98
Plastic Filing Cabinet	Loew's	1	\$139.00	\$139.00
Mouse Killer		1	\$20.00	\$20.00
Refrigerator	Loew's	1	\$139.00	\$139.00
Coffee Maker	Loew's	1	\$19.99	\$19.99
Coffee supplies		1	\$20.00	\$20.00
Stand	Cabela's	2	\$149.99	\$299.98
Box blinds	Cabela's	1	\$499.00	\$499.00
32 gal Garbage can	Loew's	3	\$13.98	\$41.94
Extension cords	Loew's	2	\$19.97	\$39.94
Extension cords	Loew's	1	\$24.20	\$24.20
Extension cord storage	Loew's	1	\$6.92	\$6.92
5 gal bucket for rags	Loew's	1	\$2.54	\$2.54
12" saw	Loew's	1	\$16.98	\$16.98
Extra saw blades	Loew's	1	\$3.38	\$3.38
Tree topper (rib cutter)	Loew's	1	\$22.98	\$22.98
Shooting bench legs	Menard's	1	\$70.32	\$70.32
Shooting bench supplies	Ace	1	\$26.99	\$26.99
Chain to lock stands	Home Depot	19	\$1.10	\$20.90
Markers (for bait pile)	Home Depot	6	\$2.68	\$16.08
Gambrel	Cabela's	8	\$9.99	\$79.92
Utility sled	Cabela's	2	\$49.99	\$99.98
Game hanger tripod	Cabela's	2	\$149.99	\$299.98
Game hanger single	Cabela's	1	\$29.99	\$29.99
				\$2,379.89

The removal of the items, the cleaning of the facility and a majority of these items will be purchased and in place by the January 28th, 2011 deadline. Miscellaneous items to be purchased by other departments are rubber ribs (RM), water cooler (Ops), and screening (Ops). Rubber boots are to be supplied by the employee at this time.

4. Deer Processing costs, for 5 deer per night:
 - a. Meat processing from Freedom Sausage is \$31.00 per deer
 - b. Gut rendering from Kaluzny is \$50.00 per pick up

Amount per deer (estimated):

Process	Company	Amount/deer
Meat	Freedom Sausage	\$31.00
Rendering	Kaluzny	\$5.00
		\$36.00

Amount per night (estimated):

Process	Company	Amount/night
Meat	Freedom Sausage	\$155.00
Rendering	Kaluzny	\$25.00
		\$180.00

Numbers reflect if we culled 5 deer per night, and had the gut piles picked up every other day.

The original Deer Management proposal had a goal of between 332 and 388 deer to be culled. Listed below are the numbers for the minimum amount of deer culled with the estimated \$5.00 per deer for gut rendering.

Process	Per deer	Goal minimum	Totals
Meat Processing	\$31.00	332	\$10,292.00
Gut Rendering	\$5.00	332	\$1,660.00
			\$11,952.00

With the limited time frame now allowed, a more realistic goal would be 100 deer for this permit period:

Process	Per deer	Goal minimum	Totals
Meat Processing	\$31.00	100	\$3,100.00
Gut Rendering	\$5.00	100	\$500.00
			\$3,600.00

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Attachment C

Sharpshooting Program Plan

**FOREST PRESERVE DISTRICT OF WILL COUNTY
DEER MANAGEMENT PROGRAM**

SHARPSHOOTING PROGRAM PLAN

Should the Forest Preserve District of Will County (FPDWC) determine to implement a sharpshooting program, either to augment a public hunting program or as a stand alone program, the following would be the preliminary parameters for the program. This program would consist of utilizing FPDWC Police personnel as sharpshooters, field dressers and transportation for the carcasses to a meat processing facility. Utilizing qualified and approved volunteers at various stages in this process will lower the overall cost per deer.

Program Goals

The goal of this program is to decrease the deer population in the preserves; therefore, the focus would be on decreasing the number of female deer (does) in the preserves. The program would use FPDWC Police Officers, who are skilled in shooting, to decrease the deer population. The goal would be to get the deer per square mile down to 20-30. The program would operate on the same philosophies as a possible hunting program:

1. Safety is the primary priority of the sharpshooting program. The highest standards of safety are demanded from all participants and staff involved in the program. Safety will not be compromised.
2. Only deer populations determined to be overabundant and being actively managed are in the scope of the program. Overabundant populations are determined through regular population surveys and assessment of browse impacts to a site's vegetation community.
3. The activities of the sharpshooting program will be tailored to prevent significant changes to the FPDWC-established pattern of public use on its sites. Sites suitable for accommodating hunting and/or sharpshooting activities are identified through a preserve suitability analysis which examines factors such as size and configuration, restrictions of local firearm discharge ordinances, and ownership status.

Terminology

Deer Population Control Permit (DPCP) – DPCPs are issued to agencies, organizations, associations and municipalities, but are not issued to individual landowners. These permits authorize the reduction or control of deer numbers by

non-traditional or non-hunting methods. DPCPs are issued for a maximum of 90 days (time extensions are possible). There is no limit on the number of deer that can be taken, but the number proposed to be collected must be justified and documented.

Field dressing – the process of removing the internal organs of hunted game, and is a necessary step in preserving meat from animals harvested in the wild. Field dressing must be done as soon as possible in order to ensure rapid body heat loss, and prevent bacteria from growing on the surface of the carcass.

FOID card (Firearm Owners Identification) – To legally possess or purchase firearms or ammunition, residents of the state of Illinois are required to have a FOID card.

Sharpshooter – a person skilled in shooting, esp. with a rifle. A rating below expert and above marksman, assigned to one who has qualified with a specific score in rifle marksmanship. A person who has achieved such a rating.

Sharpshooting – High proficiency in shooting firearms.

United States Department of Agriculture (USDA) – the department of the U.S. federal government that institutes and administers all federal programs dealing with agriculture.

Weapon – DPCPs will not authorize the use of archery equipment, handguns, muzzle-loading rifles, etc. Only modern rifles or shotguns will be permitted for sharpshooting programs. DPCPs will not be issued for experimental techniques (e.g. sterilization or immunocontraception) or for the live-capture and translocation of deer.

Sharpshooting Deer Culling Season

The Sharpshooting season would be a period of 90 days. In this 90 day period there would only be 65 working days to avoid overtime. IDNR recommends that the sharpshooting season be during the cooler months (November to March), since the deer collected must be used for human consumption. According to IDNR, “If the permit applicant is proposing to take deer at bait stations via sharpshooters, all sharpshooter candidates must be tested and seasonally-approved by IDNR prior to deer program implementation. There is no limit on the number of sharpshooters, but all sharpshooters, who are Illinois residents, must also have a valid Illinois Firearms Owner’s Identification (FOID) card. Also to insure public safety, all proposed shooting or bait sites must be viewed and approved by IDNR prior to their

use. Lethal techniques authorized under DPCPs must be such that the resulting deer carcasses are suitable for human consumption. The permittee is required to have all usable deer carcasses processed at a State or Federally-licensed and inspected meat processing facility and to donate the processed venison to a bonafide charitable organization. Unusable deer carcasses must be disposed of in accordance with the Illinois Dead Animal Disposal Act.”

Costs

The following are preliminary costs for executing the sharpshooting program. The costs are broken down into various categories, including but not limited to personnel, ammunition, training, meat processing and transportation. The breakdowns also include the cost per deer when utilizing three officers/no volunteers, two officers/one volunteer and one officer/two volunteers.

90 day permit/ 7 days a week =12.85 weeks
 12.85 x 5 working days = 64.25 working days during the 90 day permit (to avoid OT)
 = 65 working days

Minimum and Maximum deer needed to be removed to meet the 20-30 deer per square mile goal:

Minimum – 332	Maximum – 406	Mean - 370
4.69 deer per night	6.24 deer per night	5.69 deer per night

Staffing the Program with all FPDWC Police

3 Patrol Officers per night to obtain the goal of 5-6 deer per night
 Between \$19.59/hr and \$22.59/hr = Avg \$21.09/hr
 (For PO or MPO, excluding Sgts)
 Replacement on shifts with Part Time PO - \$19.59/hr

	No of Officers	Permit Period	Shift	Hourly Rate	Total
Sharpshooter	3	65	8	\$21.09	\$32,900.40
Replacement	3	65	8	\$19.59	\$30,560.40
Total Personnel Costs =					\$63,460.80

Ammunition – .223 rounds, \$366/case (1,000 rounds per case)
 2 cases needed
= \$732 for ammunition

Training – costs for training the officers that will be sharpshooters.
 8 hour training course x 3 officers (\$21.09/hr)
3 Patrol Officers = \$506.16 for training
2 Patrol Officers = \$337.44
1 Master Patrol Officer = \$180.72

Meat Processing – Freedom Sausage Company, Earlville, IL - \$31.00 carcass
 If we obtain the average of 370 deer x \$31
= \$11,470 for processing meat

Transporting meat – 120 miles round trip at \$.50/mile = \$60/trip
 3 hours for trip at \$19.59/hr = \$58.77
 =\$118.77 per trip
 Approximately 65 trips needed
= \$7,720.05 for transporting meat by officers

= \$60/trip x 65 trips (mileage only)
= \$3,900 for transporting meat by volunteers

Personnel	\$63,460.80
Ammunition	\$732.00
Training	\$506.16
Meat Processing	\$11,470.00
Transportation	\$7,720.05
	\$83,889.01

\$83,889.01 / 370 = \$226.73

\$227 per deer

Staffing the program with two Patrol Officers and one Volunteer

	No of Officers	Permit Period	Shift	Hourly Rate	Total
Sharpshooter	2	65	8	\$21.09	\$21,933.60
Replacement	2	65	8	\$19.59	\$20,373.60
Total Personnel Costs =					\$42,307.20

Personnel	\$42,307.20
Ammunition	\$732.00
Training	\$337.44
Meat Processing	\$11,470.00
Transportation	\$3,900.00
	\$58,746.64

$$\$58,746.64 / 370 = \$158.77$$

\$159 per deer

Staffing the program with one Master Patrol Officer and two Volunteers

	No of Officers	Permit Period	Shift	Hourly Rate	Total
Sharpshooter	1	65	8	\$22.59	\$11,746.80
Replacement	1	65	8	\$19.59	\$10,186.80
Total Personnel Costs =					\$21,933.60

Personnel	\$21,933.60
Ammunition	\$732.00
Training	\$180.72
Meat Processing	\$11,470.00
Transportation	\$3,900.00
	\$38,216.32

$$\$38,216.32 / 370 = \$103.29$$

\$103 per deer

Volunteer Assistance

Volunteers can be utilized in different aspects of the sharpshooting program. They can participate as sharpshooters, assist with field dressing and transporting the carcass to the meat processing facility. Volunteer job descriptions will be created for the duties of sharpshooter, field dresser and/or transporter. Applicants applying for the volunteer sharpshooter must sign a waiver of liability and agree to allow FPDWC police to complete a criminal background investigation as part of the application process. Due to the increased liability, applicants with prior Law Enforcement or military experience will be given preference. Background investigations will consist of verification of possession of a valid FOID (Firearms Owners Identification) card and completion of a criminal history query (CQH). Before issuing a FOID card, the Illinois State Police determines that individuals do not have any felony convictions or weapons violations on their record and also

examine the individual's mental health history. FPDWC police also complete a CQH looking for similar record occurrences since an individuals FOID card was issued. Any applicant found to have a felony conviction, weapons violation, or history of mental health should not possess a FOID card and will be denied the volunteer position. Volunteers approved for the positions of sharpshooting and field dresser will be required to complete a training course. Volunteer sharpshooters must be tested and approved by IDNR prior to deer program implementation.

2010 – 2011 Deer Management Program Summary Report

Attachment D

Shots Fired

**2010 - 2011 Deer Management Program Summary Report
Shots Fired**

Sharpshooters:		Number of Shots Taken:	Number of Deer Harvested:	%
Police:				
Veron	Robert	35	34	97%
Reid	Nicholas	26	25	96%
Povalish	Cameron	23	20	87%
Olszewski	Dan	3	3	100%
Barrios	David	1	1	100%
Volunteers:				
Miller	John	16	15	94%
Shoemaker	Kenneth	14	12	86%
Latz	John	10	10	100%
Hill	Shawn	8	7	88%
Gutowski	Steven	5	4	80%
Blaskey	Dave	7	3	43%
Total:		148	134	91%

2010 – 2011 Deer Management Program Summary Report

Attachment E

Demographic Information

**2010 - 2011 Deer Management Program Summary Report
Demographic Information**

Age Class by Preserve				
Preserve	Adult	Fawn	Yearling	Total
Messenger	26 (53.06%)	15 (30.61%)	8 (16.33%)	49
McKinley Woods	44 (58.67%)	20 (26.67%)	11 (14.67%)	75
Lockport Prairie	1 (10%)	5 (50%)	4 (40%)	10
Total	71 (52.98%)	41 (30.60%)	22 (16.42%)	134

Sex Ratio			
Preserve	Female	Male	Total
Messenger	35 (71.43%)	14 (28.57%)	49
McKinley Woods	59 (78.67%)	16 (21.33%)	75
Lockport Prairie	8 (80%)	2 (20%)	10
Total	102 (76.12%)	32 (23.88%)	134

Gravid Females by Preserve			
Preserve	Gravid	Not Gravid	Total Females
Messenger	23 (65.72)	12 (34.29%)	35
McKinley	40 (67.80%)	19 (32.20%)	59
Lockport	5 (62.5%)	3 (37.50%)	8
Total	68 (66.67%)	34 (33.33%)	102

Reproductive Potential				
Preserve	# Fetuses/Deer			Total
	1	2	3	
Messenger	5 (21.74%)	17 (73.91)	1 (4.34%)	23
McKinley Woods	13 (32.5%)	27 (67.5%)	0	40
Lockport Prairie	2 (40%)	3 (60%)	0	5
Total	20 (29.41%)	47 (69.12%)	1 (1.47%)	68

CWD Samples				
Samples Shipped	Adult	Yearling	Fawn	Total
2/18/2011	26	7		43
3/18/2011	33	14		49
4/4/2011	12	1		13
Total by age class	71	22	12	105

Average Deer Weights by Age and Sex--All Sites			
	total weight	# of deer	ave wt
Female			
Adult	8564	65	131.75
Yearling	1347	14	96.21
Fawn	1687	23	73.35
Total Ave. Female	11598	102	113.71
Male			
Adult	824	6	137.33
Yearling	1072	9	119.11
Fawn	1451	17	85.35
Total Ave Male	3347	32	104.59
Grand Total of All Deer	14945	134	111.53

McKinley Woods			
Average Deer Weights by Age and Sex			
	total weight	# of deer	ave wt
Female			
Adult	5615	43	130.58
Yearling	581	6	96.83
Fawn	665	10	66.5
Total	6861	59	116.288
Male			
Adult	140	1	140
Yearling	592	5	118.4
Fawn	838	10	83.8
Total	1570	16	98.13

Messenger Woods			
Average Deer Weights by Age and Sex			
	total weight	# of deer	ave wt
Female			
Adult	2834	21	134.95
Yearling	450	5	90
Fawn	694	9	77.11
Total	3978	35	113.66
Male			
Adult	684	5	136.8
Yearling	375	3	125
Fawn	533	6	88.83
Total	1592	14	113.71

Lockport Prairie			
Average Deer Weights by Age and Sex			
	total weight	# of deer	ave wt
Female			
Adult	115	1	115
Yearling	316	3	105.33
Fawn	328	4	82
Total	759	8	94.88
Male			
Adult	0	0	0
Yearling	105	1	105
Fawn	80	1	80
Total	185	2	92.5

2010 – 2011 Deer Management Program Summary Report

Attachment F

Chronic Wasting Disease Testing

**2010 - 2011 Deer Management Program Summary Report
Chronic Wasting Disease Testing**

IDNR Tag Number	Deer Collected From:	Sex	Age	Weight	Date Collected	Date Delivered	CWD Sample Shipped	Test Results
130001	McKinley Woods	female	adult	140	2/9/2011	2/10/2011	2/18/2011	negative
130002	McKinley Woods	female	adult	130	2/9/2011	2/10/2011	2/18/2011	negative
130003	McKinley Woods	female	adult	152	2/9/2011	2/10/2011	2/18/2011	negative
130004	McKinley Woods	female	adult	142	2/9/2011	2/10/2011	2/18/2011	negative
130005	McKinley Woods	female	adult	134	2/9/2011	2/10/2011	2/18/2011	negative
130006	McKinley Woods	male	yearling	122	2/9/2011	2/10/2011	2/18/2011	negative
130007	McKinley Woods	female	adult	135	2/9/2011	2/10/2011	2/18/2011	negative
130008	McKinley Woods	female	adult	120	2/10/2011	2/11/2011	2/18/2011	negative
130009	McKinley Woods	female	fawn	74	2/10/2011	2/11/2011	2/18/2011	negative
130010	McKinley Woods	female	fawn	60	2/10/2011	2/11/2011	2/18/2011	negative
130011	McKinley Woods	female	fawn	73	2/10/2011	2/11/2011	2/18/2011	negative
130012	McKinley Woods	female	adult	106	2/10/2011	2/11/2011	2/18/2011	negative
130013	McKinley Woods	female	yearling	84	2/10/2011	2/11/2011	2/18/2011	negative
130014	McKinley Woods	female	adult	130	2/10/2011	2/11/2011	2/18/2011	negative
130015	McKinley Woods	female	adult	142	2/10/2011	2/11/2011	2/18/2011	negative
130016	McKinley Woods	male	fawn	86	2/14/2011	2/15/2011	2/18/2011	negative
130017	McKinley Woods	female	adult	130	2/14/2011	2/15/2011	2/18/2011	negative
130018	McKinley Woods	female	fawn	78	2/14/2011	2/15/2011	2/18/2011	negative
130019	McKinley Woods	female	adult	152	2/14/2011	2/15/2011	2/18/2011	negative
130020	McKinley Woods	female	adult	158	2/14/2011	2/15/2011	2/18/2011	negative
130021	McKinley Woods	female	adult	124	2/14/2011	2/15/2011	2/18/2011	negative
130022	McKinley Woods	male	fawn	122	2/14/2011	2/15/2011	2/18/2011	negative
130023	McKinley Woods	female	fawn	70	2/14/2011	2/15/2011	2/18/2011	negative
130024	McKinley Woods	male	fawn	84	2/15/2011	2/16/2011	2/18/2011	negative
130025	McKinley Woods	female	adult	140	2/15/2011	2/16/2011	2/18/2011	negative
130026	McKinley Woods	female	adult	140	2/15/2011	2/16/2011	2/18/2011	negative
130027	McKinley Woods	female	adult	130	2/15/2011	2/16/2011	2/18/2011	negative
130028	McKinley Woods	female	adult	150	2/15/2011	2/16/2011	2/18/2011	negative
130029	McKinley Woods	female	adult	128	2/15/2011	2/16/2011	2/18/2011	negative
130030	McKinley Woods	male	fawn	89	2/15/2011	2/16/2011	2/18/2011	negative
130031	McKinley Woods	male	yearling	108	2/15/2011	2/16/2011	2/18/2011	negative
130032	McKinley Woods	female	adult	132	2/16/2011	2/17/2011	2/18/2011	negative
130101	Messenger Woods	female	adult	132	2/16/2011	2/17/2011	2/18/2011	negative
130102	Messenger Woods	female	yearling	90	2/16/2011	2/17/2011	2/18/2011	negative
130034	McKinley Woods	male	yearling	135	2/17/2011	2/18/2011	2/18/2011	negative
130035	McKinley Woods	female	adult	110	2/17/2011	2/18/2011	2/18/2011	negative
130103	Messenger Woods	female	yearling	79	2/17/2011	2/18/2011	2/18/2011	negative
130104	Messenger Woods	male	fawn	88	2/17/2011	2/18/2011	2/18/2011	negative
130105	Messenger Woods	female	adult	154	2/17/2011	2/18/2011	2/18/2011	negative
130106	Messenger Woods	female	yearling	88	2/17/2011	2/18/2011	2/18/2011	negative
130107	Messenger Woods	female	adult	134	2/17/2011	2/18/2011	2/18/2011	negative
130108	Messenger Woods	female	adult	158	2/17/2011	2/18/2011	2/18/2011	negative
130109	Messenger Woods	female	adult	144	2/17/2011	2/18/2011	2/18/2011	negative
130036	McKinley Woods	female	adult	132	2/21/2011	2/22/2011	3/18/2011	negative
130038	McKinley Woods	female	yearling	96	2/21/2011	2/22/2011	3/18/2011	negative
130110	Messenger Woods	male	fawn	95	2/22/2011	2/23/2011	3/18/2011	negative
130111	Messenger Woods	male	adult	149	2/22/2011	2/23/2011	3/18/2011	negative
130112	Messenger Woods	male	yearling	122	2/22/2011	2/23/2011	3/18/2011	negative
130039	McKinley Woods	female	adult	130	2/23/2011	2/24/2011	3/18/2011	negative
130040	McKinley Woods	male	yearling	112	2/23/2011	2/24/2011	3/18/2011	negative
130041	McKinley Woods	female	adult	110	2/23/2011	2/24/2011	3/18/2011	negative
130115	Messenger Woods	female	adult	112	2/23/2011	2/24/2011	3/18/2011	negative
130043	McKinley Woods	female	adult	129	2/24/2011	2/25/2011	3/18/2011	negative
130044	McKinley Woods	female	adult	126	2/24/2011	2/25/2011	3/18/2011	negative

**2010 - 2011 Deer Management Program Summary Report
Chronic Wasting Disease Testing**

Carcass Tag Number	Deer Collected From:	Sex	Age	Weight	Date Collected	Date Delivered	Shipped	Test Results
130045	McKinley Woods	female	adult	124	2/24/2011	2/25/2011	3/18/2011	negative
130046	McKinley Woods	male	adult	140	2/24/2011	2/25/2011	3/18/2011	negative
130047	McKinley Woods	female	adult	150	2/24/2011	2/25/2011	3/18/2011	negative
130048	McKinley Woods	female	adult	131	2/24/2011	2/25/2011	3/18/2011	negative
060471	Lockport Prairie	female	yearling	96	2/28/2011	3/1/2011	3/18/2011	negative
060472	Lockport Prairie	male	yearling	105	2/28/2011	3/1/2011	3/18/2011	negative
130116	Messenger Woods	female	adult	120	2/28/2011	2/25/2011	3/18/2011	negative
130118	Messenger Woods	female	adult	135	3/1/2011	3/2/2011	3/18/2011	negative
130120	Messenger Woods	female	adult	140	3/1/2011	3/2/2011	3/18/2011	negative
130123	Messenger Woods	female	yearling	90	3/1/2011	3/2/2011	3/18/2011	negative
060474	Lockport Prairie	female	yearling	125	3/2/2011	3/3/2011	3/18/2011	negative
060475	Lockport Prairie	female	adult	115	3/2/2011	3/3/2011	3/18/2011	negative
060476	Lockport Prairie	female	yearling	95	3/2/2011	3/3/2011	3/18/2011	negative
130049	McKinley Woods	female	adult	130	3/3/2011	3/4/2011	3/18/2011	negative
130050	McKinley Woods	male	yearling	115	3/3/2011	3/4/2011	3/18/2011	negative
130051	McKinley Woods	female	adult	140	3/3/2011	3/4/2011	3/18/2011	negative
130054	McKinley Woods	female	adult	130	3/3/2011	3/4/2011	3/18/2011	negative
130125	Messenger Woods	female	adult	115	3/3/2011	3/4/2011	3/18/2011	negative
130126	Messenger Woods	female	adult	140	3/7/2011	3/8/2011	3/18/2011	negative
130127	Messenger Woods	male	yearling	135	3/7/2011	3/8/2011	3/18/2011	negative
130129	Messenger Woods	female	adult	135	3/7/2011	3/8/2011	3/18/2011	negative
060478	Lockport Prairie	female	fawn	125	3/8/2011	3/9/2011	3/18/2011	negative
130130	Messenger Woods	female	adult	115	3/8/2011	3/9/2011	3/18/2011	negative
130132	Messenger Woods	female	adult	150	3/8/2011	3/9/2011	3/18/2011	negative
130058	McKinley Woods	female	yearling	100	3/9/2011	3/10/2011	3/18/2011	negative
130059	McKinley Woods	female	adult	130	3/9/2011	3/10/2011	3/18/2011	negative
130134	Messenger Woods	female	adult	145	3/9/2011	3/10/2011	3/18/2011	negative
130135	Messenger Woods	female	yearling	103	3/9/2011	3/10/2011	3/18/2011	negative
130136	Messenger Woods	female	adult	125	3/9/2011	3/10/2011	3/18/2011	negative
130060	McKinley Woods	female	adult	110	3/10/2011	3/11/2011	3/18/2011	negative
130061	McKinley Woods	female	adult	118	3/10/2011	3/11/2011	3/18/2011	negative
130063	McKinley Woods	female	adult	110	3/15/2011	3/16/2011	3/18/2011	negative
130064	McKinley Woods	female	adult	130	3/15/2011	3/16/2011	3/18/2011	negative
130065	McKinley Woods	female	yearling	101	3/16/2011	3/17/2011	3/18/2011	negative
130066	McKinley Woods	female	yearling	100	3/16/2011	3/17/2011	3/18/2011	negative
130067	McKinley Woods	female	adult	145	3/16/2011	3/17/2011	3/18/2011	negative
130068	McKinley Woods	female	adult	121	3/16/2011	3/17/2011	3/18/2011	negative
130069	McKinley Woods	female	adult	129	3/16/2011	3/17/2011	3/18/2011	negative
130137	Messenger Woods	female	adult	120	3/16/2011	3/17/2011	4/4/2011	negative
130138	Messenger Woods	female	adult	145	3/16/2011	3/17/2011	4/4/2011	negative
130140	Messenger Woods	female	adult	125	3/17/2011	3/18/2011	4/4/2011	negative
130070	McKinley Woods	female	adult	135	3/21/2011	3/22/2011	4/4/2011	negative
130071	McKinley Woods	female	yearling	100	3/21/2011	3/22/2011	4/4/2011	negative
130072	McKinley Woods	female	adult	125	3/21/2011	3/22/2011	4/4/2011	negative
130073	McKinley Woods	female	adult	105	3/22/2011	3/22/2011	4/4/2011	negative
130142	Messenger Woods	male	adult	125	3/22/2011	3/23/2011	4/4/2011	negative
130143	Messenger Woods	female	adult	150	3/22/2011	3/23/2011	4/4/2011	negative
130145	Messenger Woods	male	adult	135	3/23/2011	3/24/2011	4/4/2011	negative
130146	Messenger Woods	female	adult	140	3/23/2011	3/24/2011	4/4/2011	negative
130147	Messenger Woods	male	adult	130	3/23/2011	3/24/2011	4/4/2011	negative
130149	Messenger Woods	male	adult	145	3/23/2011	3/24/2011	4/4/2011	negative

2010 – 2011 Deer Management Program Summary Report

Attachment G

Aerial Deer Population Counts

**2010 - 2011 Deer Management Program Summary Report
Aerial Deer Population Counts**

Preserve & Unit	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2005	2006	2007	2008	2009	2010/2011
PLUM VALLEY GREENWAY		385	382	293		272	115	402	355			577		330		308
Plum Valley Ravines		115	131	121		122	40	154	149			227		163		149
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				
Plum Valley Preserve		40	49	44		55	30	69	55			74		57		61
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		
Goodenow Grove and Plum Grove Area		196	161	117		83	44	143	115			169		110		98
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)		34	41	11		12	1	36	36			107				
RACCOON GROVE PRESERVE AREA	133	115	99	94	58	65	58	55	63				64		88	10
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	
THORN CREEK WOODS PRESERVE AREA	237	199	411	320	110	181	174	247	252				327		373	99
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			
SPRING CREEK GREENWAY	22		48	62		59	4	76	173	116			139		160	48
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
Hadley Valley East																20
Hadley Valley West																4
Adjacent residential and ag properties									38	34						
Walnut Hollow																18

**2010 - 2011 Deer Management Program Summary Report
Aerial Deer Population Counts**

Preserve & Unit	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2005	2006	2007	2008	2009	2010/2011
HICKORY CREEK PRESERVE AREA		119	159	92	38	94	40	75				155		200		147
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	
KANKAKEE SANDS PRESERVE AREA			53			39	28	84		81			150	112		
Braidwood Preserve Area			24			16	2	30		14			37	31		29
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			29			23	26	54		67			113	81		79
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	
DES PLAINES RIVER WATERSHED																
Lockport Prairie			44			8	25	38	41			29		24		27
Main Preserve (Rt. 53 E to River, S of Rt. 7)								38	41			29		24		27
South Unit			17			5	11		30					15		
North Unit			27			3	14		11					9		
Romeoville Prairie			18			0	42	30	47			54		28		27
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			16			15	10	36				34		4		61
Veterans Woods Preserve								14				15		16		36
Main Preserve														7		31
Adjacent properties														9		5
Main Preserve including adjacent properties								14				15				
Prairie Bluff																33
MCKINLEY WOODS PRESERVE AREA						79	66	92					180	122		137
Main Preserve						79	66	92					180	110		132
FREEC														0		0
Conroy Island														12		5

**2010 - 2011 Deer Management Program Summary Report
Aerial Deer Population Counts**

Preserve & Unit	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2005	2006	2007	2008	2009	2010/2011
ROCK RUN GREENWAY							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
FORKED CREEK GREENWAY								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	
BLACK WALNUT GROVE WATERSHED																
Black Walnut Grove															0	
LILY CACHE WATERSHED																
Lily Cache Wetland																0
O'hara Woods																4
Lake Renwick																20
DU PAGE RIVER WATERSHED																
Bird's Junction Marsh																23
Hammel Woods																27
Hammel Woods North																5
Hammel Woods South																22
Lake Chaminwood																0
JACKSON CREEK WATERSHED																
Jackson Creek															0	

2010 – 2011 Deer Management Program Summary Report

Attachment H

Deer Population Density Estimates

**2010 - 2011 Deer Management Program Summary Report
Deer Population Density Estimates**

Preserve & Unit	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2005	2006	2007	2008	2009	2010/2011
PLUM VALLEY GREENWAY		71	71	54		50	22	74	67			82		73		68
Plum Valley Ravines		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				
Plum Valley Preserve		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		
Goodenow Grove and Plum Grove Area		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				
RACCOON GROVE PRESERVE AREA	100	89	57	31	19	21	19	18	20		37		52	9		
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		
THORN CREEK WOODS PRESERVE AREA	51	57	82	64	41	51	49	70	72		80		106	28		
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					
SPRING CREEK GREENWAY	11		22	28		29	2	37	65	53		53		88	23	140
Messenger Woods	11		27	35		42	4	41	50	27		58		133		93
Messenger Marsh South	0		31	31		42	0	72	109	81				114		130
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

**2010 - 2011 Deer Management Program Summary Report
Deer Population Density Estimates**

Preserve & Unit	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2005	2006	2007	2008	2009	2010/2011
HICKORY CREEK PRESERVE AREA		50	65	39	16	40	17	32				48		62		45
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	
KANKAKEE SANDS PRESERVE AREA			22			38	27	81		45			38	36		
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	
DES PLAINES RIVER WATERSHED																
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
MCKINLEY WOODS PRESERVE AREA						116	97	135					214	110		123
Main Preserve						116	97	135					214	131		157
FREEC														0		0
Conroy Island														150		63

**2010 - 2011 Deer Management Program Summary Report
Deer Population Density Estimates**

Preserve & Unit	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2005	2006	2007	2008	2009	2010/2011
ROCK RUN GREENWAY							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
FORKED CREEK GREENWAY								17								
Donahue Grove															103	
Forked Creek															17	
Forsythe Woods								17								
Hyuck's Grove															9	
Fiddymont Creek															71	50
Laughton 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	
BLACK WALNUT GROVE WATERSHED																
Black Walnut Grove															0	
LILY CACHE WATERSHED																
Lily Cache Wetland																0
O'hara Woods																50
Lake Renwick																39
DU PAGE RIVER WATERSHED																
Bird's Junction Marsh																256
Hammel Woods																41
Hammel Woods North																26
Hammel Woods South																47
Lake Chaminwood																0
JACKSON CREEK WATERSHED																
Jackson Creek Preserve															0	