

Deer Harvest Report

Fort A.P. Hill, VA

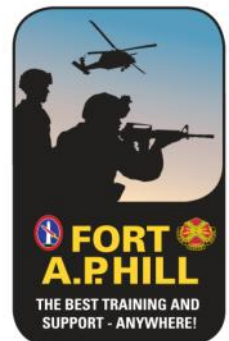
2011 – 2012



(Trail camera photo from TA 22)

U.S. Army Garrison Fort A.P. Hill
Directorate of Public Works
Environmental and Natural Resources Division
Fisheries & Wildlife Branch

Date: January 2012



FORT A.P. HILL 2011-12 SEASON DEER HARVEST REPORT

By the Numbers

The 2011-12 deer season harvest for Fort A.P. Hill (FAPH) totaled 827. Of that number 451 (54%) were bucks and 376 (46%) does. This year's harvest was an increase of 19% over last season's total of 674. The number of deer harvested per square mile of huntable land rose from 7.30 last season to 9.74 this season. Thirty-one percent of the antlered bucks killed had 8 or more points. Weights increased in both sexes and all age classes. Bucks that were 1.5 years old weights rose from 67.2 lbs last season to 73.8 lbs. The highest number of points on a buck was 13.

It will be worth your while to take some time and study the following data. In it you will find clues to what condition the deer herd is in and what regions of the Garrison hold both the biggest bucks and the most deer. There is a lot to absorb here but it is data that hunters should find useful. Pay special attention to harvest densities and hours hunted per deer harvested. To biologist this data gives us detailed information that show herd trends and health. Since the acorn failure and severe winter of 2009 that resulted in a rare deer die off, classes, the herd is showing a gradual rebound in population under current regulations. Many factors influence harvest numbers including number of either-sex days, weather, and amount of military training. The percentage of fawns in this season's harvest, the percentage of does lactating during archery season, and the average annual reduction rate, which is the percentage of one and one half year old does in the antlerless harvest, are all encouraging data indicating a healthy herd with potential to grow.

In a Nutshell

FAPH is over 90% forested thus the deer population, and most all FAPH wildlife for that matter, are greatly influenced by the success or failure of oak acorn production. The fall production of acorns in 2010 was outstanding. This past fall acorn production for white oaks was poor overall and red oak acorn production was moderate and spotty. Most deer on FAPH had no trouble finding plenty of acorns through the fall and early winter but most of the tree mast appeared to be gone by January. The 2011 summer, while hot, had plenty of rain resulting in lush vegetation growth for the herd through the stress of the summer heat. The deer responded to these "good times" by putting on weight, successfully raising fawns, and growing larger antlers.

EHD?

The Virginia Department of Game and Inland Fisheries indicated that several counties near FAPH had severe deer die off this past late summer and early fall due to an outbreak of epizootic hemorrhagic disease (EHD). Every deer checked in at FAPH is checked for an indicator of this disease. We found no deer with this indicator and had no reports of unexplained deer deaths that are common with EHD. Whew, EHD is always a worry in this region. Outbreaks are generally considered cyclic and the severity of outbreaks is believed to be determined by overall herd retained immunity. It is a disease that is monitored but can't be accurately predicted. EHD seems to be a constant in deer herds but major outbreaks take place when environmental factors and herds with low immunities to the disease align.

Scrapes, Rubs, and Rut

The deer breeding season dates, or rut, occur in a bell shaped curve of time. Chasing and breeding activities typically begin in September and will tail off in January. The peak of this rutting activity is the magical time when the majority of bucks drop their guard for a short period, cease being nocturnal, and are more likely to be up and moving during hunting hours. This is the time hunters have the best chance of encountering a larger buck. To biologists, this time is evident by the high percentage of larger bucks killed per hours hunted. In Virginia this peak usually occurs sometime during the first half of November. In 2011 the peak appeared to take place during the first week of the special muzzleloader season. All this is fine but if you are hunting in a section of woods where there are no does in heat, or coming into heat, these woods may seem very dead. It is all about being in the right place at the right time. Another big factor about this chasing stage is that it is important to consider that deer have their winter coats and if the weather is hot the amount of chasing may be limited or done mainly at the cooler night time periods. Speaking of warm weather, this past December was the second hottest on record. This certainly influenced both deer and hunter's movements.

Bruins and Pork

The 2011-12 season contained a milestone that was not completely unexpected. After many bear sightings over a wide area of FAPH the first ever recorded bear was harvested. The bear, a 151 lbs young male, was killed during archery season in TA 2. During the later portions of regular gun season a hunt club from near the Doswell area brought a large male bear they harvested to FAPH to be checked in since we are the only bear checking station in the county. Another surprise was a late season rash of feral pig sightings in the area south of FAPH and in a controlled access area on FAPH. Hopefully those pigs don't become established.

Outlook for Next Season

The harvest of 827 deer this season was very close to expectations, and herd health conditions indicate a stable to slowly growing deer herd that is healthy. With a very warm winter and favorable future weather conditions it is anticipated that conditions will continue slowly towards the desired herd level of 2009. With another good fawn crop, as was had this past spring, next season harvest numbers should be close to this season's or rise slightly.

It is still not too late to take the controlled area access briefing for this upcoming spring gobbler season. Call 804-633-8984 to schedule a briefing time. This briefing will not count towards next fall's required briefing for the 2012-13 seasons. Also, be sure to follow the FAPH Fish and Wildlife Section on Twitter. It's easy and free to do on any smart phone or home computer. Fish_n_Wildlife is our account name. Real time hunting and fishing news, open areas, projects, fish stockings and all of the big buck and fish photos are there for your pleasure. Look for an upcoming email invitation to take part in a short fish and wildlife online survey.

We look forward to seeing you during the upcoming spring gobbler season. It should be a good one.

Table 1: Harvest Totals and Percentage by Area and Sex

	Harvest		% of Total Harvest
Males	451		54.5%
TA	311	69.0%	37.6%
CA	140	31.0%	16.9%
Females	376		45.5%
TA	246	65.4%	29.7%
CA	130	34.6%	15.7%
Total Harvest	827		100.0%
TA	557		67.4%
CA	270		32.6%

Table 2a: Age Distribution

Age Class	Male		Female		Total	
	NO.	(%)	NO.	(%)	NO.	(%)
0.5 year-olds (Fawns)	82	18.2%	112	29.8%	194	23.5%
1.5 year-olds (Yearlings)	98	21.7%	62	16.5%	160	19.3%
2.5 year-olds	98	21.7%	68	18.1%	166	20.1%
3.5 year-olds	104	23.1%	64	17.0%	168	20.3%
4.5 year-olds	41	9.1%	35	9.3%	76	9.2%
5.5 year-olds	20	4.4%	16	4.3%	36	4.4%
6.5 year-olds	4	0.9%	16	4.3%	20	2.4%
7.5 year-olds	1	0.2%	1	0.3%	2	0.2%
8.5 year-olds +	0	0.0%	1	0.3%	1	0.1%
Unknown	3	0.7%	1	0.3%	4	0.5%
Totals	451		376		827	

Table 2b: Age Distribution Historical Comparison

Age Class	Male			Female			Total		
	2011-12	2010-11	2009-10	2011-12	2010-11	2009-10	2011-12	2010-11	2009-10
0.5 year-olds (Fawns)	18.2%	11.6%	26.1%	29.8%	15.0%	27.5%	23.5%	12.9%	26.8%
1.5 year-olds (Yearlings)	21.7%	17.6%	20.9%	16.5%	13.4%	15.7%	19.3%	16.0%	18.2%
2.5 year-olds	21.7%	30.2%	22.2%	18.1%	29.2%	18.8%	20.1%	29.8%	20.4%
3.5 year-olds	23.1%	24.0%	11.9%	17.0%	20.6%	9.8%	20.3%	22.7%	10.8%
4.5 year-olds	9.1%	10.0%	3.6%	9.3%	11.9%	6.5%	9.2%	10.7%	5.1%
5.5 year-olds	4.4%	3.1%	1.5%	4.3%	5.9%	5.1%	4.4%	4.2%	3.4%
6.5 year-olds	0.9%	1.7%	0.7%	4.3%	2.0%	2.4%	2.4%	1.8%	1.6%
7.5 year-olds	0.2%	0.2%	0.1%	0.3%	1.2%	0.6%	0.2%	0.6%	0.4%
8.5 year-olds +	0.0%	0.0%	0.0%	0.3%	0.4%	0.1%	0.1%	0.1%	0.1%
Unknown	0.7%	1.7%	13.0%	0.3%	0.4%	13.4%	0.5%	1.2%	13.2%

Table 2c: Age Distribution Historical Comparison

Year	Bucks - Age %			Does - Age %		
	0.5	1.5	2.5+	0.5	1.5	2.5+
2009	26%	21%	53%	27%	16%	57%
2010	12%	18%	71%	15%	13%	72%
2011	18%	22%	60%	30%	16%	54%

Table 3: Statistics for Females

Age Class	Dressed Weight		Lactation Rates (October)	
	Avg.	No.	Percent	No.
0.5 year-olds (Fawns)	38.1	112	-	-
1.5 year-olds (Yearlings)	62.0	62	-	-
2.5 year-olds	70.4	68	66.7%	6
3.5 year-olds +	73.5	133	81.8%	9

Table 4: Fawn & Yearling Statistics

	2011-12	2010-11	2009-10
Fawn to Doe Ratio # of fawns per bearing age (2.5+ yr old) doe harvested	0.97	0.48	0.67
% Fawns in total antlerless harvest	41.3%	28.2%	41.2%
% Fawns Total in the total deer harvest	23.5%	12.9%	26.8%
AARRF * % yearling females in the adult female deer harvest	23.6%	15.9%	26.6%
AARRM % yearling males in the adult antlered buck harvest	27.0%	20.3%	32.1%

* Average Annual Reduction Rate (AARR) – For herd trends biologists monitor females 1.5 yrs old and the data roughly interprets; 30% represents a stable herd, > 30% the herd is increasing, and < 30% the herd is decreasing. This year’s AARRF is 26.6%.

Table 5: Statistics for Males

Age Class	% of Total	Dressed Weight		Antler Points		Beam Diameter (mm)		Outside Spread (in)		Beam Length (in)	
		Avg.	No.	Avg.	No.	Avg.	No.	Avg.	No.	Avg.	No.
0.5 year-olds (Fawns)	18.2%	41.9	82	-	-	-	-	-	-	-	-
1.5 year-olds (Yearlings)	22.0%	73.8	99	3.1	93	15.2	91	7.6	90	8.5	92
2.5 year-olds	21.7%	96.3	98	6.3	96	24.6	96	14.5	95	15.4	96
3.5 year-olds +	37.7%	109.1	170	7.4	166	30.4	166	17.1	162	18.6	166

Table 6: Buck Harvest by Area and Number of Antler Points

# of Points	Total		TA		CA	
	#	D	#	D	#	D
BB	85	1.00	59	0.88	26	1.48
1	1	0.01	1	0.01	0	0.00
2	48	0.57	34	0.51	14	0.80
3	18	0.21	16	0.24	2	0.11
4	34	0.40	26	0.39	8	0.45
5	21	0.25	16	0.24	5	0.28
6	69	0.81	46	0.68	23	1.31
7	53	0.62	35	0.52	18	1.02
8	89	1.05	60	0.89	29	1.65
9	12	0.14	9	0.13	3	0.17
10	7	0.08	4	0.06	3	0.17
11	4	0.05	2	0.03	2	0.11
12	0	0.00	0	0.00	0	0.00
13	1	0.01	1	0.01	0	0.00
SHED	6	0.07	0	0.00	6	0.34
D = Density (# deer harvested per square mile)						

Table 7: Antler Measurements

	2011-12				2010-11		
	Total	TA	CA		Total	TA	CA
# Antlered	357	250	107		366	263	103
# 8pt +	113	76	37		117	69	48
% 8pt +	31.7%	30.4%	34.6%		32.0%	26.2%	46.6%
Harvest Density (8pt+ per SQ Mi)	1.33	1.13	2.10		1.27	0.95	2.44
% 1.5 w/ Spikes	51.6%	48.6%	60.9%		63.8%	66.7%	44.4%
Avg 1.5 Beam Diameter (mm)	15.2	14.8	16.3		14.9	14.6	16.6
Avg 2.5+ Beam Diameter (mm)	28.3	27.5	29.8		26.1	25.4	27.7
Avg 1.5 Beam Length (in)	8.5	8.2	9.4		7.0	6.8	8.4
Avg 2.5+ Beam Length (in)	17.4	17.0	19.1		16.6	16.0	18.8
Avg 1.5 Outside Spread (in)	7.6	7.6	7.7		7.2	7.1	8.2
Avg 2.5+ Outside Spread (in)	16.2	15.7	17.2		14.9	14.4	16.0

Table 8a: TA Harvest Totals and Average Weight in lbs (W) by Area, Age, and Sex

Training Area	Total Count	Males									Females								
		All	0.5	W	1.5	W	2.5+	W	Unkn	W	All	0.5	W	1.5	W	2.5+	W	Unkn	W
1	12	6	1	52.0	2	77.5	3	95.0	0	-	6	3	39.7	1	61.0	2	69.5	0	-
2	9	5	0	-	4	62.0	1	96.0	0	-	4	2	35.5	0	-	2	65.5	0	-
3	20	10	1	49.0	0	-	9	101.2	0	-	10	4	37.8	1	65.0	4	75.0	0	-
4	3	1	0	-	1	67.0	0	-	0	-	2	2	35.5	0	-	0	-	0	-
5	40	22	7	41.7	4	75.3	11	96.5	0	-	18	7	37.7	4	60.3	7	74.6	0	-
6	24	17	2	39.0	2	68.5	13	96.3	0	-	7	1	36.0	1	55.0	5	62.4	0	-
7	39	23	4	44.5	7	76.3	12	106.0	0	-	16	3	40.3	3	63.7	10	71.9	0	-
8	14	11	1	33.0	2	65.0	8	109.4	0	-	3	0	-	0	-	3	70.3	0	-
9	14	6	0	-	4	73.3	2	111.5	0	-	8	2	41.5	1	65.0	5	73.2	0	-
10	18	10	0	-	3	74.7	7	102.4	0	-	8	2	44.0	1	65.0	5	76.0	0	-
11	12	6	1	39.0	0	-	5	108.2	0	-	6	1	50.0	0	-	5	69.0	0	-
12	27	15	6	39.8	2	78.5	7	104.6	0	-	12	2	37.5	2	70.5	8	71.9	0	-
13	12	6	1	39.0	1	74.0	4	109.5	0	-	6	3	32.3	0	-	3	70.0	0	-
14	13	10	0	-	3	72.7	7	116.6	0	-	3	0	-	0	-	3	72.7	0	-
15	32	19	5	41.4	4	77.5	10	104.1	0	-	13	3	39.3	1	65.0	9	77.0	0	-
16	17	10	3	43.0	1	81.0	6	99.5	0	-	7	2	37.5	1	68.0	4	64.3	0	-
17	4	2	0	-	1	76.0	1	103.0	0	-	2	1	44.0	0	-	1	67.0	0	-
18	39	23	3	43.7	5	73.0	14	104.2	1	-	16	7	35.7	2	57.5	7	72.6	0	-
19	20	13	1	37.0	1	82.0	11	108.7	0	-	7	2	37.0	1	72.0	4	79.8	0	-
20	30	20	5	42.6	4	80.0	11	109.4	0	-	10	2	30.0	4	63.3	4	70.0	0	-
21	26	12	4	42.5	4	73.0	4	113.0	0	-	14	5	40.6	5	65.4	4	67.5	0	-
22	47	18	3	44.3	6	73.0	9	94.9	0	-	29	14	37.1	2	60.0	13	72.2	0	-
23	27	16	2	40.0	5	66.4	9	95.3	0	-	11	0	-	4	64.3	7	71.1	0	-
24	16	7	2	54.5	1	102.0	4	107.3	0	-	9	1	38.0	2	59.0	6	69.2	0	-
25	15	9	0	-	4	75.0	4	104.5	1	82.0	6	1	47.0	2	61.0	3	65.3	0	-
26	0	0	0	-	0	-	0	-	0	-	0	0	-	0	-	0	-	0	-
27	0	0	0	-	0	-	0	-	0	-	0	0	-	0	-	0	-	0	-
28	10	5	0	-	2	67.0	3	98.7	0	-	5	2	28.0	0	-	3	71.7	0	-
30	13	6	1	49.0	1	72.0	4	116.5	0	-	7	2	35.5	2	58.5	3	70.3	0	-
31	4	3	3	29.7	0	-	0	-	0	-	1	0	-	0	-	1	60.0	0	-
TA Total	557	311	56	41.9	74	73.5	179	103.9	2	82.0	246	74	37.6	40	63.0	131	71.4	0	NA
TOTAL	827	451	82	41.9	99	73.8	268	104.4	2	82.0	376	112	38.1	62	62.0	201	72.4	0	NA

Table 8b: CA Harvest Totals and Average Weight in lbs (W) by Area, Age, and Sex

Training Area	Total Count	Males										Females							
		All	0.5	W	1.5	W	2.5+	W	Unkn	W	All	0.5	W	1.5	W	2.5+	W	Unkn	W
CA1	13	8	1	44.0	2	68.0	5	93.4	0	-	5	0	-	0	-	5	78.2	0	-
CA2	11	4	0	-	1	70.0	3	109.3	0	-	7	3	42.7	0	-	4	72.0	0	-
CA3	4	2	0	-	0	-	2	98.0	0	-	2	2	36.0	0	-	0	-	0	-
CA4	16	11	1	43.0	2	76.5	8	104.6	0	-	5	1	34.0	2	54.5	2	78.0	0	-
CA5	6	2	0	-	0	-	2	104.0	0	-	4	0	-	1	51.0	3	67.0	0	-
CA6	5	3	0	-	0	-	3	89.0	0	-	2	0	-	1	59.0	1	66.0	0	-
CA7	24	11	3	40.3	2	90.0	6	104.0	0	-	13	4	50.0	5	69.4	4	78.5	0	-
CA8	4	2	0	-	0	-	2	99.0	0	-	2	0	-	0	-	2	79.5	0	-
CA9	2	2	0	-	1	59.0	1	105.0	0	-	0	0	-	0	-	0	-	0	-
CA10A	0	0	0	-	0	-	0	-	0	-	0	0	-	0	-	0	-	0	-
CA10B	9	4	3	39.3	0	-	1	109.0	0	-	5	1	35.0	0	-	4	78.5	0	-
CA11A	4	4	1	41.0	1	79.0	2	115.0	0	-	0	0	-	0	-	0	-	0	-
CA11B	6	3	1	45.0	0	-	2	131.5	0	-	3	0	-	0	-	3	74.0	0	-
CA12	11	7	1	44.0	4	75.5	2	108.0	0	-	4	2	37.5	1	58.0	1	79.0	0	-
CA13	5	2	0	-	0	-	2	101.0	0	-	3	1	49.0	1	74.0	1	85.0	0	-
CA14A	14	7	1	43.0	0	-	6	107.7	0	-	7	4	41.0	1	68.0	2	70.5	0	-
CA14B	27	11	6	41.2	1	74.0	4	104.5	0	-	16	5	35.0	3	51.7	8	76.5	0	-
CA15	17	6	0	-	0	-	6	116.8	0	-	11	2	38.5	1	49.0	8	73.8	0	-
CA16	0	0	0	-	0	-	0	-	0	-	0	0	-	0	-	0	-	0	-
CA17	3	3	0	-	1	80.0	2	109.5	0	-	0	0	-	0	-	0	-	0	-
CA18	13	5	1	45.0	0	-	4	109.0	0	-	8	3	40.7	1	60.0	4	76.3	0	-
CA19A	6	4	0	-	2	76.0	2	98.5	0	-	2	1	45.0	0	-	1	75.0	0	-
CA19B	6	4	1	49.0	1	74.0	2	97.0	0	-	2	0	-	0	-	2	83.0	0	-
CA20	10	3	1	46.0	1	68.0	1	117.0	0	-	7	1	37.0	1	60.0	5	71.2	0	-
CA21	14	7	1	43.0	0	-	6	101.5	0	-	7	4	32.5	0	-	3	76.0	0	-
CA22	4	2	0	-	0	-	2	99.0	0	-	2	0	-	1	68.0	1	61.0	0	-
CA23	16	10	1	45.0	3	71.7	6	106.3	0	-	6	3	34.0	1	60.0	2	67.5	0	-
CA24	5	4	1	43.0	0	-	3	119.0	0	-	1	0	-	0	-	1	65.0	0	-
CA25	4	1	0	-	0	-	1	112.0	0	-	3	1	45.0	1	56.0	1	64.0	0	-
CA26	2	2	0	-	1	56.0	1	78.0	0	-	0	0	-	0	-	0	-	0	-
CA27	9	6	2	37.0	2	81.0	2	109.0	0	-	3	0	-	1	51.0	2	66.0	0	-
CA Total	270	140	26	42.0	25	74.4	89	105.5	0	NA	130	38	39.2	22	60.2	70	74.4	0	NA
TOTAL	827	451	82	41.9	99	73.8	268	104.4	2	82.0	376	112	38.1	62	62.0	201	72.4	0	NA

Table 9a: TA Harvest Density (D) per Huntable Square Mile by Area, Age, and Sex

Training Area	Area Size (SQ Mi)	Total Count	Total D	Males								Females							
				0.5	D	1.5	D	2.5+	D	Unkn	D	0.5	D	1.5	D	2.5+	D	Unkn	D
1	1.785	12	6.72	1	0.56	2	1.12	3	1.68	0	-	3	1.68	1	0.56	2	1.12	0	-
2	0.875	9	10.28	0	-	4	4.57	1	1.14	0	-	2	2.28	0	-	2	2.28	0	-
3	1.318	20	15.18	1	0.76	0	-	9	6.83	0	-	4	3.04	1	0.76	4	3.04	0	-
4	0.351	3	8.54	0	-	1	2.85	0	-	0	-	2	5.69	0	-	0	-	0	-
5	2.864	40	13.96	7	2.44	4	1.40	11	3.84	0	-	7	2.44	4	1.40	7	2.44	0	-
6	3.714	24	6.46	2	0.54	2	0.54	13	3.50	0	-	1	0.27	1	0.27	5	1.35	0	-
7	3.563	39	10.94	4	1.12	7	1.96	12	3.37	0	-	3	0.84	3	0.84	10	2.81	0	-
8	2.197	14	6.37	1	0.46	2	0.91	8	3.64	0	-	0	-	0	-	3	1.37	0	-
9	2.253	14	6.21	0	-	4	1.78	2	0.89	0	-	2	0.89	1	0.44	5	2.22	0	-
10	2.170	18	8.30	0	-	3	1.38	7	3.23	0	-	2	0.92	1	0.46	5	2.30	0	-
11	1.524	12	7.88	1	0.66	0	-	5	3.28	0	-	1	0.66	0	-	5	3.28	0	-
12	3.349	27	8.06	6	1.79	2	0.60	7	2.09	0	-	2	0.60	2	0.60	8	2.39	0	-
13	2.005	12	5.99	1	0.50	1	0.50	4	2.00	0	-	3	1.50	0	-	3	1.50	0	-
14	1.563	13	8.32	0	-	3	1.92	7	4.48	0	-	0	-	0	-	3	1.92	0	-
15	2.495	32	12.83	5	2.00	4	1.60	10	4.01	0	-	3	1.20	1	0.40	9	3.61	0	-
16	2.069	17	8.22	3	1.45	1	0.48	6	2.90	0	-	2	0.97	1	0.48	4	1.93	0	-
17	1.225	4	3.27	0	-	1	0.82	1	0.82	0	-	1	0.82	0	-	1	0.82	0	-
18	2.958	39	13.19	3	1.01	5	1.69	14	4.73	1	0.34	7	2.37	2	0.68	7	2.37	0	-
19	3.161	20	6.33	1	0.32	1	0.32	11	3.48	0	-	2	0.63	1	0.32	4	1.27	0	-
20	4.533	30	6.62	5	1.10	4	0.88	11	2.43	0	-	2	0.44	4	0.88	4	0.88	0	-
21	3.739	26	6.95	4	1.07	4	1.07	4	1.07	0	-	5	1.34	5	1.34	4	1.07	0	-
22	3.910	47	12.02	3	0.77	6	1.53	9	2.30	0	-	14	3.58	2	0.51	13	3.32	0	-
23	3.245	27	8.32	2	0.62	5	1.54	9	2.77	0	-	0	-	4	1.23	7	2.16	0	-
24	1.995	16	8.02	2	1.00	1	0.50	4	2.00	0	-	1	0.50	2	1.00	6	3.01	0	-
25	4.472	15	3.35	0	-	4	0.89	4	0.89	1	0.22	1	0.22	2	0.45	3	0.67	0	-
28	1.989	10	5.03	0	-	2	1.01	3	1.51	0	-	2	1.01	0	-	3	1.51	0	-
30	1.211	13	10.74	1	0.83	1	0.83	4	3.30	0	-	2	1.65	2	1.65	3	2.48	0	-
31	0.752	4	5.32	3	3.99	0	-	0	-	0	-	0	-	0	-	1	1.33	0	-
TA Total	67.285	557	8.28	56	0.83	74	1.10	179	2.66	2	0.03	74	1.10	40	0.59	131	1.95	0	-
TOTAL	84.870	827	9.74	82	0.97	99	1.17	268	3.16	2	0.02	112	1.32	62	0.73	201	2.37	0	0.00

Table 9b: CA Harvest Density (D) per Huntable Square Mile by Area, Age, and Sex

Training Area	Area Size (SQ Mi)	Total Count	Total D	Males								Females							
				0.5	D	1.5	D	2.5+	D	Unkn	D	0.5	D	1.5	D	2.5+	D	Unkn	D
CA1	1.309	13	9.93	1	0.76	2	1.53	5	3.82	0	-	0	-	0	-	5	3.82	0	-
CA2	0.487	11	22.58	0	-	1	2.05	3	6.16	0	-	3	6.16	0	-	4	8.21	0	-
CA3	0.319	4	12.54	0	-	0	-	2	6.27	0	-	2	6.27	0	-	0	-	0	-
CA4	0.669	16	23.93	1	1.50	2	2.99	8	11.96	0	-	1	1.50	2	2.99	2	2.99	0	-
CA5	0.667	6	8.99	0	-	0	-	2	3.00	0	-	0	-	1	1.50	3	4.50	0	-
CA6	0.589	5	8.48	0	-	0	-	3	5.09	0	-	0	-	1	1.70	1	1.70	0	-
CA7	1.234	24	19.45	3	2.43	2	1.62	6	4.86	0	-	4	3.24	5	4.05	4	3.24	0	-
CA8	0.398	4	10.04	0	-	0	-	2	5.02	0	-	0	-	0	-	2	5.02	0	-
CA9	0.338	2	5.91	0	-	1	2.96	1	2.96	0	-	0	-	0	-	0	-	0	-
CA10B	0.655	9	13.74	3	4.58	0	-	1	1.53	0	-	1	1.53	0	-	4	6.10	0	-
CA11A	0.368	4	10.87	1	2.72	1	2.72	2	5.44	0	-	0	-	0	-	0	-	0	-
CA11B	0.281	6	21.36	1	3.56	0	-	2	7.12	0	-	0	-	0	-	3	10.68	0	-
CA12	0.466	11	23.63	1	2.15	4	8.59	2	4.30	0	-	2	4.30	1	2.15	1	2.15	0	-
CA13	0.523	5	9.56	0	-	0	-	2	3.82	0	-	1	1.91	1	1.91	1	1.91	0	-
CA14A	0.544	14	25.75	1	1.84	0	-	6	11.04	0	-	4	7.36	1	1.84	2	3.68	0	-
CA14B	0.899	27	30.04	6	6.67	1	1.11	4	4.45	0	-	5	5.56	3	3.34	8	8.90	0	-
CA15	0.918	17	18.52	0	-	0	-	6	6.54	0	-	2	2.18	1	1.09	8	8.72	0	-
CA17	0.881	3	3.40	0	-	1	1.13	2	2.27	0	-	0	-	0	-	0	-	0	-
CA18	0.826	13	15.75	1	1.21	0	-	4	4.84	0	-	3	3.63	1	1.21	4	4.84	0	-
CA19A	0.738	6	8.14	0	-	2	2.71	2	2.71	0	-	1	1.36	0	-	1	1.36	0	-
CA19B	0.473	6	12.69	1	2.11	1	2.11	2	4.23	0	-	0	-	0	-	2	4.23	0	-
CA20	0.695	10	14.38	1	1.44	1	1.44	1	1.44	0	-	1	1.44	1	1.44	5	7.19	0	-
CA21	0.993	14	14.10	1	1.01	0	-	6	6.04	0	-	4	4.03	0	-	3	3.02	0	-
CA22	0.474	4	8.44	0	-	0	-	2	4.22	0	-	0	-	1	2.11	1	2.11	0	-
CA23	0.411	16	38.93	1	2.43	3	7.30	6	14.60	0	-	3	7.30	1	2.43	2	4.87	0	-
CA24	0.323	5	15.47	1	3.09	0	-	3	9.28	0	-	0	-	0	-	1	3.09	0	-
CA25	0.484	4	8.26	0	-	0	-	1	2.07	0	-	1	2.07	1	2.07	1	2.07	0	-
CA26	0.294	2	6.80	0	-	1	3.40	1	3.40	0	-	0	-	0	-	0	-	0	-
CA27	0.328	9	27.43	2	6.10	2	6.10	2	6.10	0	-	0	-	1	3.05	2	6.10	0	-
CA Total	17.585	270	15.35	26	1.48	25	1.42	89	5.06	0	-	38	2.16	22	1.25	70	3.98	0	-
TOTAL	84.870	827	9.74	82	0.97	99	1.17	268	3.16	2	0.02	112	1.32	62	0.73	201	2.37	0	0.00

Table 10a: Hunter Effort and Success Rates by Area for TA areas

Training Area	# Deer Harvested	# of Hunt Trips	# of Hours Hunted	Hunt Trips per Deer Harvested	Hours per Deer Harvested
1	12	308	3228.00	25.7	269.00
2	9	153	2479.00	17.0	275.44
3	20	326	3456.00	16.3	172.80
4	3	66	950.00	22.0	316.67
5	40	414	3984.00	10.4	99.60
6	24	480	4493.00	20.0	187.21
7	39	525	5469.00	13.5	140.23
8	14	158	1716.00	11.3	122.57
9	14	240	2589.00	17.1	184.93
10	18	232	2194.00	12.9	121.89
11	12	173	1667.00	14.4	138.92
12	27	339	3590.00	12.6	132.96
13	12	169	1673.00	14.1	139.42
14	13	235	2060.00	18.1	158.46
15	32	309	4029.00	9.7	125.91
16	17	222	2042.00	13.1	120.12
17	4	120	1213.00	30.0	303.25
18	39	380	3668.00	9.7	94.05
19	20	186	1755.00	9.3	87.75
20	30	477	5058.00	15.9	168.60
21	26	335	3322.00	12.9	127.77
22	47	361	3508.00	7.7	74.64
23	27	280	2711.00	10.4	100.41
24	16	428	4644.00	26.8	290.25
25	15	342	3465.00	22.8	231.00
26	0	0	0.00	-	-
27	0	0	0.00	-	-
28	10	276	2808.00	27.6	280.80
30	13	195	2083.00	15.0	160.23
31	4	86	869.00	21.5	217.25
TA Total	557	7815	80723.00	14.0	144.92
Total	827	9895	99698.00	12.0	120.55

Table 10b: Hunter Effort and Success Rates by Area for CA areas

Training Area	# Deer Harvested	# of Hunt Trips	# of Hours Hunted	Hunt Trips per Deer Harvested	Hours per Deer Harvested
CA1	13	76	728.00	5.8	56.00
CA2	11	136	1170.00	12.4	106.36
CA3	4	40	233.00	10.0	58.25
CA4	16	109	976.00	6.8	61.00
CA5	6	55	466.00	9.2	77.67
CA6	5	68	515.00	13.6	103.00
CA7	24	115	1071.00	4.8	44.63
CA8	4	42	382.00	10.5	95.50
CA9	2	34	300.00	17.0	150.00
CA10A	0	0	0.00	-	-
CA10B	9	30	250.00	3.3	27.78
CA11A	4	38	333.00	9.5	83.25
CA11B	6	48	506.00	8.0	84.33
CA12	11	151	1330.00	13.7	120.91
CA13	5	28	261.00	5.6	52.20
CA14A	14	85	822.00	6.1	58.71
CA14B	27	99	949.00	3.7	35.15
CA15	17	103	848.00	6.1	49.88
CA16	0	0	0.00	-	-
CA17	3	35	275.00	11.7	91.67
CA18	13	43	416.00	3.3	32.00
CA19A	6	66	536.00	11.0	89.33
CA19B	6	53	450.00	8.8	75.00
CA20	10	196	2076.00	19.6	207.60
CA21	14	83	865.00	5.9	61.79
CA22	4	89	833.00	22.3	208.25
CA23	16	81	858.00	5.1	53.63
CA24	5	51	561.00	10.2	112.20
CA25	4	40	268.00	10.0	67.00
CA26	2	33	219.00	16.5	109.50
CA27	9	53	478.00	5.9	53.11
CA Total	270	2080	18975.00	7.7	70.28
Total	827	9895	99698.00	12.0	120.55

Historical Data Comparison

Chart 1: Harvest Sex Ratio

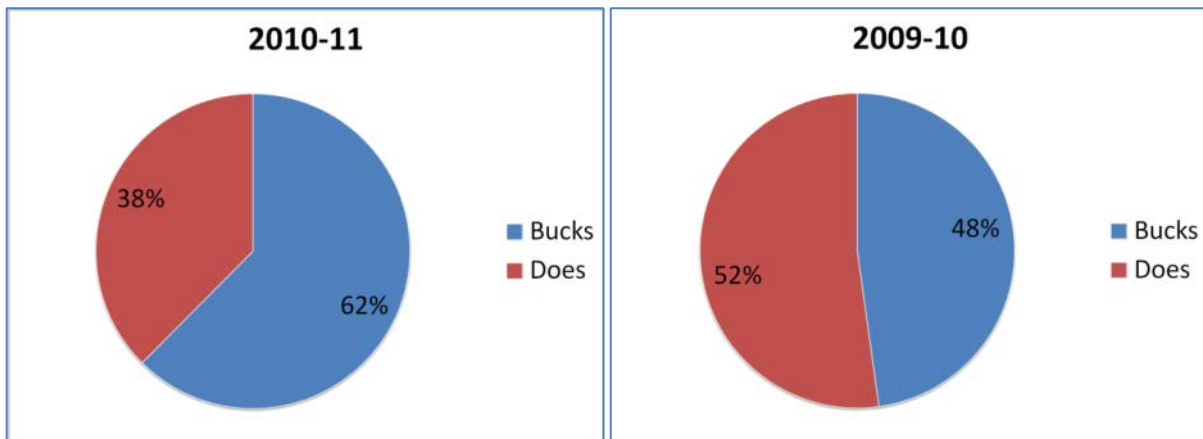
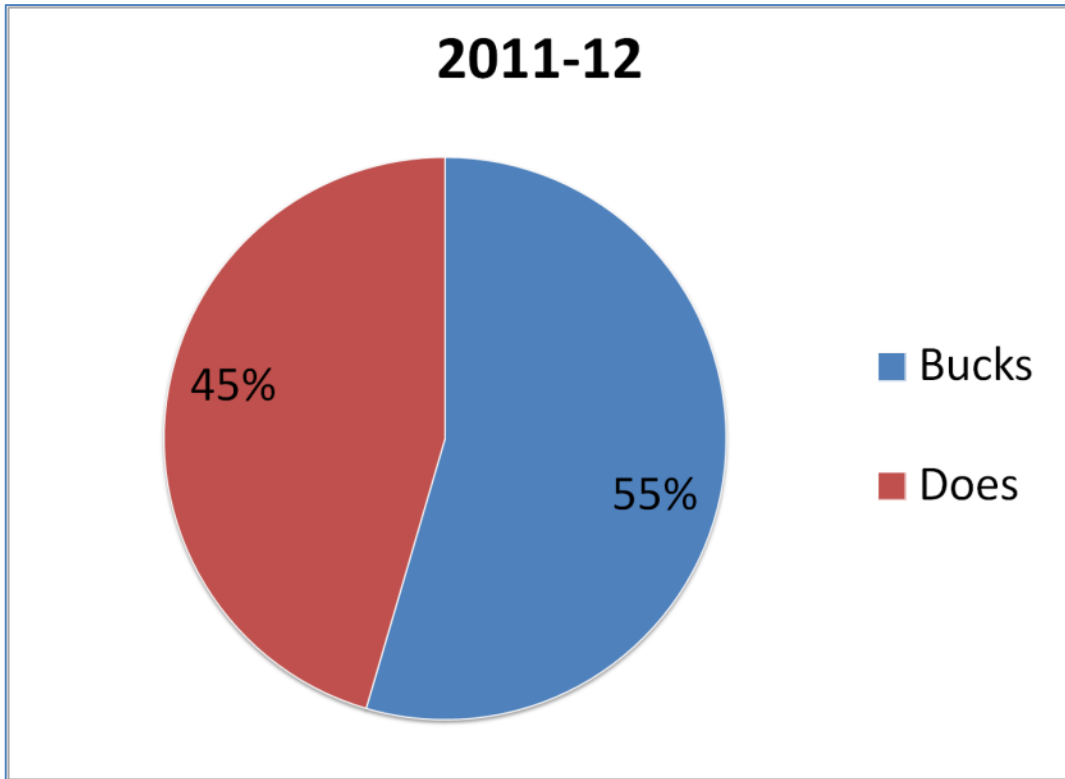


Chart 2: Harvest Age Structure

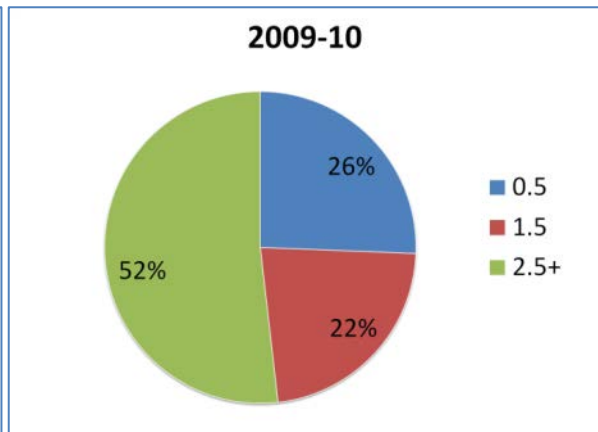
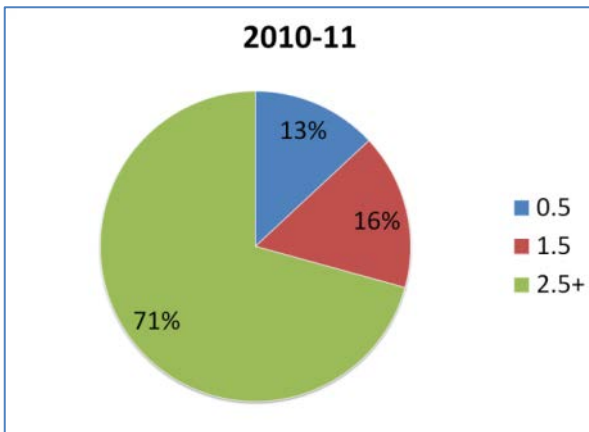
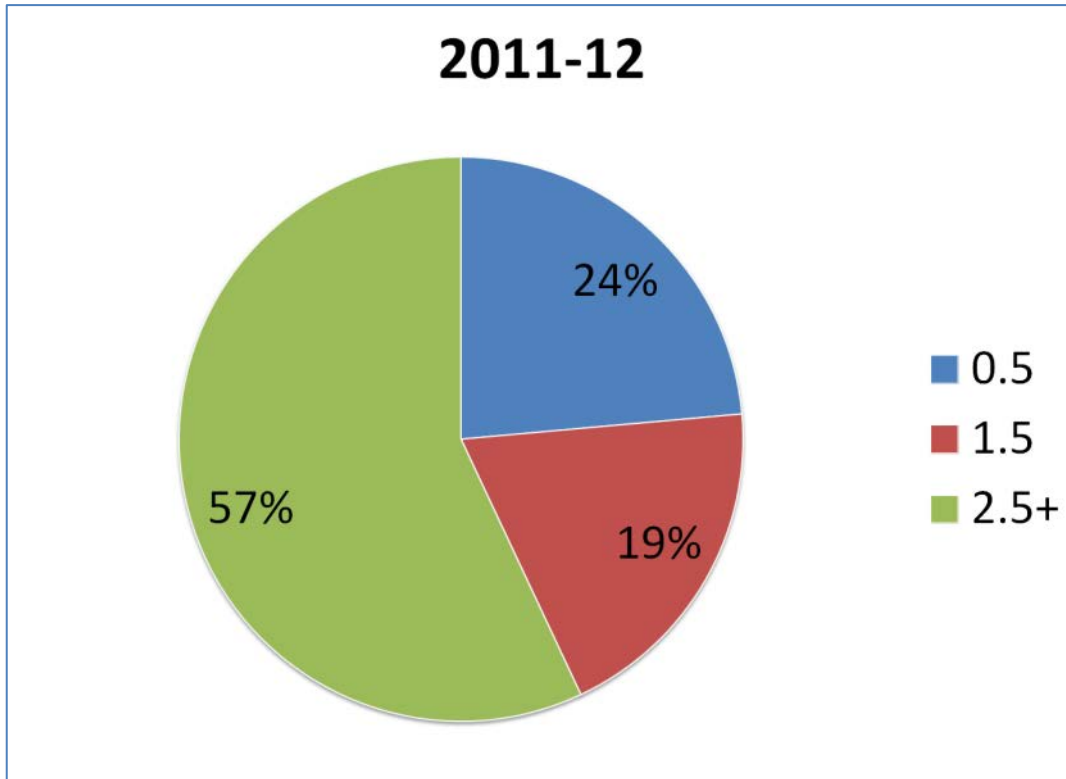


Chart 3: Training Area and Controlled Access Area Comparison

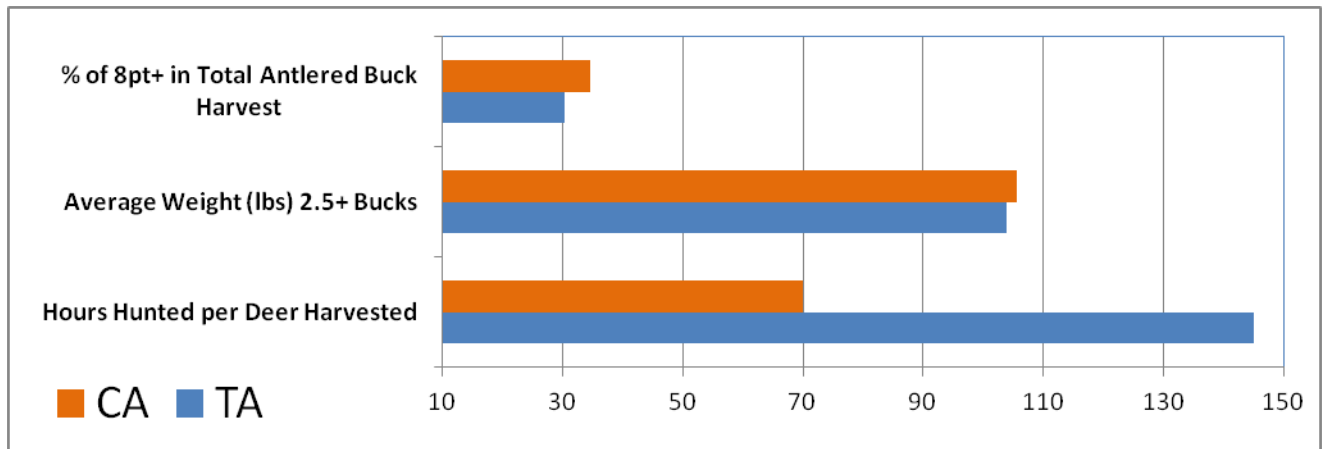
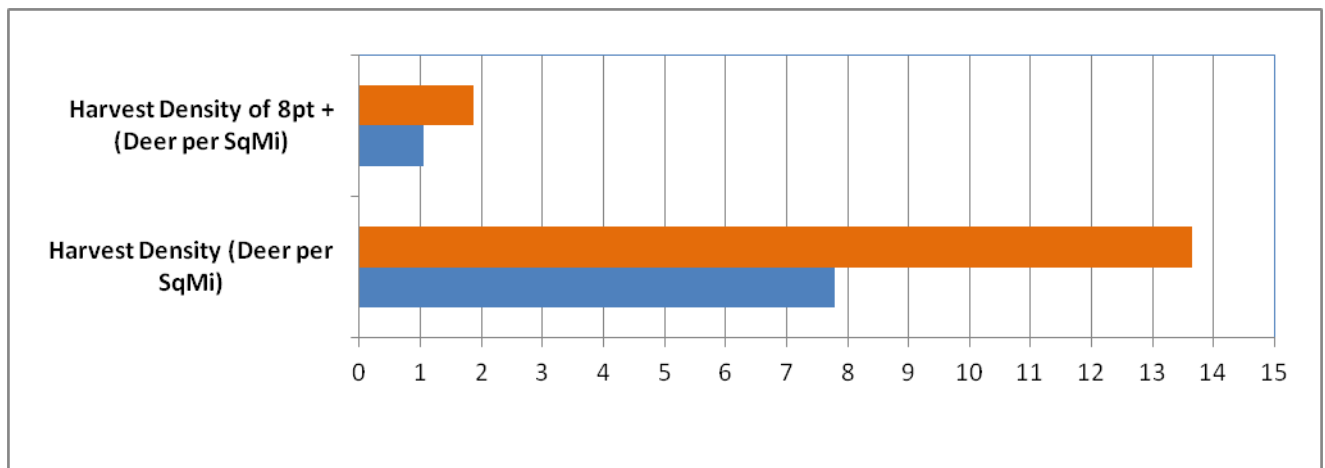
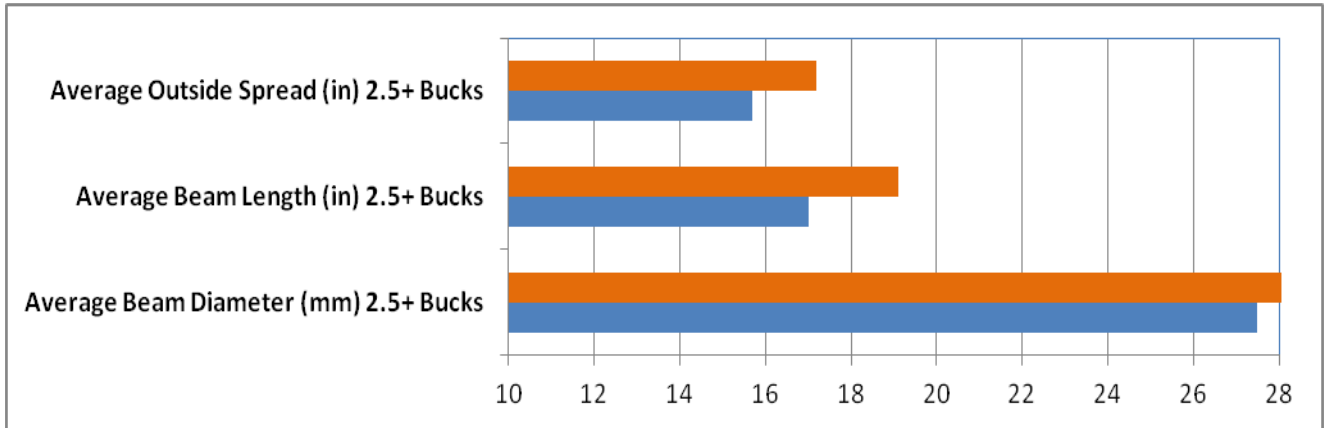


Chart 4: Historical Buck to Doe Harvest Ratios

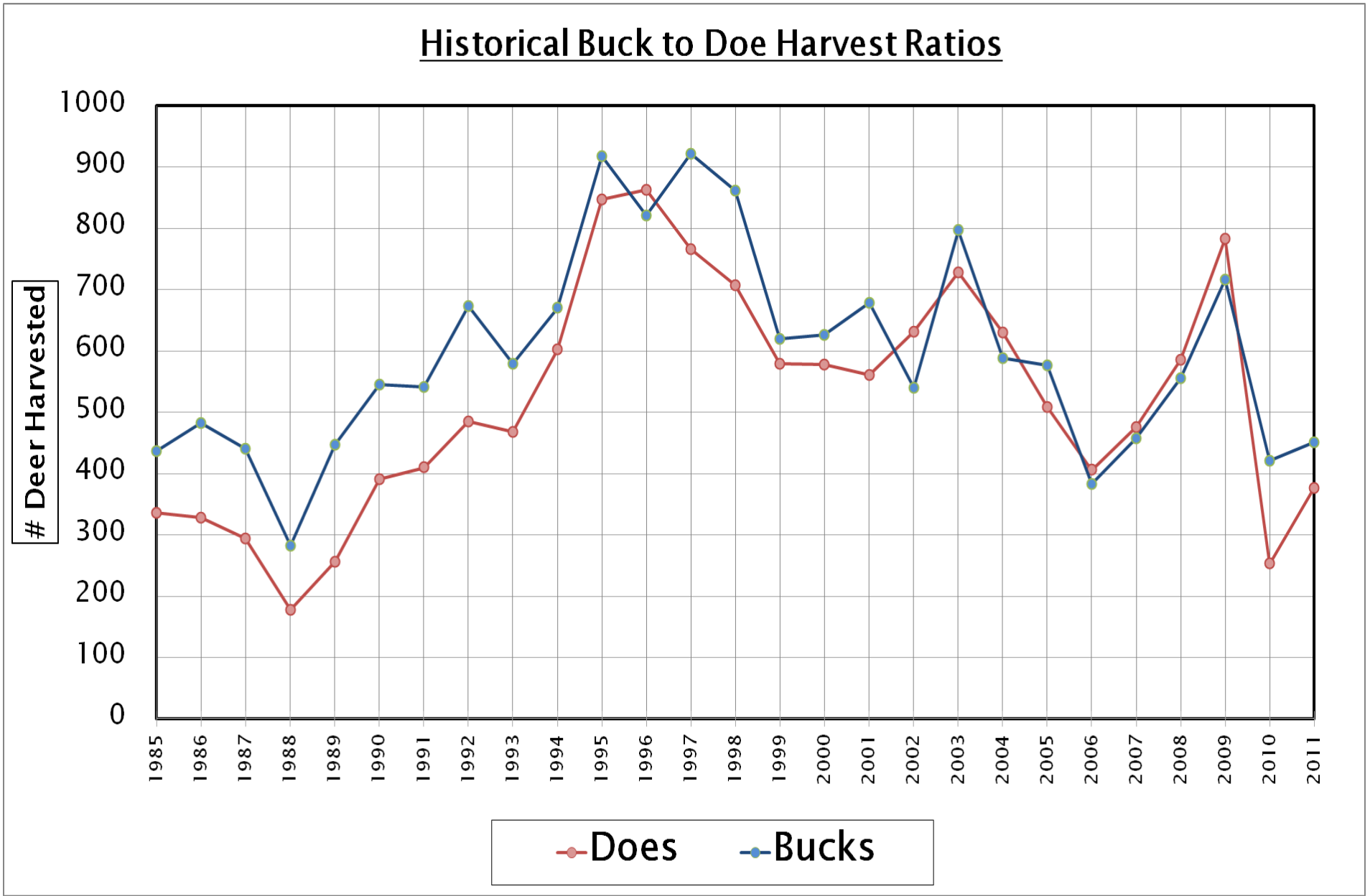


Table 11: Reproductive Statistics Comparison

	2011-12	2010-11	2009-10
Fawn to Doe Ratio: # of fawns per bearing age (2.5+ yr old) doe harvested	0.97	0.48	0.67
% Fawns in antlerless harvest	41.3%	28.2%	41.2%
% Fawns in the total deer harvest	23.5%	12.9%	26.8%
Lactation Rate: for 2.5 yr olds	66.7%	41.7%	61.5%
Lactation Rate: for 3.5+ yr olds	81.8%	57.9%	69.2%

Chart 6: Hunting Trips

