

FINAL REPORT

2010 Deer Management Program

Town and Country, Missouri

by

White Buffalo, Inc.

4 January 2011

INTRODUCTION

The City of Town and Country contains a matrix of suburban and commercial development, parks, and other open-spaces. The absence of any deer management combined with fertile soils allowed the local deer population to increase to a level incompatible with some land use and human activities prior to our involvement. Although deer physical condition is not an issue, there is ongoing concern regarding numerous deer/vehicle collisions and damage to garden and landscape plantings. This is the second year in which a deer population management program was implemented.

METHODS

Prebaiting was conducted from 22 November – 9 December 2010 and deer sterilization activities began on 8 December 2010 and continued through 15 December. During the 8-day capture and sterilization period, 6 days of fieldwork were required to achieve the sterilization of 30 deer. Sharpshooting efforts began on 10 December 2010 and continued through 18 December. During the 9-day removal period, 8 days of fieldwork were required to achieve the harvest of 75 deer. No removal efforts were conducted on one day during this time period due to inclement weather.

We followed the operations protocol outlined in the contract and changes agreed to verbally prior to the onset of site preparations. Sixteen sites were available throughout the area of operation. Two sterilization and one sharpshooting site were not used due to time constraints and deer activity incompatible with operational scheduling.

RESULTS

The entire data set generated from harvested deer is represented in the spreadsheet entitled "City of Town and Country - Deer Harvest: 10 – 18 December 2010" (Appendix A). The capture data is contained in Appendix B – "City of Town and Country – Capture History 8 – 15 December 2010". The overall harvest demographics are summarized in Table 1. Harvest by day is summarized in Table 2. We expended 160 person-hours for the sharpshooting activities

(75 deer harvested). In comparison, we expended 182.5 person-hours (excluding the veterinarian - ~68 person-hours) for the capture and surgical sterilization efforts (30 deer sterilized).

Table 1. Sex and age class of deer harvested in Town and Country, Missouri from 10-18 December 2010.

AGE	# MALE (%)	# FEMALE (%)	# COMBINED
Fawn	17 (23)	8 (11)	25 (34)
Yearling/Adult	25 (33)	25 (33)	50 (66)
Total	42 (56)	33 (44)	75 (100)

Table 2. Number of deer harvested by day during the 8 days of field operations.

DATE	# Harvested
12/10/10	11
12/11/10	3
12/13/10	21
12/14/10	14
12/15/10	5
12/16/10	14
12/17/10	4
12/18/10	3

Population estimates

See attached population estimation report.

Discussion

Bait acceptance by deer was marginalized this year due to an unusually heavy mast crop. This affected the capture sites for sterilization to a greater extent than the lethal sites. Only one female deer was captured from the stationary darting locations. Male activity at the bait sites prevented females from accessing the bait in a predictable manner. On several occasions females would attempt to feed at the bait sites only to be run off by males causing a loss in darting productivity. This was a lesser problem at the sharpshooting sites as the males were lethally removed which in-turn prevented the females from becoming discouraged attempting to access the bait. This is clearly demonstrated in the harvest results, fifty percent of the adult age class harvest was male. Without the ability to remove those animals our productivity would have been severely compromised, similar to the stationary darting results.

We would like to thank the following individuals and organizations for assistance provided prior to and during the culling period: Fred Meyland-Smith and Lynn Wright, Captain Gary Hoelzer, Chris Hunt and John Nienhaus from the Police Department, Tom Thousand, Matt Broderick, and John's Butcher Shop (venison processing for charitable donation).

Appendix A - City of Town and Country – Deer Harvest: 10-18 December 2010

DATE	TAG #	SEX	AGE	Street Address
12/10/10	001	M	2.5	Conway
12/10/10	002	M	1.5	Conway
12/10/10	003	M	0.5	Conway
12/10/10	004	M	0.5	Conway
12/10/10	005	M	0.5	Conway
12/10/10	006	F	1.5	Dry Ridge
12/10/10	007	F	1.5	Dry Ridge
12/10/10	008	M	0.5	Dry Ridge
12/10/10	009	F	0.5	Dry Ridge
12/10/10	010	M	2.5	Dry Ridge
12/10/10	011	F	2.5	Dry Ridge
12/11/10	012	M	4.5	Old Colony
12/11/10	013	F	0.5	Old Colony
12/11/10	014	M	7.5	Mason Valley
12/13/10	015	F	4.5	Mason
12/13/10	016	M	0.5	Mason
12/13/10	017	M	0.5	Mason
12/13/10	018	F	6.5	Mason
12/13/10	019	F	0.5	Mason
12/13/10	020	F	0.5	Mason

12/13/10	021	F	3.5	Mason
12/13/10	022	M	1.5	Mason
12/13/10	023	M	1.5	Clayton
12/13/10	024	M	2.5	Clayton
12/13/10	025	M	1.5	Clayton
12/13/10	026	M	2.5	Clayton
12/13/10	027	F	6.5	Clayton
12/13/10	028	M	1.5	Clayton
12/13/10	029	M	0.5	Clayton
12/13/10	030	M	0.5	Clayton
12/13/10	031	M	2.5	Clayton
12/13/10	032	F	1.5	Clayton
12/13/10	033	F	0.5	Clayton
12/13/10	034	M	0.5	Clayton
12/13/10	035	M	1.5	Clayton
12/14/10	036	F	2.5	Tecumseh
12/14/10	037	M	0.5	Tecumseh
12/14/10	038	M	0.5	Tecumseh
12/14/10	039	M	1.5	Tecumseh
12/14/10	040	M	7.5	Tecumseh
12/14/10	041	M	3.5	Tecumseh
12/14/10	042	M	3.5	Conway Hill

12/14/10	043	M	2.5	Conway Hill
12/14/10	044	F	7.5	Conway Hill
12/14/10	045	F	2.5	Conway Hill
12/14/10	046	M	0.5	Conway Hill
12/14/10	047	M	0.5	Conway Hill
12/14/10	048	M	0.5	Conway Hill
12/14/10	049	F	0.5	Conway Hill
12/15/10	050	M	1.5	Post Oak
12/15/10	051	M	3.5	Post Oak
12/15/10	052	F	1.5	Post Oak
12/15/10	053	F	5.5	Post Oak
12/15/10	054	M	1.5	Sellenrick
12/16/10	055	F	1.5	Mason Valley
12/16/10	056	F	2.5	Mason Valley
12/16/10	057	F	0.5	Mason Valley
12/16/10	058	M	0.5	Mason Valley
12/16/10	059	M	3.5	Old Colony
12/16/10	060	F	3.5	Old Colony
12/16/10	061	M	0.5	Old Colony
12/16/10	062	F	7.5	Old Colony
12/16/10	063	F	11.5	Old Colony
12/16/10	064	F	1.5	Old Colony

12/16/10	065	F	9.5	Old Colony
12/16/10	066	M	0.5	Old Colony
12/16/10	067	F	6.5	Old Colony
12/16/10	068	F	2.5	Old Colony
12/17/10	069	F	1.5	Polo Downs
12/17/10	070	F	0.5	Conway
12/17/10	071	M	4.5	Conway
12/17/10	072	M	1.5	Conway
12/18/10	073	F	1.5	Conway Hill
12/18/10	074	F	1.5	Mason Valley
12/18/10	075	M	3.5	Mason Valley

Appendix B - Town and Country - Capture History 8-15 December 2010

Tag#	Age 10'	Treat 10'	Capture Date	Capture Method	Capture Location	Comments
101	3.5	OV	12/8/10	Dart	Featherstone	
102	1.5	OV	12/8/10	Dart	Kings Glen	
103	4.5	OV	12/8/10	Dart	Van Courtland	
104	2.5	OV	12/9/10	Dart	Bickford	
105	4.5	OV	12/10/10	Dart	Delvin	Found dead 12/10/10
106	0.5	OV	12/10/10	Dart	Delvin	With #105
107	1.5	OV	12/10/10	Dart	Tammany	
108	14+	OV	12/10/10	Dart	Delvin	Old collar #102MDC
109	0.5	OV	12/10/10	Dart	Delvin	With #108
110	0.5	OV	12/10/10	Dart	Delvin	
111	1.5	OV	12/11/10	Dart	Amersham	
112	4.5	OV	12/10/10	Dart	T and C Estates	
113	1.5	OV	12/11/10	Dart	Mason Valley	
114	2.5	OV	12/11/10	Dart	Thornhill	
115	13+	OV	12/13/10	Dart	Williamsburg Estates	Old MDC collar #64
116	4.5	OV	12/13/10	Dart	Peacock	
117	1.5	OV	12/14/10	Dart	Van Courtland	
118	0.5	OV	12/14/10	Dart	Karlin/Thornhill	With #114
119	5.5	OV	12/14/10	Dart	Mason/Buckland	
120	2.5	OV	12/14/10	Dart	Nettlecreek	
121	7.5	OV	12/14/10	Dart	Nettlecreek	Found Dead 12/14/10
122	2.5	OV	12/14/10	Dart	Mason Valley	
123	1.5	OV	12/14/10	Dart	Nettlecreek	
124	3.5	OV	12/15/10	Dart	Topping Woods Estate	
125	3.5	OV	12/15/10	Dart	Topping Manor	
176	2.5	OV	12/15/10	Dart	Topping Place	
177	2.5	OV	12/15/10	Dart	Glaze View	
178	3.5	OV	12/15/10	Dart	Thornhill	
179	4.5	OV	12/16/10	Dart	Post Oak	
180	0.5	OV	12/16/10	Dart	Paloma	