

Deer Harvest Report

Fort A.P. Hill, VA

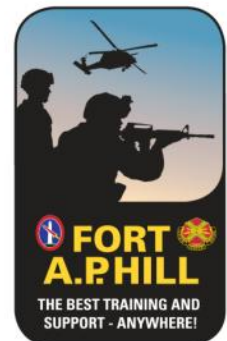
2014 – 2015



U.S. Army Garrison Fort A.P. Hill

Directorate of Public Works
Environmental and Natural Resources Division
Fisheries & Wildlife Branch

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FORT A.P. HILL 2014-15 DEER SEASON REPORT

The total deer kill for the Fort A.P. Hill (FAPH) 2014-15 deer season was 479. That number is a 43% drop in harvest from last season's kill of 839. Males made up 69.9% (335), of the total harvest and does made up only 30.1% (144) of the deer checked in. The harvest regulations were the same in the 2014-15 season as the previous year except for some late season closures of Training Areas (TAs) to reduce harvest in those areas. The number of deer harvested per square mile of huntable land decreased from 9.64 in the 2013-14 season to 5.51 in 2014-15. The dressed weight of bucks that were 1.5 years of age rose from 64.3 lbs last season to 65.0 this season. Thirty percent of the antlered bucks killed had 8 or more points, which was a drop from last season's 38%. The highest number of points one inch or longer on a buck was a TA eleven point.

A hard life

This past season deer harvest of 479 was the lowest kill in over 20 years at FAPH. Over the past five seasons the FAPH Fish and Wildlife Branch has been adjusting regulations in an attempt to reverse the declining deer population trends. The reduction of either-sex hunting days, reducing the number of deer allowed per day and per season and discontinuing the use of DMAP tags were all in response to the impacts of a series of events that proved detrimental to the herd. The 2013 acorn mast failure created an increased hunter harvest last season as deer congregated in green fields, making them easier to pattern and hunt. Temperatures were uncommonly severe last winter causing increased stress and some mortality. In the fall of 2012 the herd suffered an outbreak of epizootic hemorrhagic disease (EHD) that caused significant mortality Garrison wide. Adding the establishment of an additional year round predator, the coyote, to this scenario of events and the result is a herd in decline with very low fawn recruitment. The Fish and Wildlife Branch looks forward to the challenge of FAPH deer herd management in upcoming years.

Region- wide trend

Deer populations have declined throughout most of Virginia and in all surrounding states as well. Many surrounding communities had signs of EHD this year either finding numbers of dead deer or harvesting deer that had sloughing hooves indicating they had EHD but had survived. Since most of the FAPH deer herd suffered an outbreak of EHD in 2012 the overall herd immunity to the disease should remain high for a number of years. We did have eight deer checked in from the extreme southern section of FAPH that had sloughing hooves indicating an outbreak in that portion of the Garrison. In the 2012-13 deer season at FAPH, 38% of all the deer checked in had sloughing hooves as a result of EHD.

Deer herd, near term

The condition of the deer checked in during the later part of the season appeared excellent. This fall's acorn crop, while spotty in some areas, was heavy in others and the deer were carrying a good fat reserve. Many hunters stated that the does that they harvested were carrying two and in one case three fawns, indicating does appeared in good health. Antler development at FAPH is greatly influenced by the previous year's mast crop, so it is anticipated that conditions are favorable for improved antler development next fall. Such characteristics are also influenced by winter and summer stress, rainfall, and parasites such as tick burden.

Statistics indicate that the deer herd is not having positive fawn recruitment sufficient to maintain or grow the herd. This is in spite of several years of low doe harvest. It is anticipated that the next few years will require aggressive protection of does and fawns, which will most likely mean lower harvest levels for several seasons. It should be noted that hunting trips increased this year from last, from 8011 in 2013, to 10,441 this past season. The number of hunt trips this past season was the highest it has been in over four years.

Bears, coyotes and others

No bears or feral pigs were harvested on FAPH this season. Only three coyotes were checked in, which is not a true measure of their current population. Coyotes tend to be nocturnal making them difficult to harvest by deer hunters. Determining the coyote population on the Garrison is a difficult task. Sightings are sporadic, but the howls of the packs are commonly heard. The Fish and Wildlife Branch staff will conduct a fur bearer survey, after trapping season, and compare results to previous surveys in hopes to verify population trends. The trapping harvest of coyotes will not be known until the later part of winter, but early reports indicate good success in trapping coyotes this season. Hunters may also shoot coyotes during any open season. There are many intriguing research projects ongoing in the southeast United States that are monitoring impacts of coyotes on deer and characteristics of the coyote's reproduction and movements. It is apparent in all situations that the coyote is here to stay and biologist will need to learn to manage deer herds in a world with a new year-round predator in the woods. While the coyote certainly impacts herd numbers and how robustly a herd rebounds, the animal cannot be given all or even the majority of the blame for the current low deer numbers at FAPH. They are only one of many impacts to the herd numbers.

Squirrel numbers were as low as can be remembered by many on FAPH. Only two were checked in through the iSportsman system. This indicates how important acorns are to the population and how the 2013 mast failure was disastrous to squirrel numbers.

iSportsman

The FAPH iSportsman system kicked off in early September 2014. The system has been a success beyond our hopes. Feedback from hunters has been overwhelmingly positive. New features are being added to the site as they become available. The information gathered this season has already proved to be a great benefit to the management of wildlife.

2015 FAPH Hunter Survey

The FAPH Fish and Wildlife Branch will be sending out their annual invitation to participate in the Post Hunting Season Survey. This notification will be sent by email to everyone that hunted on FAPH this past season and provided a valid email address in the iSportsman system. This survey provides valuable information to the biologists that will be used in the successful management of FAPH's natural resources and the enjoyment of the outdoor program.

Table 1: Harvest Totals and Percentage by Area and Sex

	Harvest		% of Total Harvest
Males	335		69.9%
TA	211	63.0%	44.1%
CA	124	37.0%	25.9%
Females	144		30.1%
TA	71	49.3%	14.8%
CA	73	50.7%	15.2%
Total Harvest	479		100.0%
TA	282		58.9%
CA	197		41.1%

Table 2a: Age Distribution

Age Class	Male		Female		Total	
	NO.	(%)	NO.	(%)	NO.	(%)
0.5 year-olds (Fawns)	26	7.8%	15	10.4%	41	8.6%
1.5 year-olds (Yearlings)	33	9.9%	16	11.1%	49	10.2%
2.5 year-olds	136	40.6%	48	33.3%	184	38.4%
3.5 year-olds	80	23.9%	22	15.3%	102	21.3%
4.5 year-olds	33	9.9%	14	9.7%	47	9.8%
5.5 year-olds	16	4.8%	18	12.5%	34	7.1%
6.5 year-olds	9	2.7%	6	4.2%	15	3.1%
7.5 year-olds	2	0.6%	2	1.4%	4	0.8%
8.5 year-olds +	0	0.0%	1	0.7%	1	0.2%
Unknown	0	0.0%	2	1.4%	2	0.4%
Totals	335		144		479	

Table 2b: Age Distribution Historical Comparison

Age Class	Male			Female			Total		
	2014-15	2013-14	2012-13	2014-15	2013-14	2012-13	2014-15	2013-14	2012-13
0.5 year-olds (Fawns)	7.8%	13.2%	18.6%	10.4%	22.4%	15.1%	8.6%	16.8%	17.3%
1.5 year-olds (Yearlings)	9.9%	16.3%	24.6%	11.1%	14.2%	19.5%	10.2%	15.5%	22.8%
2.5 year-olds	40.6%	31.6%	29.3%	33.3%	21.5%	21.3%	38.4%	27.7%	26.2%
3.5 year-olds	23.9%	21.2%	14.8%	15.3%	13.0%	16.2%	21.3%	18.0%	15.7%
4.5 year-olds	9.9%	9.2%	7.8%	9.7%	8.2%	14.3%	9.8%	8.8%	10.9%
5.5 year-olds	4.8%	4.5%	3.2%	12.5%	10.0%	7.0%	7.1%	6.7%	5.0%
6.5 year-olds	2.7%	2.8%	0.6%	4.2%	6.1%	4.8%	3.1%	4.1%	2.5%
7.5 year-olds	0.6%	0.6%	0.0%	1.4%	2.4%	0.7%	0.8%	1.3%	0.3%
8.5 year-olds +	0.0%	0.2%	0.0%	0.7%	1.5%	0.0%	0.2%	0.7%	0.0%
Unknown	0.0%	0.4%	1.2%	1.4%	0.6%	1.1%	0.4%	0.5%	1.2%

Table 2c: Age Distribution Historical Comparison

Year	Bucks - Age %			Does - Age %		
	0.5	1.5	2.5+	0.5	1.5	2.5+
2012	19%	25%	57%	15%	19%	65%
2013	13%	16%	70%	22%	14%	64%
2014	8%	10%	82%	10%	11%	79%

Table 3: Statistics for Females

Age Class	Dressed Weight		Lactation Rates (October)	
	Avg.	No.	Percent	No.
0.5 year-olds (Fawns)	35.1	15	-	-
1.5 year-olds (Yearlings)	52.1	16	-	-
2.5 year-olds	64.5	48	45.0%	9
3.5 year-olds +	70.0	63	50.0%	6

Table 4: 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)	7.8%	38.7	26	-	-	-	-	-	-	-	-
1.5 year-olds (Yearlings)	9.9%	65.0	33	2.7	32	14.3	32	6.6	30	6.6	32
2.5 year-olds	40.6%	86.8	136	5.5	136	22.2	136	12.9	135	13.9	136
3.5 year-olds +	41.8%	100.2	140	6.9	140	29.4	140	16.1	139	17.8	140

Table 5: Buck Harvest by Area and Number of Antler Points

# of Points	Total		TA		CA	
	#	D	#	D	#	D
BB	27	0.31	16	0.24	11	0.56
1	1	0.01	0	0.00	1	0.05
2	33	0.38	23	0.34	10	0.51
3	13	0.15	8	0.12	5	0.25
4	50	0.57	33	0.49	17	0.86
5	30	0.34	22	0.33	8	0.41
6	43	0.49	27	0.40	16	0.81
7	44	0.51	24	0.36	20	1.01
8	81	0.93	50	0.74	31	1.57
9	6	0.07	5	0.07	1	0.05
10	6	0.07	2	0.03	4	0.20
11	1	0.01	1	0.01	0	0.00
12	0	0.00	0	0.00	0	0.00
13	0	0.00	0	0.00	0	0.00
SHED	0	0.00	0	0.00	0	0.00

D = Density (# deer harvested per square mile)

Table 6: Antler Measurements

	2014-2015				2013-2014		
	Total	TA	CA		Total	TA	CA
# Antlered	308	195	113		403	228	175
# 8pt +	94	58	36		151	75	76
% 8pt +	30.5%	29.7%	31.9%		37.5%	32.9%	43.4%
Harvest Density (8pt+ per SQ Mi)	1.08	0.86	1.83		1.74	1.11	3.86
% 1.5 w/ Spikes	66.7%	61.9%	75.0%		54.2%	52.8%	56.7%
Avg 1.5 Beam Diameter (mm)	14.3	14.4	13.9		15.1	15.9	13.6
Avg 2.5+ Beam Diameter (mm)	25.8	25.1	27.1		27.3	26.1	28.7
Avg 1.5 Beam Length (in)	6.6	7.0	5.9		7.0	7.3	6.6
Avg 2.5+ Beam Length (in)	15.9	15.4	18.4		17.2	16.6	19.2
Avg 1.5 Outside Spread (in)	6.6	6.9	5.9		6.4	6.5	6.2
Avg 2.5+ Outside Spread (in)	14.5	14.1	15.2		15.9	15.2	16.8

Table 7a: 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	11	6	1	33.0	0	-	5	89.4	0	-	5	1	35.0	0	-	4	58.5	0	-
2	6	5	1	31.0	0	-	4	89.5	0	-	1	0	-	1	55.0	0	-	0	-
3	9	5	1	33.0	1	63.0	3	95.0	0	-	4	0	-	2	43.5	2	78.0	0	-
4	3	2	0	-	0	-	2	86.0	0	-	1	0	-	0	-	1	65.0	0	-
5	15	9	0	-	1	78.0	8	80.8	0	-	6	2	30.5	0	-	4	70.8	0	-
6	14	11	0	-	2	73.0	9	96.3	0	-	3	0	-	0	-	3	73.3	0	-
7	17	12	2	52.0	2	72.0	8	89.4	0	-	5	0	-	1	45.0	4	60.8	0	-
8	10	7	1	40.0	1	61.0	5	89.8	0	-	3	0	-	1	53.0	2	61.0	0	-
9	10	9	1	39.0	0	-	8	86.1	0	-	1	0	-	0	-	1	79.0	0	-
10	11	11	0	-	4	70.0	7	91.7	0	-	0	0	-	0	-	0	-	0	-
11	9	7	1	41.0	1	66.0	5	90.4	0	-	2	1	28.0	0	-	1	62.0	0	-
12	15	12	1	56.0	1	66.0	10	96.2	0	-	3	0	-	0	-	3	72.3	0	-
13	3	3	0	-	0	-	3	71.0	0	-	0	0	-	0	-	0	-	0	-
14	4	2	1	34.0	0	-	1	90.0	0	-	2	0	-	0	-	2	62.5	0	-
15	13	9	0	-	0	-	9	105.0	0	-	4	0	-	1	55.0	3	58.7	0	-
16	8	8	0	-	2	69.5	6	91.7	0	-	0	0	-	0	-	0	-	0	-
17	7	5	0	-	1	40.0	4	93.5	0	-	2	0	-	0	-	2	59.5	0	-
18	17	16	0	-	0	-	16	86.9	0	-	1	0	-	0	-	1	64.0	0	-
19	11	7	0	-	0	-	7	92.1	0	-	4	0	-	1	55.0	3	66.7	0	-
20	12	11	1	41.0	1	62.0	9	93.3	0	-	1	0	-	0	-	1	67.0	0	-
21	5	5	0	-	1	62.0	4	92.0	0	-	0	0	-	0	-	0	-	0	-
22	19	17	2	35.0	2	57.0	13	94.7	0	-	2	0	-	0	-	2	66.5	0	-
23	4	3	0	-	0	-	3	96.7	0	-	1	0	-	0	-	1	66.0	0	-
24	10	7	2	40.0	1	59.0	4	79.5	0	-	3	0	-	1	45.0	2	68.5	0	-
25	23	13	1	25.0	0	-	12	92.8	0	-	10	0	-	1	63.0	9	64.9	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	7	4	0	-	0	-	4	104.8	0	-	3	0	-	0	-	3	58.3	0	-
30	8	5	0	-	0	-	5	88.0	0	-	3	0	-	1	73.0	2	70.5	0	-
31	1	0	0	-	0	-	0	-	0	-	1	0	-	0	-	1	60.0	0	-
TA Total	282	211	16	39.2	21	65.7	174	91.4	0	NA	71	4	31.0	10	53.1	57	65.4	0	NA
TOTAL	479	335	26	38.7	33	65.0	276	93.6	0	NA	144	15	35.1	16	52.1	111	67.6	2	76.0

Table 7b: 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	27	12	1	48.0	2	56.0	9	95.0	0	-	15	3	31.7	2	52.5	10	72.6	0	-
CA2	5	3	0	-	0	-	3	102.7	0	-	2	0	-	0	-	2	67.5	0	-
CA3	1	0	0	-	0	-	0	-	0	-	1	0	-	1	55.0	0	-	0	-
CA4	6	3	2	31.5	0	-	1	97.0	0	-	3	0	-	0	-	2	63.5	1	73.0
CA5	3	1	0	-	0	-	1	85.0	0	-	2	0	-	0	-	2	64.0	0	-
CA6	4	4	1	33.0	0	-	3	95.7	0	-	0	0	-	0	-	0	-	0	-
CA7	6	4	0	-	0	-	4	90.0	0	-	2	0	-	0	-	2	79.5	0	-
CA8	6	4	0	-	1	79.0	3	90.0	0	-	2	0	-	0	-	2	73.0	0	-
CA9	2	0	0	-	0	-	0	-	0	-	2	2	35.5	0	-	0	-	0	-
CA10A	9	7	2	34.5	0	-	5	89.2	0	-	2	0	-	0	-	2	72.5	0	-
CA10B	2	1	0	-	0	-	1	91.0	0	-	1	0	-	0	-	1	85.0	0	-
CA11A	2	1	0	-	0	-	1	113.0	0	-	1	1	38.0	0	-	0	-	0	-
CA11B	2	0	0	-	0	-	0	-	0	-	2	0	-	0	-	2	72.0	0	-
CA12	3	3	1	46.0	0	-	2	94.5	0	-	0	0	-	0	-	0	-	0	-
CA13	2	0	0	-	0	-	0	-	0	-	2	1	35.0	0	-	1	64.0	0	-
CA14A	11	7	0	-	0	-	7	106.4	0	-	4	1	38.0	0	-	2	64.0	1	79.0
CA14B	7	5	0	-	0	-	5	101.2	0	-	2	0	-	0	-	2	65.5	0	-
CA15	10	8	1	42.0	1	71.0	6	104.0	0	-	2	0	-	0	-	2	63.0	0	-
CA16	22	12	1	42.0	3	69.0	8	102.5	0	-	10	2	44.0	1	45.0	7	68.6	0	-
CA17	9	7	0	-	0	-	7	102.6	0	-	2	0	-	0	-	2	70.0	0	-
CA18	7	4	0	-	1	52.0	3	102.7	0	-	3	0	-	1	52.0	2	71.0	0	-
CA19A	5	5	0	-	0	-	5	105.2	0	-	0	0	-	0	-	0	-	0	-
CA19B	5	5	1	37.0	2	57.0	2	107.0	0	-	0	0	-	0	-	0	-	0	-
CA20	11	5	0	-	1	74.0	4	93.8	0	-	6	1	38.0	0	-	5	65.0	0	-
CA21	6	3	0	-	1	56.0	2	86.0	0	-	3	0	-	1	46.0	2	67.5	0	-
CA22	4	3	0	-	0	-	3	89.0	0	-	1	0	-	0	-	1	90.0	0	-
CA23	3	1	0	-	0	-	1	92.0	0	-	2	0	-	0	-	2	75.5	0	-
CA24	0	0	0	-	0	-	0	-	0	-	0	0	-	0	-	0	-	0	-
CA25	7	6	0	-	0	-	6	92.7	0	-	1	0	-	0	-	1	67.0	0	-
CA26	6	6	0	-	0	-	6	88.0	0	-	0	0	-	0	-	0	-	0	-
CA27	4	4	0	-	0	-	4	91.0	0	-	0	0	-	0	-	0	-	0	-
CA Total	197	124	10	38.0	12	63.8	102	97.2	0	NA	73	11	36.6	6	50.5	54	69.9	2	76.0
TOTAL	479	335	26	38.7	33	65.0	276	93.6	0	NA	144	15	35.1	16	52.1	111	67.6	2	76.0

Table 8a: TA Harvest Density (D) per Huntability 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	11	6.16	1	0.56	0	-	5	2.80	0	-	1	0.56	0	-	4	2.24	0	-
2	0.875	6	6.85	1	1.14	0	-	4	4.57	0	-	0	-	1	1.14	0	-	0	-
3	1.318	9	6.83	1	0.76	1	0.76	3	2.28	0	-	0	-	2	1.52	2	1.52	0	-
4	0.351	3	8.54	0	-	0	-	2	5.69	0	-	0	-	0	-	1	2.85	0	-
5	2.864	15	5.24	0	-	1	0.35	8	2.79	0	-	2	0.70	0	-	4	1.40	0	-
6	3.714	14	3.77	0	-	2	0.54	9	2.42	0	-	0	-	0	-	3	0.81	0	-
7	3.563	17	4.77	2	0.56	2	0.56	8	2.25	0	-	0	-	1	0.28	4	1.12	0	-
8	2.197	10	4.55	1	0.46	1	0.46	5	2.28	0	-	0	-	1	0.46	2	0.91	0	-
9	2.253	10	4.44	1	0.44	0	-	8	3.55	0	-	0	-	0	-	1	0.44	0	-
10	2.170	11	5.07	0	-	4	1.84	7	3.23	0	-	0	-	0	-	0	-	0	-
11	1.524	9	5.91	1	0.66	1	0.66	5	3.28	0	-	1	0.66	0	-	1	0.66	0	-
12	3.349	15	4.48	1	0.30	1	0.30	10	2.99	0	-	0	-	0	-	3	0.90	0	-
13	2.005	3	1.50	0	-	0	-	3	1.50	0	-	0	-	0	-	0	-	0	-
14	1.563	4	2.56	1	0.64	0	-	1	0.64	0	-	0	-	0	-	2	1.28	0	-
15	2.495	13	5.21	0	-	0	-	9	3.61	0	-	0	-	1	0.40	3	1.20	0	-
16	2.069	8	3.87	0	-	2	0.97	6	2.90	0	-	0	-	0	-	0	-	0	-
17	1.225	7	5.71	0	-	1	0.82	4	3.27	0	-	0	-	0	-	2	1.63	0	-
18	2.958	17	5.75	0	-	0	-	16	5.41	0	-	0	-	0	-	1	0.34	0	-
19	3.161	11	3.48	0	-	0	-	7	2.21	0	-	0	-	1	0.32	3	0.95	0	-
20	4.533	12	2.65	1	0.22	1	0.22	9	1.99	0	-	0	-	0	-	1	0.22	0	-
21	3.739	5	1.34	0	-	1	0.27	4	1.07	0	-	0	-	0	-	0	-	0	-
22	3.910	19	4.86	2	0.51	2	0.51	13	3.32	0	-	0	-	0	-	2	0.51	0	-
23	3.245	4	1.23	0	-	0	-	3	0.92	0	-	0	-	0	-	1	0.31	0	-
24	1.995	10	5.01	2	1.00	1	0.50	4	2.00	0	-	0	-	1	0.50	2	1.00	0	-
25	4.472	23	5.14	1	0.22	0	-	12	2.68	0	-	0	-	1	0.22	9	2.01	0	-
28	1.989	7	3.52	0	-	0	-	4	2.01	0	-	0	-	0	-	3	1.51	0	-
30	1.211	8	6.61	0	-	0	-	5	4.13	0	-	0	-	1	0.83	2	1.65	0	-
31	0.752	1	1.33	0	-	0	-	0	-	0	-	0	-	0	-	1	1.33	0	-
TA Total	67.285	282	4.19	16	0.24	21	0.31	174	2.59	0	-	4	0.06	10	0.15	57	0.85	0	-
TOTAL	86.990	479	5.51	26	0.30	33	0.38	276	3.17	0	-	15	0.17	16	0.18	111	1.28	2	0.02

Table 8b: CA Harvest Density (D) per Huntability 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	27	20.62	1	0.76	2	1.53	9	6.87	0	-	3	2.29	2	1.53	10	7.64	0	-
CA2	0.487	5	10.27	0	-	0	-	3	6.16	0	-	0	-	0	-	2	4.11	0	-
CA3	0.319	1	3.14	0	-	0	-	0	-	0	-	0	-	1	3.14	0	-	0	-
CA4	0.669	6	8.97	2	2.99	0	-	1	1.50	0	-	0	-	0	-	2	2.99	1	1.50
CA5	0.667	3	4.50	0	-	0	-	1	1.50	0	-	0	-	0	-	2	3.00	0	-
CA6	0.589	4	6.79	1	1.70	0	-	3	5.09	0	-	0	-	0	-	0	-	0	-
CA7	1.234	6	4.86	0	-	0	-	4	3.24	0	-	0	-	0	-	2	1.62	0	-
CA8	0.398	6	15.06	0	-	1	2.51	3	7.53	0	-	0	-	0	-	2	5.02	0	-
CA9	0.338	2	5.91	0	-	0	-	0	-	0	-	2	5.91	0	-	0	-	0	-
CA10A	0.655	9	13.74	2	3.05	0	-	5	7.63	0	-	0	-	0	-	2	3.05	0	-
CA10B	0.593	2	3.37	0	-	0	-	1	1.69	0	-	0	-	0	-	1	1.69	0	-
CA11A	0.368	2	5.44	0	-	0	-	1	2.72	0	-	1	2.72	0	-	0	-	0	-
CA11B	0.281	2	7.12	0	-	0	-	0	-	0	-	0	-	0	-	2	7.12	0	-
CA12	0.466	3	6.44	1	2.15	0	-	2	4.30	0	-	0	-	0	-	0	-	0	-
CA13	0.523	2	3.82	0	-	0	-	0	-	0	-	1	1.91	0	-	1	1.91	0	-
CA14A	0.544	11	20.23	0	-	0	-	7	12.87	0	-	1	1.84	0	-	2	3.68	1	1.84
CA14B	0.899	7	7.79	0	-	0	-	5	5.56	0	-	0	-	0	-	2	2.22	0	-
CA15	0.918	10	10.90	1	1.09	1	1.09	6	6.54	0	-	0	-	0	-	2	2.18	0	-
CA16	1.613	22	13.64	1	0.62	3	1.86	8	4.96	0	-	2	1.24	1	0.62	7	4.34	0	-
CA17	0.881	9	10.21	0	-	0	-	7	7.94	0	-	0	-	0	-	2	2.27	0	-
CA18	0.826	7	8.48	0	-	1	1.21	3	3.63	0	-	0	-	1	1.21	2	2.42	0	-
CA19A	0.738	5	6.78	0	-	0	-	5	6.78	0	-	0	-	0	-	0	-	0	-
CA19B	0.473	5	10.57	1	2.11	2	4.23	2	4.23	0	-	0	-	0	-	0	-	0	-
CA20	0.695	11	15.82	0	-	1	1.44	4	5.75	0	-	1	1.44	0	-	5	7.19	0	-
CA21	0.993	6	6.04	0	-	1	1.01	2	2.01	0	-	0	-	1	1.01	2	2.01	0	-
CA22	0.474	4	8.44	0	-	0	-	3	6.33	0	-	0	-	0	-	1	2.11	0	-
CA23	0.411	3	7.30	0	-	0	-	1	2.43	0	-	0	-	0	-	2	4.87	0	-
CA24	0.323	0	0.00	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
CA25	0.484	7	14.46	0	-	0	-	6	12.39	0	-	0	-	0	-	1	2.07	0	-
CA26	0.294	6	20.39	0	-	0	-	6	20.39	0	-	0	-	0	-	0	-	0	-
CA27	0.243	4	16.46	0	-	0	-	4	16.46	0	-	0	-	0	-	0	-	0	-
CA Total	19.706	197	10.00	10	0.51	12	0.61	102	5.18	0	-	11	0.56	6	0.30	54	2.74	2	0.10
TOTAL	86.990	479	5.51	26	0.30	33	0.38	276	3.17	0	-	15	0.17	16	0.18	111	1.28	2	0.02

Table 9a: Hunter Effort and Success Rates by Area for TA areas

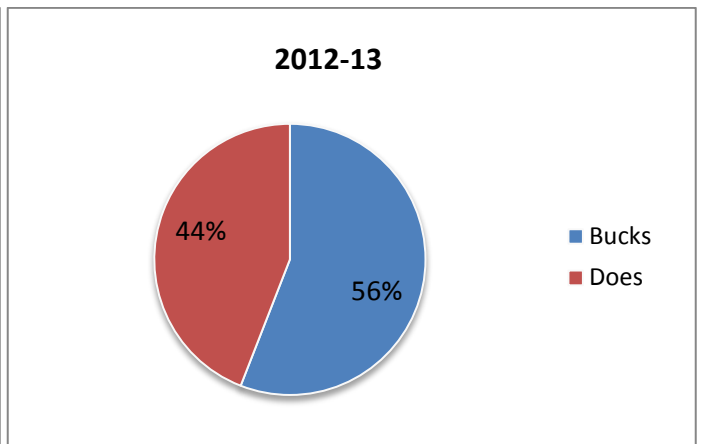
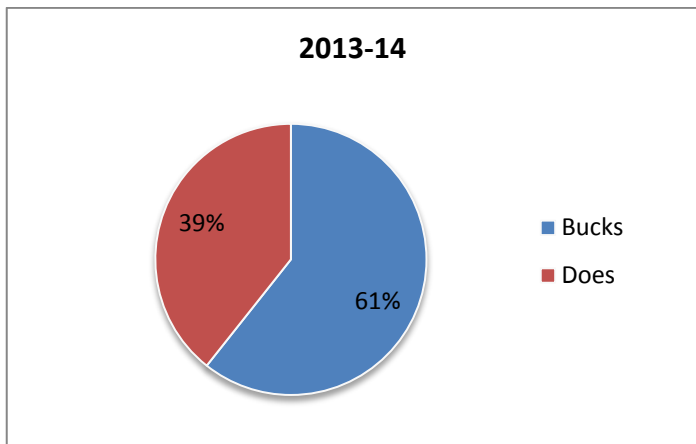
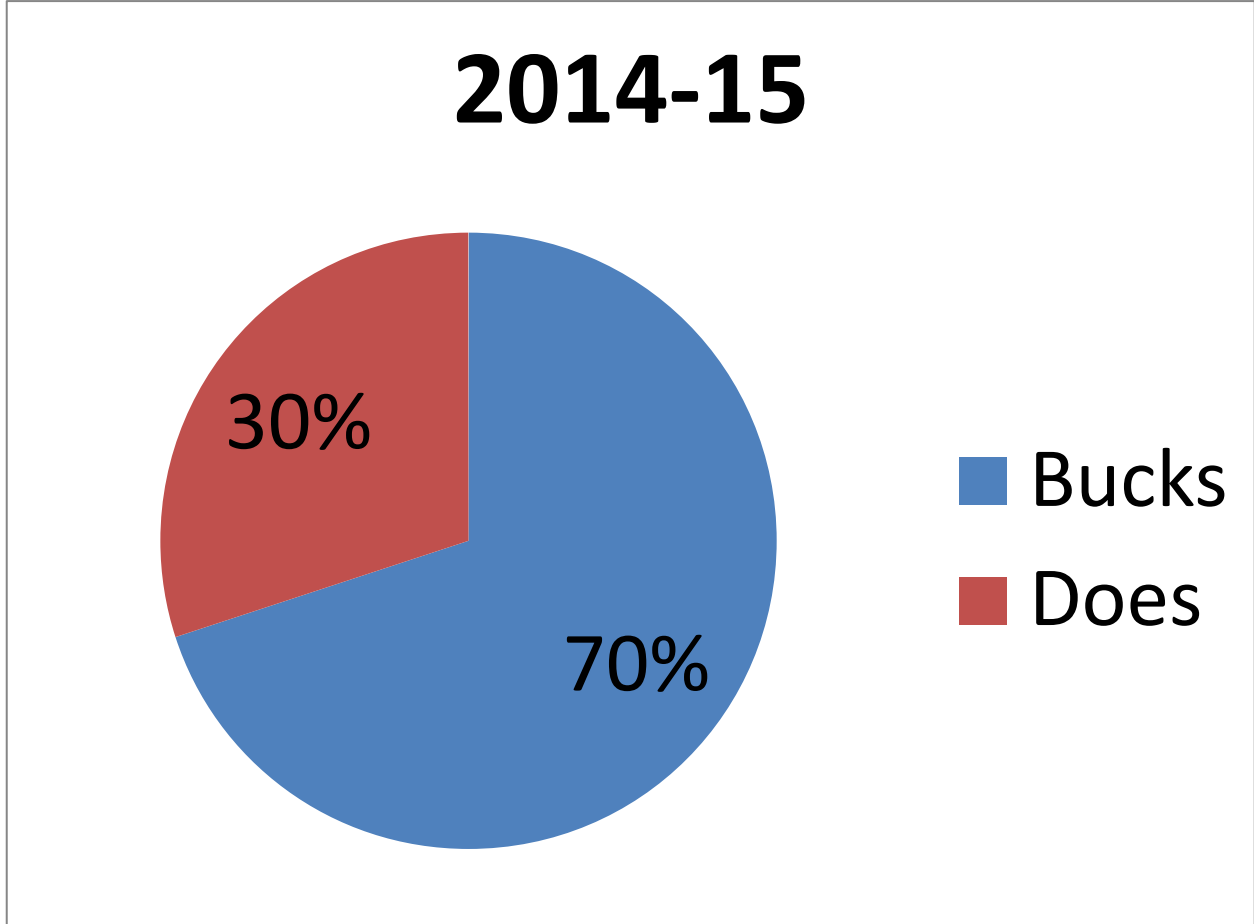
Training Area	# Deer Harvested	# of Hunt Trips	# of Hours Hunted	Hunt Trips per Deer Harvested	Hours per Deer Harvested
1	11	332	1780.35	30.2	161.85
2	6	239	1263.87	39.8	210.65
3	9	251	1172.83	27.9	130.31
4	3	63	426.47	21.0	142.16
5	15	446	2129.52	29.7	141.97
6	14	429	2273.88	30.6	162.42
7	17	381	1824.18	22.4	107.30
8	10	186	1090.70	18.6	109.07
9	10	242	1390.33	24.2	139.03
10	11	296	1872.63	26.9	170.24
11	9	182	1129.22	20.2	125.47
12	15	276	1555.75	18.4	103.72
13	3	134	805.65	44.7	268.55
14	4	301	1590.03	75.3	397.51
15	13	304	1850.43	23.4	142.34
16	8	245	1384.50	30.6	173.06
17	7	168	1034.57	24.0	147.80
18	17	308	1615.40	18.1	95.02
19	11	219	1417.08	19.9	128.83
20	12	405	2360.87	33.8	196.74
21	5	236	1272.23	47.2	254.45
22	19	490	2745.92	25.8	144.52
23	4	231	1231.10	57.8	307.78
24	10	459	2905.40	45.9	290.54
25	23	579	3628.67	25.2	157.77
26	0	0	0.00	-	-
27	0	0	0.00	-	-
28	7	195	1375.68	27.9	196.53
30	8	165	1001.80	20.6	125.23
31	1	102	492.25	102.0	492.25
TA Total	282	7864	44621.31	27.9	158.23
Total	479	10441	65068.33	21.8	135.84

Table 9b: 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	27	122	1770.55	4.5	65.58
CA2	5	101	486.58	20.2	97.32
CA3	1	61	218.83	61.0	218.83
CA4	6	88	782.22	14.7	130.37
CA5	3	61	345.93	20.3	115.31
CA6	4	56	684.38	14.0	171.10
CA7	6	110	803.63	18.3	133.94
CA8	6	68	511.98	11.3	85.33
CA9	2	44	328.00	22.0	164.00
CA10A	9	31	412.07	3.4	45.79
CA10B	2	60	263.62	30.0	131.81
CA11A	2	39	349.73	19.5	174.87
CA11B	2	45	201.35	22.5	100.68
CA12	3	108	694.47	36.0	231.49
CA13	2	89	593.53	44.5	296.77
CA14A	11	109	920.55	9.9	83.69
CA14B	7	162	1066.68	23.1	152.38
CA15	10	150	1282.22	15.0	128.22
CA16	22	283	2563.15	12.9	116.51
CA17	9	110	1065.12	12.2	118.35
CA18	7	101	790.00	14.4	112.86
CA19A	5	67	798.47	13.4	159.69
CA19B	5	55	565.55	11.0	113.11
CA20	11	106	919.95	9.6	83.63
CA21	6	74	554.82	12.3	92.47
CA22	4	41	406.12	10.3	101.53
CA23	3	51	614.63	17.0	204.88
CA24	0	33	218.37	-	-
CA25	7	46	408.82	6.6	58.40
CA26	6	54	284.67	9.0	47.45
CA27	4	52	621.35	13.0	155.34
CA Total	197	2577	21527.34	13.1	109.28
Total	479	10441	66148.65	21.8	138.10

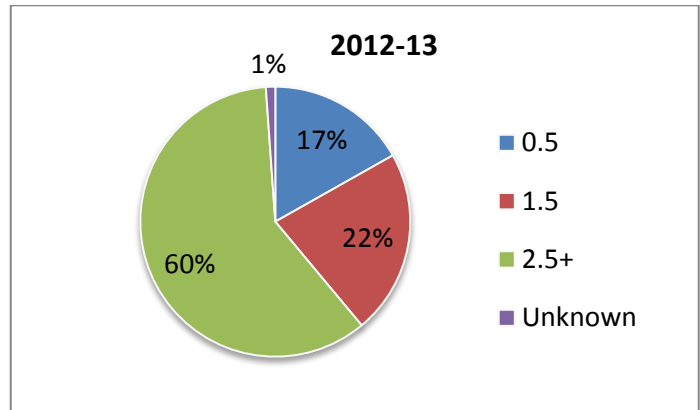
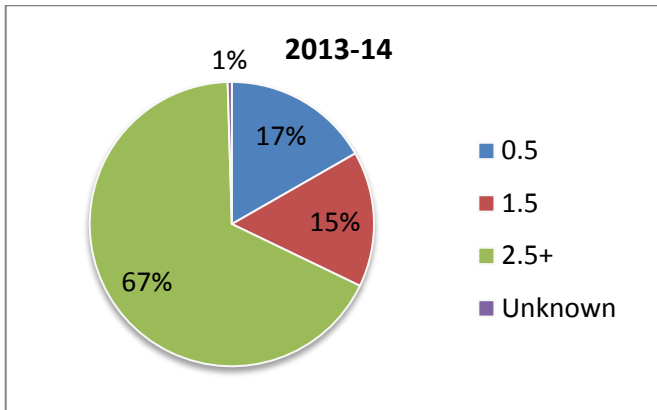
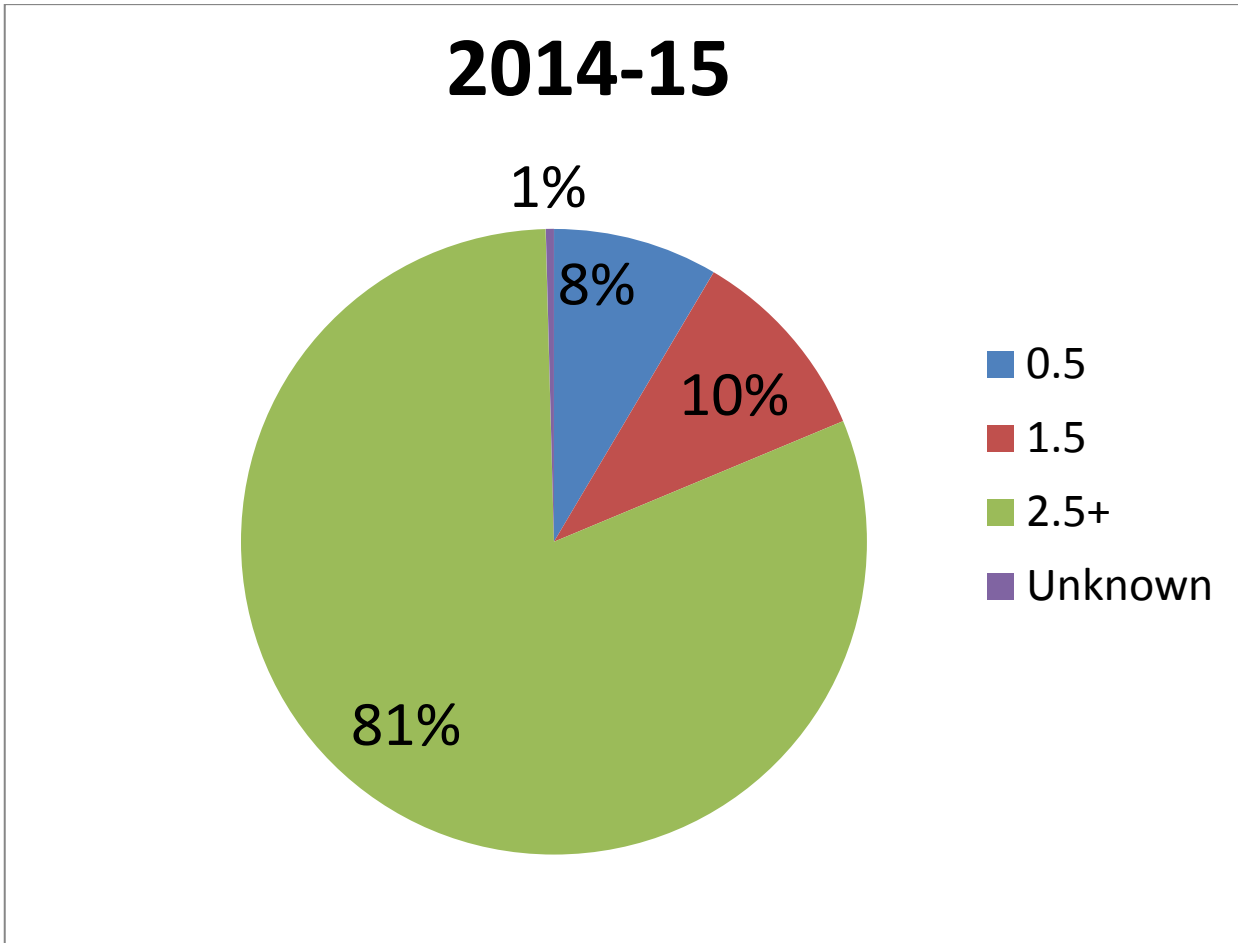
Historical Data Comparison

Chart 1: Harvest Sex Ratio



Historical Data Comparison

Chart 2: Harvest Age Structure



Historical Data Comparison

Chart 3: Doe Harvest Age Structure

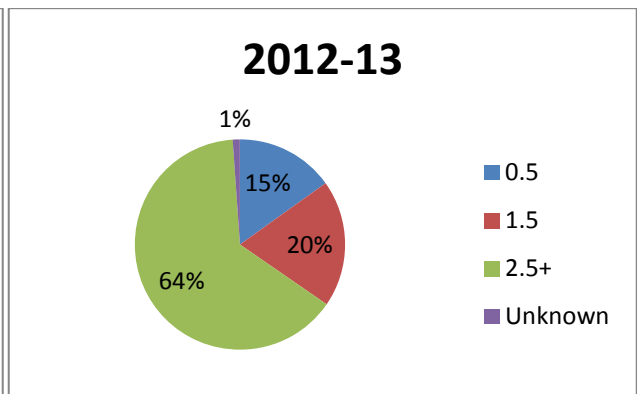
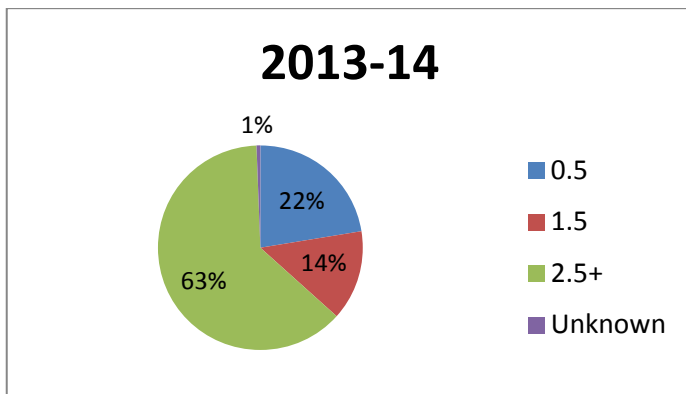
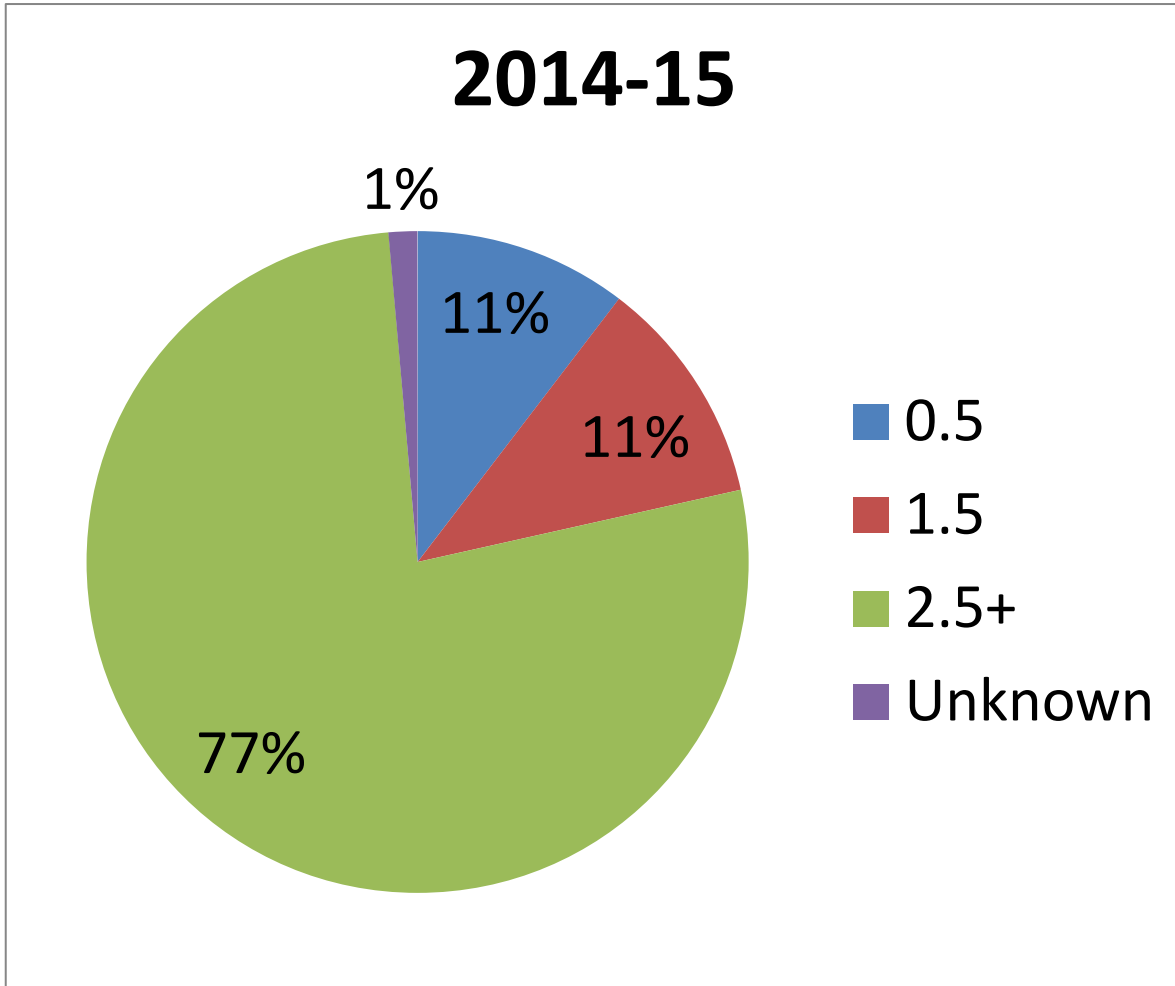


Chart 3: Training Area and Controlled Access Area Comparison

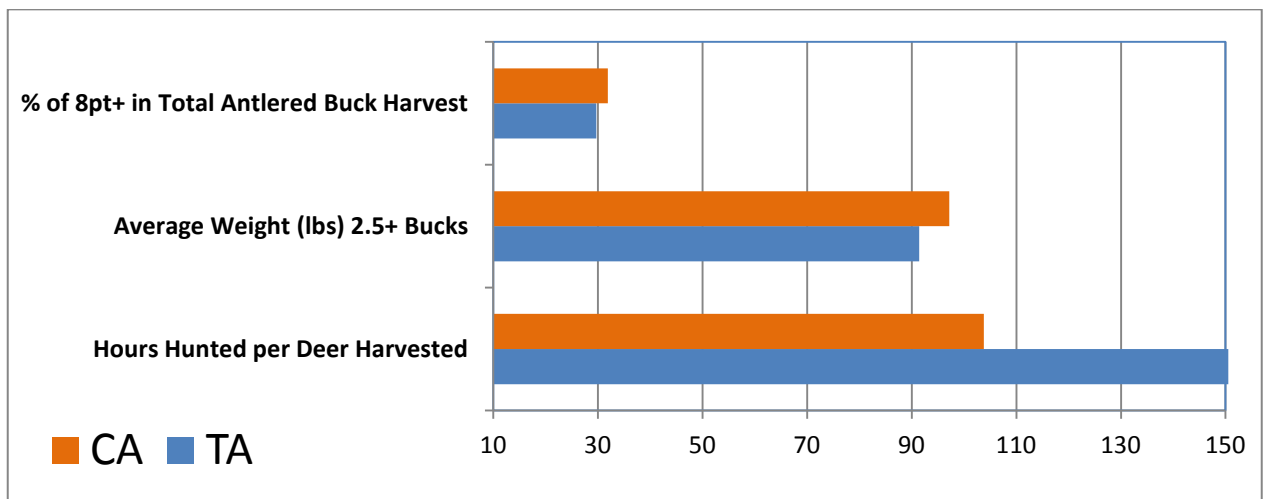
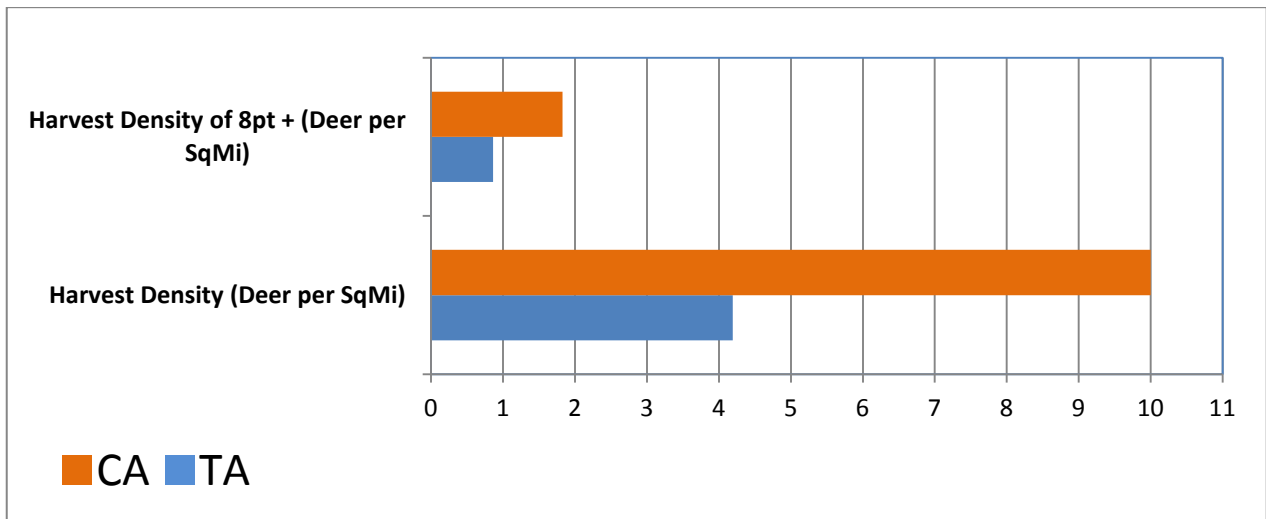
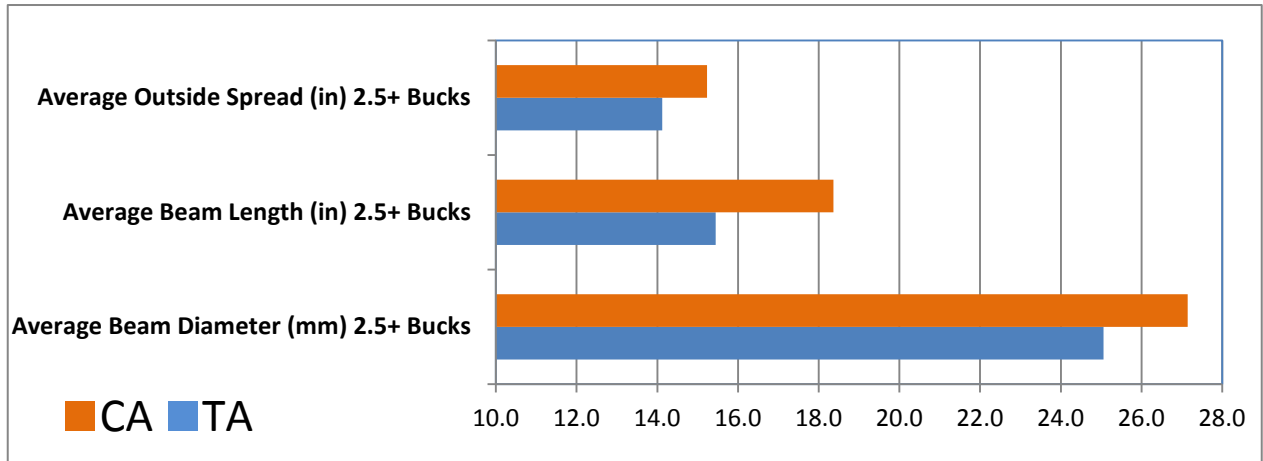


Chart 4: Historical Buck to Doe Harvest Ratios

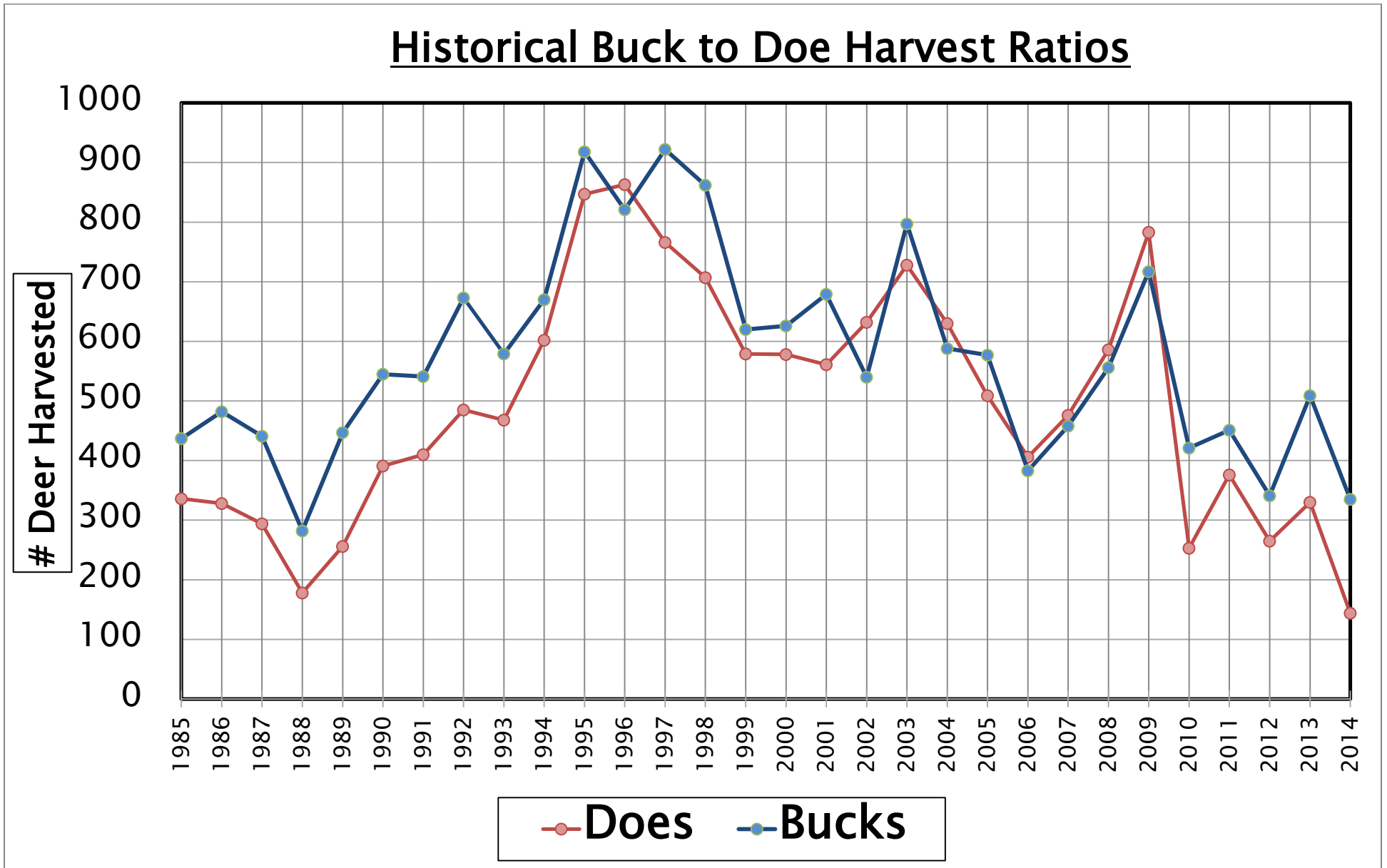


Chart 5: Yearling Weights and White Oak Mast Survey

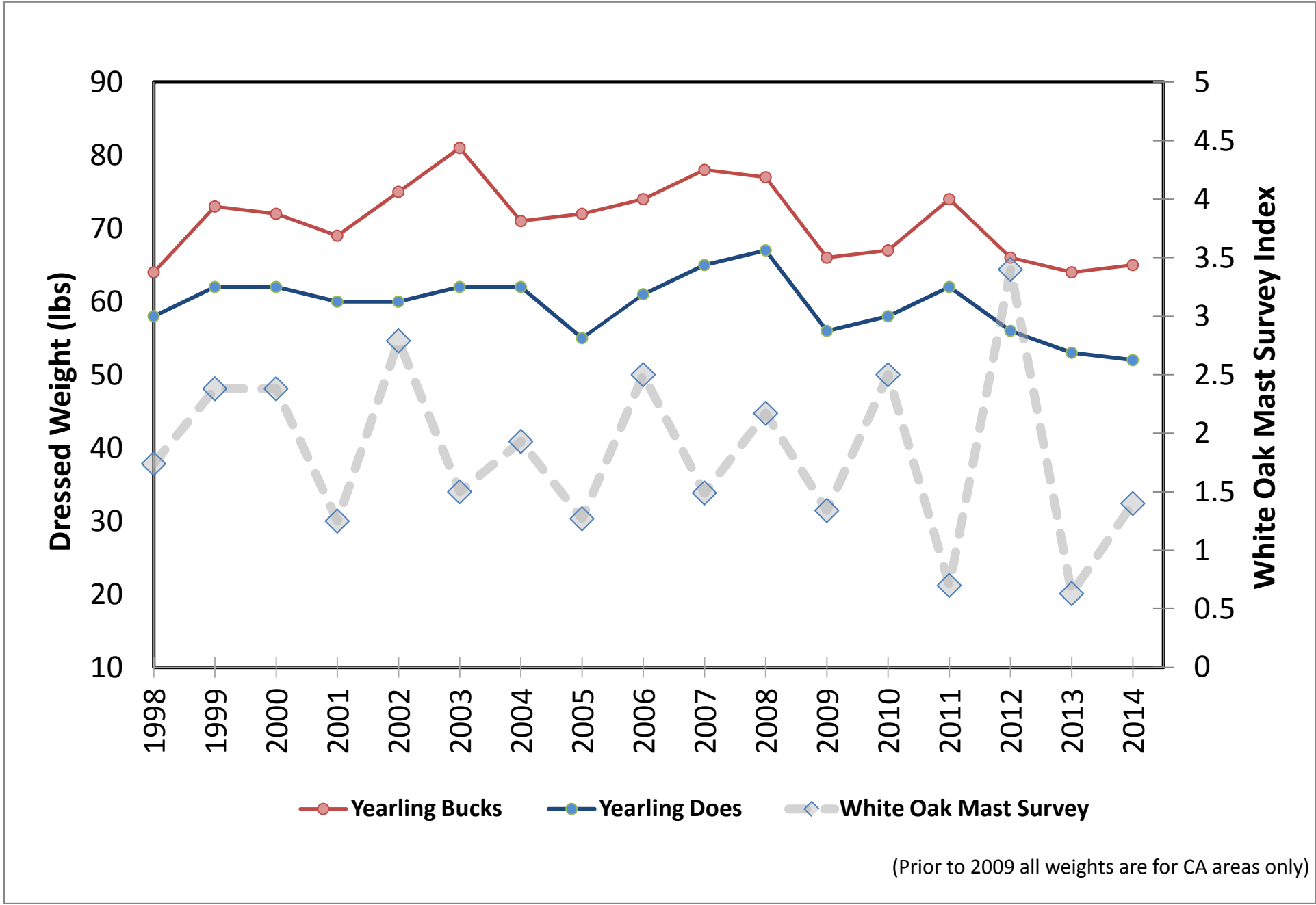


Table 11: Reproductive Statistics Comparison

	2014-2015	2013-2014	2012-13
Fawn to Doe Ratio: # of fawns per bearing age (2.5+ yr old) doe harvested	0.37	0.68	0.60
% Fawns in antlerless harvest	23.9%	32.5%	31.9%
% Fawns in the total deer harvest	8.6%	16.8%	17.3%
Lactation Rate: for 2.5 yr olds	45.0%	56.3%	55.6%
Lactation Rate: for 3.5+ yr olds	50.0%	50.0%	44.4%

Chart 6: Comparison Hunting Trips

