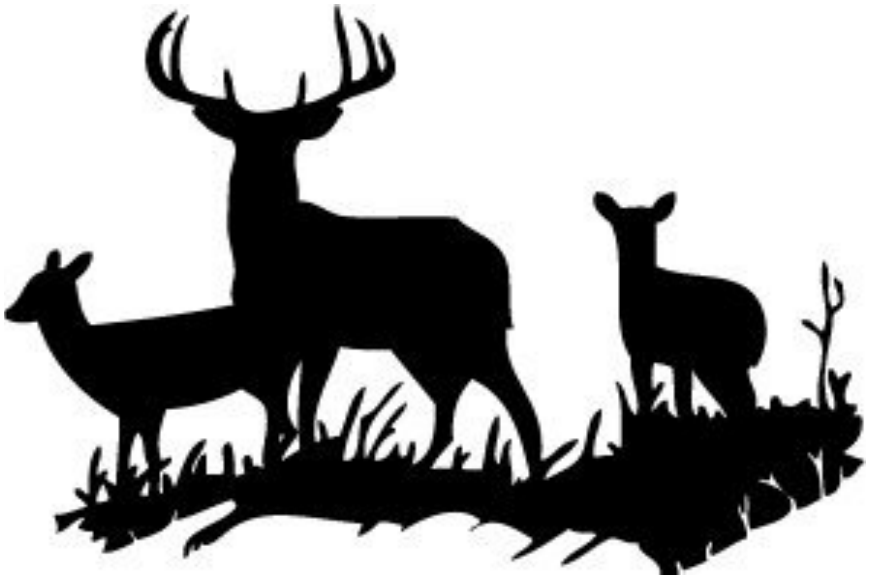
FORT A.P. HILL DEER HARVEST REPORT 2017 - 2018



Fort A.P. Hill 2017-18 Deer Harvest Report

The 2017-18 deer harvest at Fort A.P. Hill (FAPH), was 453. That is up 32% from last year's total of 310 without an increase of either sex hunting days. There were 325 (72%) bucks and 128 (28%) does harvested. The number of hunting trips slightly increase for 2016's 8561 to 2017's 8601. Hunters spent 46,980 hours in the woods. It took an average of 19 trips and 103.71 hours for each deer harvested.

Oak Mast Crop

This past fall's oak mast crop was poor and spotty. The herd had to spend more time on its feet in search of food, which typically increases harvest. The mast crop in 2016 was very heavy and the deer went into the summer in good shape. This was reflected in this year's outstanding development of trophy antlers on many of the older aged class bucks. Many species of wildlife on FAPH are acorn mast driven. The deer herds health, weights, fawn survival, and antler development are influenced greatly by the previous year's acorn mast crop success.

EHD

There was not an outbreak of Epizootic Hemorrhagic Disease (EHD) this fall at FAPH. The FAPH deer herd has suffered from three EHD deadly outbreaks in the last seven years. These outbreaks combined with coyote predation and one severe winter die-off created a sharply declining population that was unable to rebound despite a drastic reduction in either-sex hunting days.

Bears

No bears were harvested on FAPH again this season. Bear sightings have become rare again in recent years. Bears were harvested for two consecutive seasons, one in 2012 and one in 2013. Since then bear sightings have been very rare and the state population which seemed to be quickly expanding towards Caroline County now seems to be stalled. No resident bears are believed to be calling FAPH their home currently.

Fawn Research

Beginning in the spring of 2011 the FAPH Fish and Wildlife Branch started a fawn research project. The research goals were to retrieve known age jaws from future hunter harvested animals to assist with tooth wear aging specific to FAPH and also to

determine how far our young bucks were dispersing at one to one and a half years of age.

The fawns are captured in spring soon after they are born. They are located in their beds by using FLIR infrared handheld thermal imagers. Fawns are then captured by hand if they are no more than a day or two old. Any fawns older than one or two days old are very difficult to catch, and most often get away.

Once captured the fawn's location, sex and weight are recorded. A small tag is then placed in the ear. The tags are brown on the outer ear side and white on the inner ear side. This makes the tag hard to see by a hunter in the future removing the possibility of hunter bias in either purposely shooting a deer because they see the tag or passing one that has a visual tag. FAPH Fish and Wildlife Branch information is printed on the tag.

To date, 67 fawns have been captured and tagged. Of those 67 fawns only six have been harvested by hunters. All of those six have been male with the youngest being a fawn (6 months), and the oldest 2.5 years old. The average dispersion rate of these deer 1.5 years or older is 2.85 miles. The longest distance a fawn moved from its birth site has been 5.8 miles, leaving it's capture site in TA 3B and being harvest 2.5 years later in TA 9B. The shortest movement of tagged deer is .16 miles.

Research in southeastern US has shown that bucks typically disperse an average of 6 miles from its birth location. This dispersal generally takes place when they are 12 – 18 months old.

Expectations for Next Season

This past season's poor acorn mast crop forced many of FAPH deer to graze on grass near roadways giving the appearance of a higher deer population rebound than has actually happened. That stated, the population rebound of FAPH's deer herd has finally developed. After many seasons of deer populations dropping despite drastic cuts in the number of either-sex hunting days, we are finally achieving the balance necessary to increase the herd. We have enough does in the herd producing a sufficient number of fawns to overcome the predation of coyotes and other forms of mortality. Assuming there is not a severe EHD outbreak this August through October the deer numbers should be reaching our objective level.

It is anticipated that the antlerless bag limit and the number of either sex hunting days will be increased next season to slow the herd growth moving FAPH towards a stabilized population.

Table 1: Harvest Totals and Percentage by Area and Sex

	Harvest		% of Total Harvest
Males	**325**		**71.7%**
TA	247	76.0%	54.5%
CA	78	24.0%	17.2%
Females	**128**		**28.3%**
TA	78	60.9%	17.2%
CA	50	39.1%	11.1%
Total Harvest	**453**		**100.0%**
TA	325		71.7%
CA	128		28.3%

Table 2a: Age Distribution

Age Class	Male		Female		Total	
	NO.	(%)	NO.	(%)	NO.	(%)
0.5 year-olds (Fawns)	18	5.5	24	18.8	42	9.3
1.5 year-olds (Yearlings)	60	18.5	17	13.3	77	17.0
2.5 year-olds	88	27.1	27	21.1	115	25.4
3.5 year-olds	63	19.4	11	8.6	74	16.3
4.5 year-olds	48	14.8	12	9.4	60	13.2
5.5 year-olds	32	9.8	14	10.9	46	10.2
6.5 year-olds	13	4.0	12	9.4	25	5.5
7.5 year-olds	2	0.6	5	3.9	7	1.5
8.5 year-olds +	1	0.3	3	2.3	4	0.9
Unknown	0	0.0	3	2.3	3	0.7
Totals	**325**		**128**		**453**	

Age Class	Male			Female			Total		
	2017-18	2016-17	2015-16	2017-18	2016-17	2015-16	2017-18	2016-17	2015-16
0.5 year-olds (Fawns)	5.5%	4.9%	4.8%	18.8%	10.9%	16.4%	9.3%	6.1%	6.9%
1.5 year-olds (Yearlings)	18.5%	22.8%	12.5%	13.3%	18.8%	16.4%	17.0%	21.9%	13.2%
2.5 year-olds	27.1%	25.2%	25.3%	21.1%	12.5%	26.2%	25.4%	22.6%	25.4%
3.5 year-olds	19.4%	22.0%	36.3%	8.6%	18.8%	18.0%	16.3%	21.3%	32.9%
4.5 year-olds	14.8%	12.2%	10.6%	9.4%	10.9%	11.5%	13.2%	11.9%	10.8%
5.5 year-olds	9.8%	9.8%	7.7%	10.9%	17.2%	6.6%	10.2%	11.3%	7.5%
6.5 year-olds	4.0%	2.8%	1.8%	9.4%	6.3%	3.3%	5.5%	3.5%	2.1%
7.5 year-olds	0.6%	0.0%	0.0%	3.9%	3.1%	0.0%	1.5%	0.6%	0.0%
8.5 year-olds +	0.3%	0.0%	0.0%	2.3%	0.0%	0.0%	0.9%	0.0%	0.0%
Unknown	0.0%	0.4%	1.1%	2.3%	1.6%	1.6%	0.7%	0.6%	1.2%

Table 2b: Age Distribution Historical Comparison

Table 2c: Age Distribution Historical Comparison

Year	Bucks - Age %			Does - Age %		
	0.5	**1.5**	**2.5+**	**0.5**	**1.5**	**2.5+**
2015	5%	12%	83%	16%	16%	67%
2016	5%	23%	72%	11%	19%	70%
2017	6%	19%	76%	19%	13%	68%

Table 3: Statistics for Females

Age Class	Dressed Weight		Lactation Rates (October)	
	Avg.	**No.**	**Percent**	**No.**
0.5 year-olds (Fawns)	34.0	24	--	--
1.5 year-olds (Yearlings)	56.3	17	--	--
2.5 year-olds	68.5	27	61.5%	8
3.5 year-olds +	68.7	58	61.1%	11

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)	5.5%	34.9	18	-	-	-	-	-	-	-	-
1.5 year-olds (Yearlings)	18.5%	69.7	60	2.9	57	15.8	57	7.2	55	7.9	57
2.5 year-olds	27.1%	90.5	88	6.6	87	25.0	87	14.2	87	15.6	87
3.5 year-olds +	48.9%	106.5	159	7.5	155	31.3	155	17.9	149	19.3	155

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

# of Points	Total		TA		CA	
	#	D	#	D	#	D
BB	17	0.19	11	016	6	0.30
1	0	0.00	0	0.00	0	0.00
2	34	0.38	33	0.48	1	0.05
3	10	0.11	10	0.14	0	0.00
4	21	0.24	21	0.30	0	0.00
5	17	0.19	12	0.17	5	0.25
6	51	0.57	35	0.50	16	0.81
7	46	0.52	34	0.49	12	0.61
8	94	1.05	66	0.95	28	1.42
9	16	0.18	14	0.20	2	0.10
10	6	0.07	3	0.04	3	0.15
11	3	0.03	2	0.03	1	0.05
12	1	0.01	0	0.00	1	0.05
17	1	0.01	1	0.01	0	0.00
SHED	8	0.09	5	0.07	3	0.15
D = Density (# deer harvested per square mile)						

Table 6: Antler Measurements

2017-2018			
	Total	**TA**	**CA**
# Antlered	300	231	69
# 8pt +	121	86	35
% 8pt +	40.3%	37.2%	50.7%
Harvest Density (8pt+ per SQ Mi)	1.36	1.24	1.78
% 1.5 w/ Spikes	53.3%	55.3%	33%
Avg 1.5 Beam Diameter (mm)	15.8	15.6	18.7
Avg 2.5+ Beam Diameter (mm)	29.0	28.4	30.8
Avg 1.5 Beam Length (in)	7.9	7.8	10.0
Avg 2.5+ Beam Length (in)	18.0	17.7	18.8
Avg 1.5 Outside Spread (in)	7.2	7.1	9.1
Avg 2.5+ Outside Spread (in)	16.6	16.2	17.5

2016-2017			
	Total	**TA**	**CA**
# Antlered	233	175	58
# 8pt +	72	41	31
% 8pt +	30.9%	23.4%	53.4%
Harvest Density (8pt+ per SQ Mi)	0.81	0.59	1.57
% 1.5 w/ Spikes	71.4%	72.7%	N/A
Avg 1.5 Beam Diameter (mm)	14.7	14.6	17.0
Avg 2.5+ Beam Diameter (mm)	27.3	26.4	29.1
Avg 1.5 Beam Length (in)	7.0	7.0	10.3
Avg 2.5+ Beam Length (in)	18.3	18.1	18.7
Avg 1.5 Outside Spread (in)	6.8	6.8	9.3
Avg 2.5+ Outside Spread (in)	15.7	15.0	17.1

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	10	8	2	33.5	3	68.0	3	126.3	0	-	2	1	46.0	1	81.0	0	-	0	-
2	9	5	0	-	1	57.0	4	103.8	0	-	4	1	20.0	0	-	3	66.0	0	-
3	12	10	1	30.0	3	64.7	6	103.7	0	-	2	1	30.0	0	-	1	61.0	0	-
4	1	1	1	23.0	0	-	0	-	0	-	0	0	-	0	-	0	-	0	-
5	17	12	1	25.0	1	55.0	10	92.5	0	-	5	0	-	1	58.0	4	60.0	0	-
6	14	8	1	40.0	1	62.0	6	115.5	0	-	6	1	30.0	1	50.0	4	62.5	0	-
7	39	24	2	46.0	6	71.8	16	89.1	0	-	15	0	-	1	46.0	14	66.8	0	-
8	12	9	0	-	1	58.0	8	99.1	0	-	3	1	30.0	2	48.5	0	-	0	-
9	9	7	0	-	2	72.0	5	101.4	0	-	2	0	-	0	-	2	57.5	0	-
10	6	5	0	-	1	74.0	4	112.3	0	-	1	0	-	0	-	1	78.0	0	-
11	10	9	1	30.0	3	66.0	5	93.2	0	-	1	0	-	0	-	1	61.0	0	-
12	14	8	0	-	1	N/A	7	112.7	0	-	6	0	-	2	54.0	3	67.0	1	40.0
13	4	4	0	-	0	-	4	97.0	0	-	0	0	-	0	-	0	-	0	-
14	7	3	0	-	2	74.5	1	97.0	0	-	4	0	-	0	-	4	63.0	0	-
15	11	10	0	-	4	73.8	6	81.3	0	-	1	1	27.0	0	-	0	-	0	-
16	5	4	0	-	0	-	4	108.5	0	-	1	0	-	0	-	1	73.0	0	-
17	3	2	0	-	0	-	2	96.0	0	-	1	1	30.0	0	-	0	-	0	-
18	11	8	0	-	1	64.0	7	87.9	0	-	3	1	25.0	0	-	2	58.5	0	-
19	11	11	0	-	2	81.5	9	115.0	0	-	0	0	-	0	-	0	-	0	-
20	12	12	0	-	4	69.0	8	94.9	0	-	0	0	-	0	-	0	-	0	-
21	12	11	1	26.0	2	67.5	8	97.0	0	-	1	0	-	0	-	1	71.0	0	-
22	27	19	0	-	6	63.0	13	92.7	0	-	8	5	36.4	0	-	3	64.0	0	-
23	13	10	0	-	2	66.0	8	99.9	0	-	3	0	-	1	54.0	2	62.5	0	-
24	10	6	2	28.5	1	53.0	3	89.7	0	-	4	1	30.0	1	55.0	2	61.0	0	-
25	22	20	0	-	4	78.0	16	100.8	0	-	2	0	-	0	-	2	75.0	0	-
26	3	3	0	-	0	-	3	124.0	0	-	0	0	-	0	-	0	-	0	-
28	8	6	0	-	1	78.0	5	103.6	0	-	2	0	-	0	-	2	62.0	0	-
30	12	12	0	-	4	73.0	8	111.0	0	-	0	0	-	0	-	0	-	0	-
31	1	0	0	-	0	-	0	-	0	-	1	0	-	0	-	1	95.0	0	-
TA Total	**325**	**247**	**12**	**32.5**	**56**	**69.2**	**179**	**100.1**	**0**	**-**	**78**	**14**	**32.1**	**10**	**54.9**	**53**	**65.3**	**1**	**40.0**
TOTAL	**453**	**325**	**18**	**34.9**	**60**	**69.7**	**247**	**100.7**	**0**	**-**	**128**	**24**	**34.0**	**17**	**56.3**	**85**	**68.6**	**2**	**56.0**

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	3	2	0	-	0	-	2	99.0	0	-	1	0	-	0	-	1	63.0	0	-
CA2	6	3	0	-	0	-	3	93.7	0	-	3	0	-	1	60.0	2	60.5	0	-
CA3	0	0	0	-	0	-	0	-	0	-	0	0	-	0	-	0	-	0	-
CA4	4	3	0	-	0	-	3	103.0	0	-	1	1	36.0	0	-	0	-	0	-
CA5	4	2	0	-	1	93.0	1	96.0	0	-	2	0	-	1	52.0	1	90.0	0	-
CA6	5	2	1	42.0	0	-	1	91.0	0	-	3	0	-	1	55.0	1	62.0	1	72.0
CA7	0	0	0	-	0	-	0	-	0	-	0	0	-	0	-	0	-	0	-
CA8	0	0	0	-	0	-	0	-	0	-	0	0	-	0	-	0	-	0	-
CA9	2	1	1	46.0	0	-	0	-	0	-	1	1	29.0	0	-	0	-	0	-
CA10A	8	3	0	-	1	86.0	2	119.0	0	-	5	2	36.5	1	61.0	2	67.0	0	-
CA10B	0	0	0	-	0	-	0	-	0	-	0	0	-	0	-	0	-	0	-
CA11A	1	1	0	-	0	-	1	102.0	0	-	0	0	-	0	-	0	-	0	-
CA11B	1	1	0	-	0	-	1	119.0	0	-	0	0	-	0	-	0	-	0	-
CA12	8	4	1	39.0	1	56.0	2	107.0	0	-	4	2	34.5	1	56.0	1	71.0	0	-
CA13	4	3	1	38.0	0	-	2	117.5	0	-	1	0	-	0	-	1	79.0	0	-
CA14A	8	6	0	-	1	74.0	5	109.8	0	-	2	1	30.0	0	-	1	76.0	0	-
CA14B	6	4	1	39.0	0	-	3	115.0	0	-	2	0	-	0	-	2	78.5	0	-
CA15	9	7	0	-	0	-	7	109.0	0	-	2	0	-	0	-	2	80.0	0	-
CA16	22	10	1	35.0	0	-	9	97.0	0	-	12	2	44.5	2	62.0	8	78.0	0	-
CA17	5	3	0	-	0	-	3	113.3	0	-	2	0	-	0	-	2	70.0	0	-
CA18	6	3	0	-	0	-	3	87.3	0	-	3	0	-	0	-	3	75.3	0	-
CA19A	3	2	0	-	0	-	2	90.5	0	-	1	0	-	0	-	1	74.0	0	-
CA19B	1	1	0	-	0	-	1	88.0	0	-	0	0	-	0	-	0	-	0	-
CA20	4	2	0	-	0	-	2	93.0	0	-	2	0	-	0	-	2	79.0	0	-
CA21	2	2	0	-	0	-	2	96.5	0	-	0	0	-	0	-	0	-	0	-
CA22	1	1	0	-	0	-	1	106.0	0	-	0	0	-	0	-	0	-	0	-
CA23	0	0	0	-	0	-	0	-	0	-	0	0	-	0	-	0	-	0	-
CA24	4	2	0	-	0	-	2	86.5	0	-	2	1	40.0	0	-	1	71.0	0	-
CA25	6	5	0	-	0	-	5	103.8	0	-	1	0	-	0	-	1	69.0	0	-
CA26	3	3	0	-	0	-	3	101.0	0	-	0	0	-	0	-	0	-	0	-
CA27	2	2	0	-	0	-	2	105.5	0	-	0	0	-	0	-	0	-	0	-
CA Total	**128**	**78**	**6**	**39.8**	**4**	**77.3**	**68**	**102.5**	**0**	**-**	**50**	**10**	**36.6**	**7**	**58.3**	**32**	**74.2**	**1**	**72.0**
TOTAL	**453**	**325**	**18**	**34.9**	**60**	**69.7**	**247**	**100.7**	**0**	**-**	**128**	**24**	**34.0**	**17**	**56.3**	**85**	**68.6**	**2**	**56.0**

Table 8a: 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	10	5.60	2	1.12	3	1.68	3	1.68	0	-	1	0.56	1	0.56	0	-	0	-
2	0.875	9	10.28	0	-	1	1.14	4	4.57	0	-	1	1.14	0	-	3	3.43	0	-
3	1.318	12	9.11	1	0.76	3	2.28	6	4.55	0	-	1	0.76	0	-	1	0.76	0	-
4	0.351	1	2.85	1	2.85	0	-	0	-	0	-	0	-	0	-	0	-	0	-
5	2.864	17	5.93	1	0.35	1	0.35	10	3.49	0	-	0	-	1	0.35	4	1.40	0	-
6	3.714	14	3.77	1	0.27	1	0.27	6	1.62	0	-	1	0.27	1	0.27	4	1.08	0	-
7	3.563	39	10.94	2	0.56	6	1.68	16	4.49	0	-	0	-	1	0.28	14	3.93	0	-
8	2.197	12	5.46	0	-	1	0.46	8	3.64	0	-	1	0.46	2	0.91	0	-	0	-
9	2.253	9	3.99	0	-	2	1.97	5	2.22	0	-	0	-	0	-	2	0.89	0	-
10	2.170	6	2.77	0	-	1	0.46	4	1.84	0	-	0	-	0	-	1	0.46	0	-
11	1.524	10	6.56	1	0.66	3	1.97	5	3.28	0	-	0	-	0	-	1	0.66	0	-
12	3.349	14	4.18	0	-	1	0.30	7	2.09	0	-	0	-	2	0.60	3	0.90	1	0.30
13	2.005	4	2.00	0	-	0	-	4	2.00	0	-	0	-	0	-	0	-	0	-
14	1.563	7	4.48	0	-	2	1.28	1	0.64	0	-	0	-	0	-	4	2.56	0	-
15	2.495	11	4.41	0	-	4	1.60	6	2.41	0	-	1	0.40	0	-	0	-	0	-
16	2.069	5	2.42	0	-	0	-	4	1.93	0	-	0	-	0	-	1	.048	0	-
17	1.225	3	2.45	0	-	0	-	2	1.63	0	-	1	0.82	0	-	0	-	0	-
18	2.958	11	3.72	0	-	1	0.34	7	2.37	0	-	1	0.34	0	-	2	0.68	0	-
19	3.161	11	3.48	0	-	2	0.63	9	2.85	0	-	0	-	0	-	0	-	0	-
20	4.533	12	2.65	0	-	4	0.88	8	1.76	0	-	0	-	0	-	0	-	0	-
21	3.739	12	3.21	1	0.27	2	0.53	8	2.14	0	-	0	-	0	-	1	0.27	0	-
22	3.910	27	6.90	0	-	6	1.53	13	3.32	0	-	5	1.28	0	-	3	0.77	0	-
23	3.245	13	4.01	0	-	2	0.62	8	2.47	0	-	0	-	1	0.31	2	0.62	0	-
24	1.995	10	5.01	2	1.00	1	0.50	3	1.50	0	-	1	0.50	1	0.50	2	1.00	0	-
25	4.472	22	4.92	0	-	4	0.89	16	3.58	0	-	0	-	0	-	2	0.45	0	-
26	2.138	3	1.40	0	-	0	-	3	1.40	0	-	0	-	0	-	0	-	0	-
28	1.820	8	4.02	0	-	1	0.50	5	2.51	0	-	0	-	0	-	2	1.01	0	-
30	1.211	12	9.91	0	-	4	3.30	8	6.61	0	-	0	-	0	-	0	-	0	-
31	0.752	1	1.33	0	-	0	-	0	-	0	-	0	-	0	-	1	1.33	0	-
TA Total	**69.254**	**325**	**4.68**	**12**	**0.17**	**56**	**0.81**	**179**	**2.58**	**0**	**-**	**14**	**0.20**	**10**	**0.14**	**53**	**0.76**	**1**	**0.30**
TOTAL	**88.960**	**453**	**5.08**	**18**	**0.18**	**60**	**0.67**	**247**	**2.77**	**0**	**-**	**24**	**0.27**	**17**	**0.19**	**85**	**0.95**	**2**	**0.02**

Table 8b: 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	3	2.29	0	-	0	-	2	1.53	0	-	0	-	0	-	1	0.76	0	-
CA2	0.487	6	12.32	0	-	0	-	3	6.16	0	-	0	-	1	2.05	2	4.11	0	-
CA3	0.319	0	0.00	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
CA4	0.669	4	5.98	0	-	0	-	3	4.49	0	-	1	1.50	0	-	0	-	0	-
CA5	0.667	4	6.00	0	-	1	1.50	1	1.50	0	-	0	-	1	1.50	1	1.50	0	-
CA6	0.589	5	8.48	1	1.70	0	-	1	1.70	0	-	0	-	1	1.70	1	1.70	1	1.70
CA7	1.234	0	0.00	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
CA8	0.398	0	0.00	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
CA9	0.338	2	5.91	1	2.96	0	-	0	-	0	-	1	2.96	0	-	0	-	0	-
CA10A	0.655	8	12.21	0	-	1	1.53	2	3.05	0	-	2	3.05	1	1.53	2	3.05	0	-
CA10B	0.593	0	0.00	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
CA11A	0.368	1	2.72	0	-	0	-	1	2.72	0	-	0	-	0	-	0	-	0	-
CA11B	0.281	1	3.56	0	-	0	-	1	3.56	0	-	0	-	0	-	0	-	0	-
CA12	0.466	8	17.18	1	2.15	1	2.15	2	4.30	0	-	2	4.30	1	2.15	1	2.15	0	-
CA13	0.523	4	7.64	1	1.91	0	-	2	3.82	0	-	0	-	0	-	1	1.91	0	-
CA14A	0.544	8	14.71	0	-	1	1.84	5	9.20	0	-	1	1.84	0	-	1	1.84	0	-
CA14B	0.899	6	6.67	1	1.11	0	-	3	3.34	0	-	0	-	0	-	2	2.22	0	-
CA15	0.918	9	9.81	0	-	0	-	7	7.63	0	-	0	-	0	-	2	2.18	0	-
CA16	1.613	22	13.64	1	0.62	0	-	9	5.58	0	-	2	1.24	2	1.24	8	4.96	0	-
CA17	0.881	5	5.67	0	-	0	-	3	3.40	0	-	0	-	0	-	2	2.27	0	-
CA18	0.826	6	7.27	0	-	0	-	3	3.63	0	-	0	-	0	-	3	3.63	0	-
CA19A	0.738	3	4.07	0	-	0	-	2	2.71	0	-	0	-	0	-	1	1.36	0	-
CA19B	0.473	1	2.11	0	-	0	-	1	2.11	0	-	0	-	0	-	0	-	0	-
CA20	0.695	4	5.75	0	-	0	-	2	2.88	0	-	0	-	0	-	2	2.88	0	-
CA21	0.993	2	2.01	0	-	0	-	2	2.01	0	-	0	-	0	-	0	-	0	-
CA22	0.474	1	2.11	0	-	0	-	1	2.11	0	-	0	-	0	-	0	-	0	-
CA23	0.411	0	0.00	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
CA24	0.323	4	12.37	0	-	0	-	2	6.19	0	-	1	3.09	0	-	1	3.09	0	-
CA25	0.484	6	12.39	0	-	0	-	5	10.33	0	-	0	-	0	-	1	2.07	0	-
CA26	0.294	3	10.20	0	-	0	-	3	10.20	0	-	0	-	0	-	0	-	0	-
CA27	0.243	2	8.23	0	-	0	-	2	8.23	0	-	0	-	0	-	0	-	0	-
CA Total	**19.706**	**128**	**6.50**	**6**	**0.20**	**4**	**0.20**	**68**	**3.45**	**0**	**-**	**10**	**0.51**	**7**	**0.36**	**32**	**1.62**	**1**	**0.05**
TOTAL	**88.960**	**453**	**5.08**	**18**	**0.18**	**60**	**0.67**	**247**	**2.77**	**0**	**-**	**24**	**0.27**	**17**	**0.19**	**85**	**0.95**	**2**	**0.02**

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

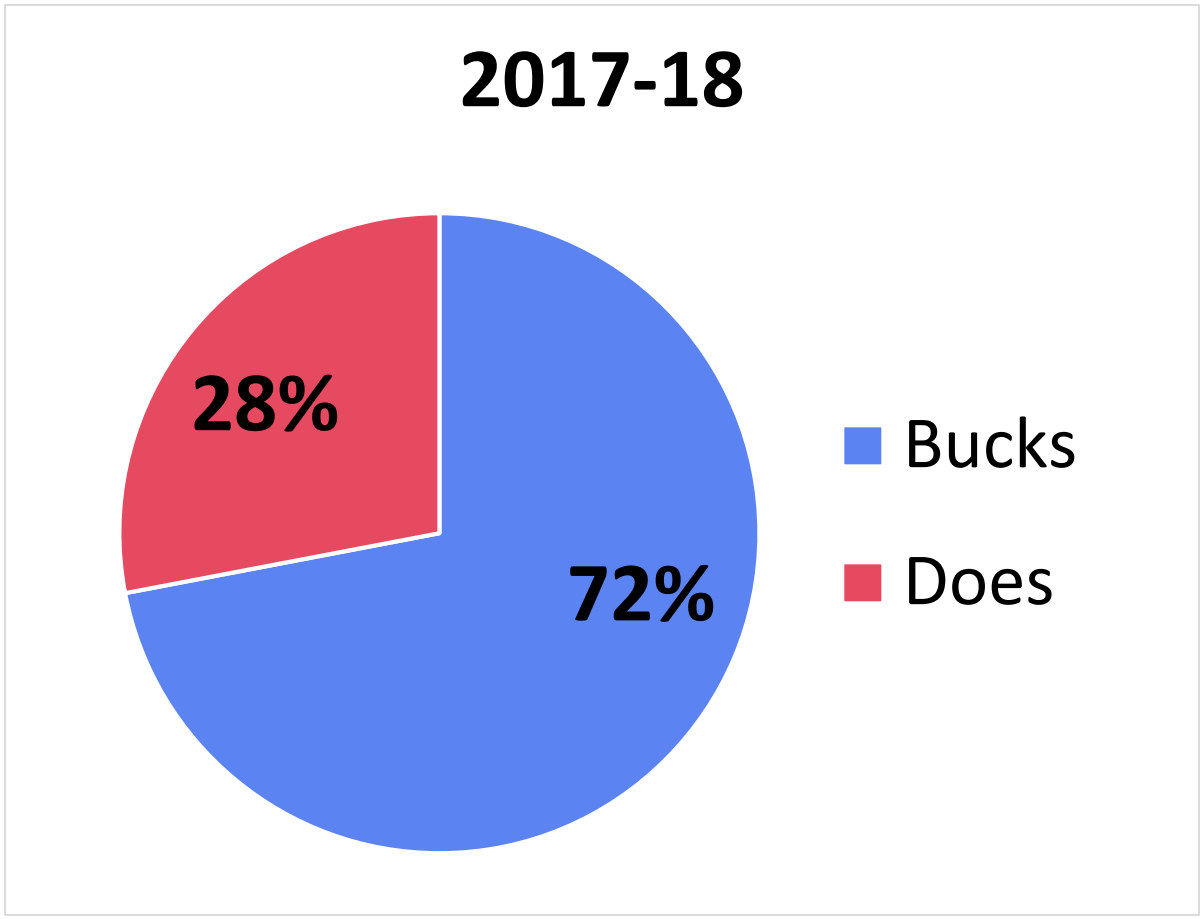
Training Area	# Deer Harvested	# of Hunt Trips	# of Hours Hunted	Hunt Trips per Deer Harvested	Hours per Deer Harvested
1	10	198	953	19.8	95.30
2	9	189	1009	21.0	112.11
3	12	192	897	16.0	74.75
4	1	72	561	72.0	561.00
5	17	320	1647	18.8	96.88
6	14	435	1994	31.1	142.43
7	39	712	3489	18.3	89.46
8	12	187	1098	15.6	91.50
9	9	213	1086	23.7	120.67
10	6	168	876	28	146
11	10	102	536	10.2	53.6
12	14	272	1354	19.4	96.71
13	4	171	791	42.8	197.75
14	7	255	1293	36.4	184.71
15	11	257	1448	23.4	131.64
16	5	169	893	33.8	178.60
17	3	88	434	29.3	144.67
18	11	289	1375	26.3	125.00
19	11	251	1657	22.8	150.64
20	12	341	1885	28.4	157.08
21	12	330	1664	27.5	138.67
22	27	569	3406	21.1	126.15
23	13	179	885	13.8	68.08
24	10	147	892	14.7	89.20
25	22	484	3053	22.0	138.77
26	3	34	274	11.3	91.33
28	8	250	1606	31.3	200.75
30	12	150	930	12.5	77.50
31	1	53	241	53.0	241.00
TA Total	**325**	**7077**	**38227**	**21.8**	**117.62**
Total	**453**	**8607**	**46980**	**19.0**	**103.71**

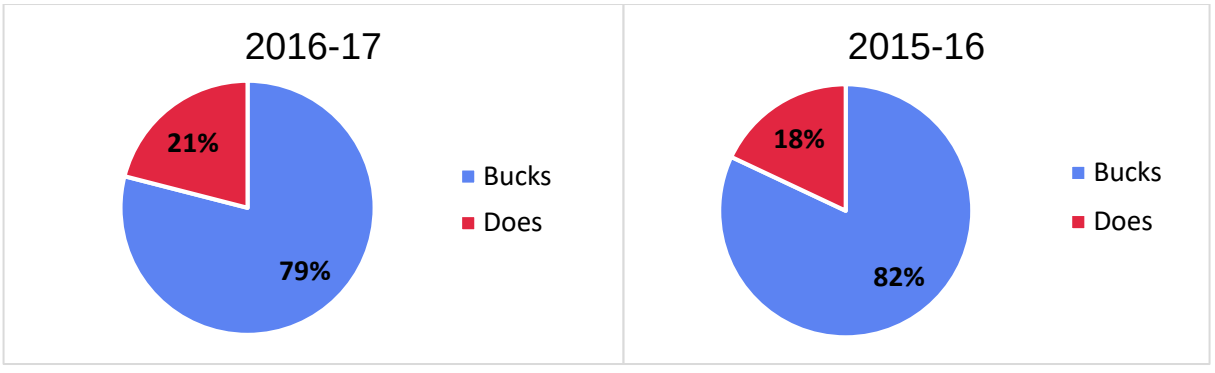
Table 9b: Hunter Effort and Success Rates by Area for CA areas

Training Area	# Deer Harvested	# of Hunt Trips	# of Hours Hunted	Hunt Trips per Deer Harvested	Hours per Deer Harvested
CA1	3	68	439	22.7	146.33
CA2	6	59	304	9.8	50.67
CA3	0	15	62	-	-
CA4	4	33	205	8.3	51.25
CA5	4	57	254	14.3	63.50
CA6	5	39	185	7.8	37.00
CA7	0	4	29	-	-
CA8	0	3	34	-	-
CA9	2	44	231	22.0	115.50
CA10A	8	44	219	5.5	27.38
CA10B	0	25	165	-	-
CA11A	1	45	195	45.0	195.00
CA11B	1	43	317	43.0	317.00
CA12	8	101	611	12.6	76.38
CA13	4	51	280	12.8	70.00
CA14A	8	42	247	5.3	30.88
CA14B	6	123	695	20.5	115.83
CA15	9	93	698	10.3	77.56
CA16	22	156	953	7.1	43.32
CA17	5	57	324	11.4	64.80
CA18	6	57	309	9.5	51.50
CA19A	3	25	160	8.3	53.33
CA19B	1	19	97	19.0	97.00
CA20	4	71	423	17.8	105.75
CA21	2	25	149	12.5	74.50
CA22	1	25	135	25.0	135.00
CA23	0	31	178	-	-
CA24	4	25	127	6.3	31.75
CA25	6	55	340	9.2	56.67
CA26	3	26	138	8.7	46.00
CA27	2	40	182	20.0	91.00
CA Total	**128**	**1530**	**8754**	**12.0**	**68.39**
Total	**453**	**8607**	**46980**	**19.0**	**103.71**

Historical Data Comparison

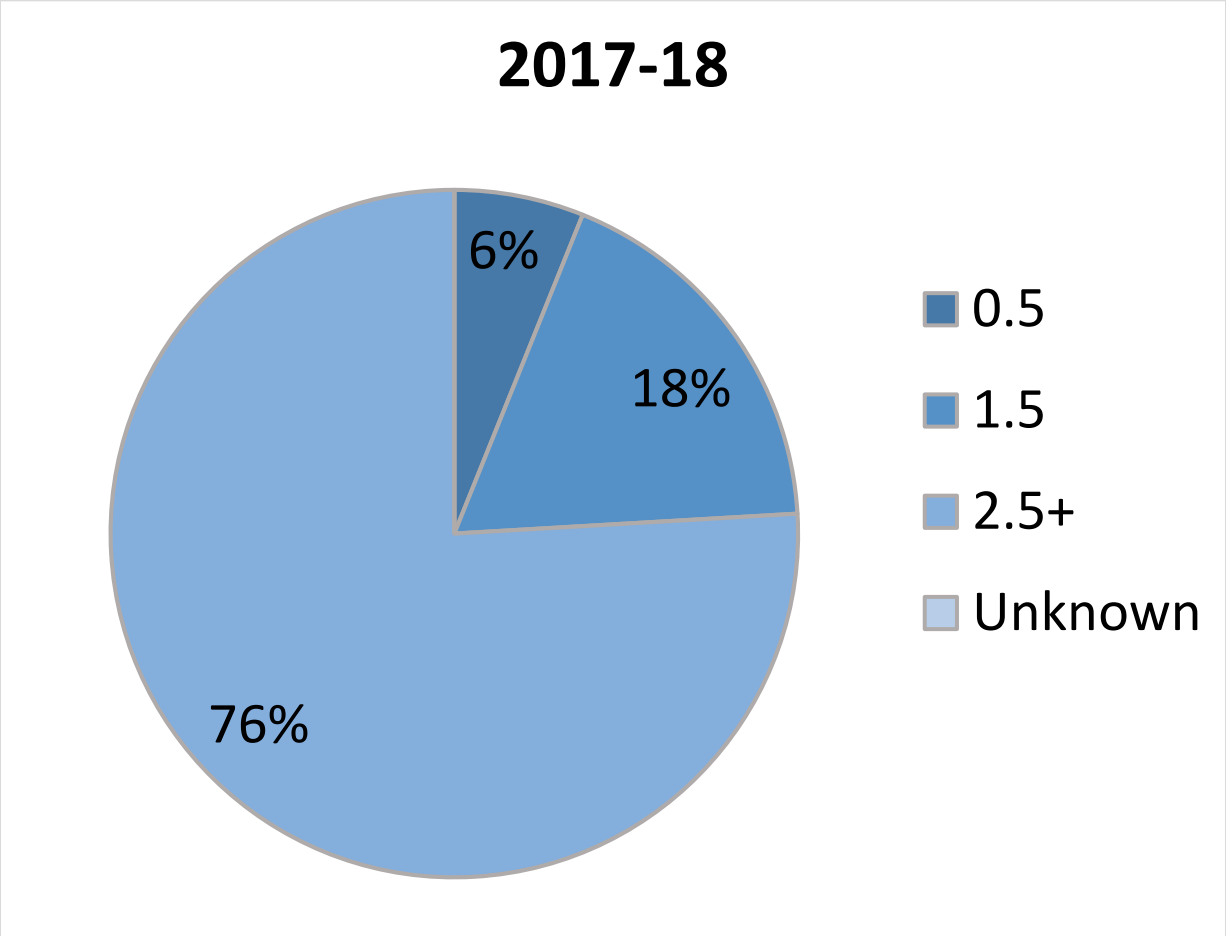
Chart 1: Harvest Sex Ratio

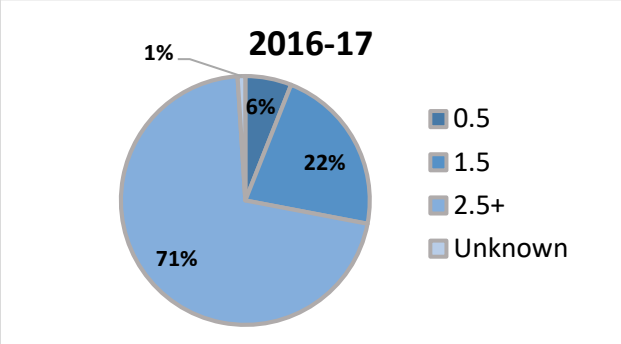


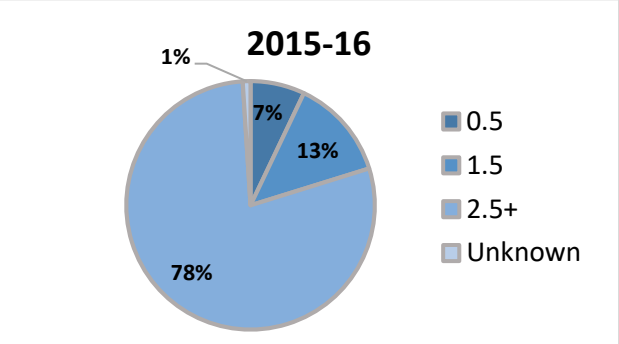


Historical Data Comparison

Chart 2: Buck Harvest Age Structure

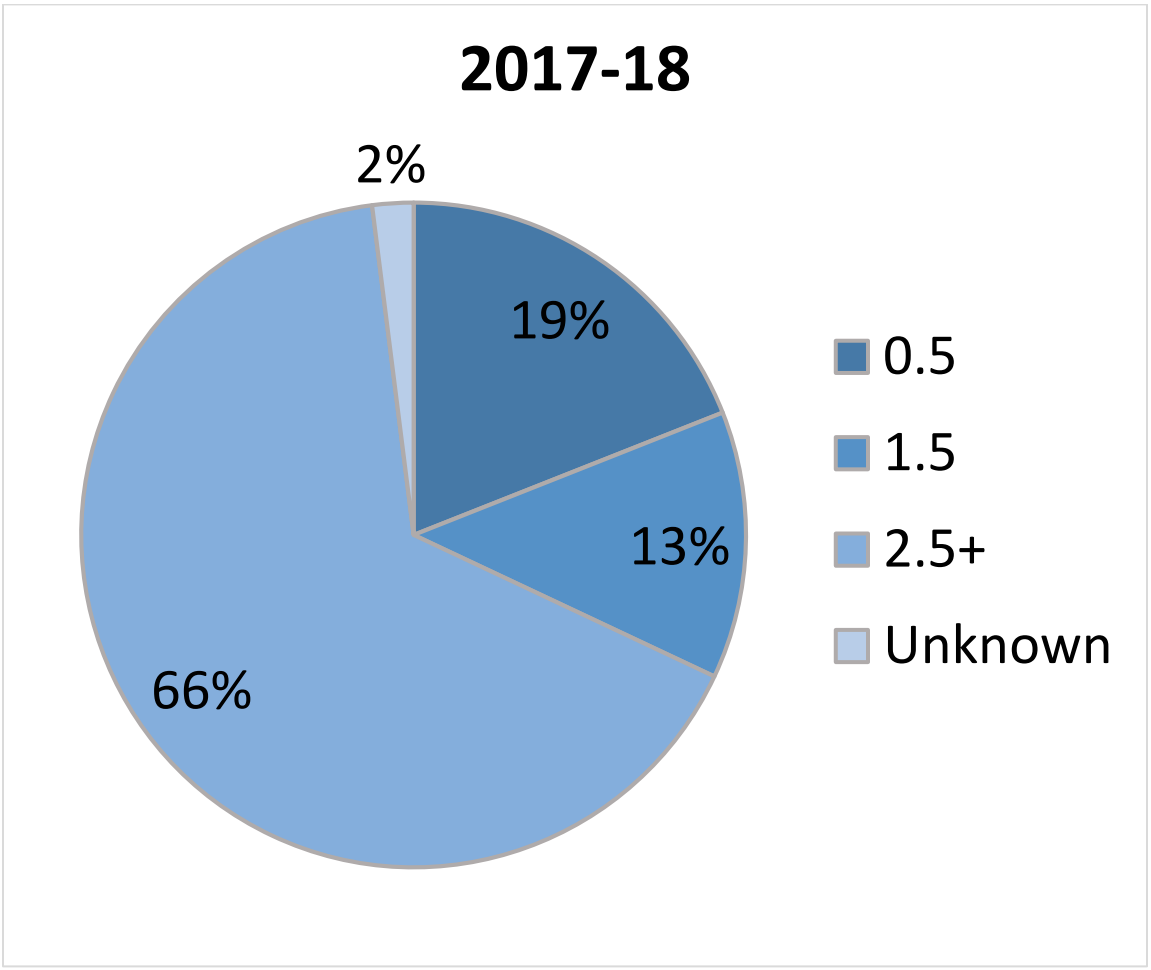


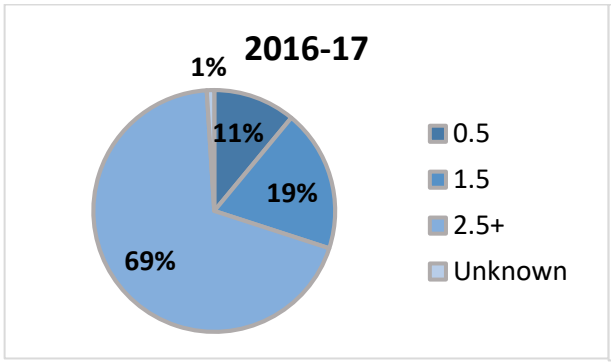




Historical Data Comparison

Chart 3: Doe Harvest Age Structure





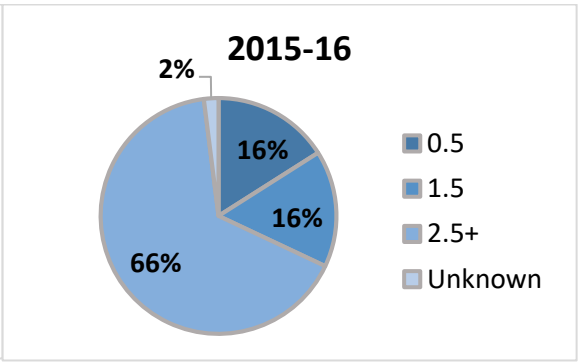
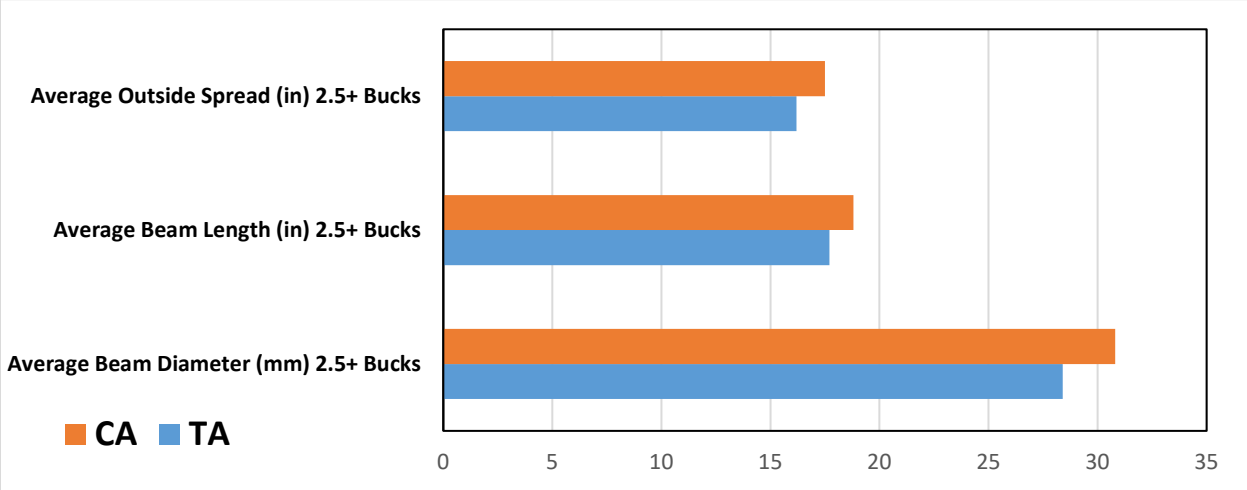
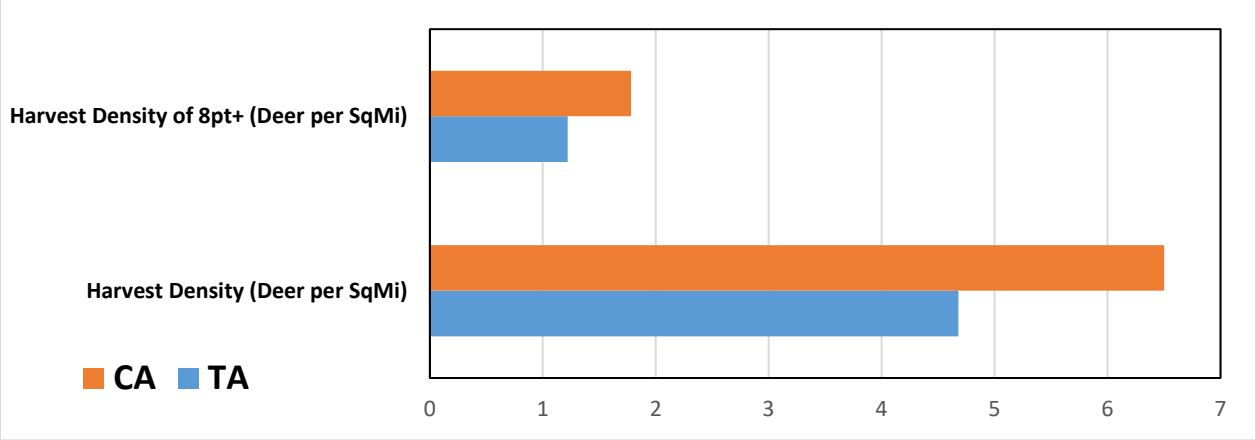


Chart 4: Training Area and Controlled Access Area Comparison





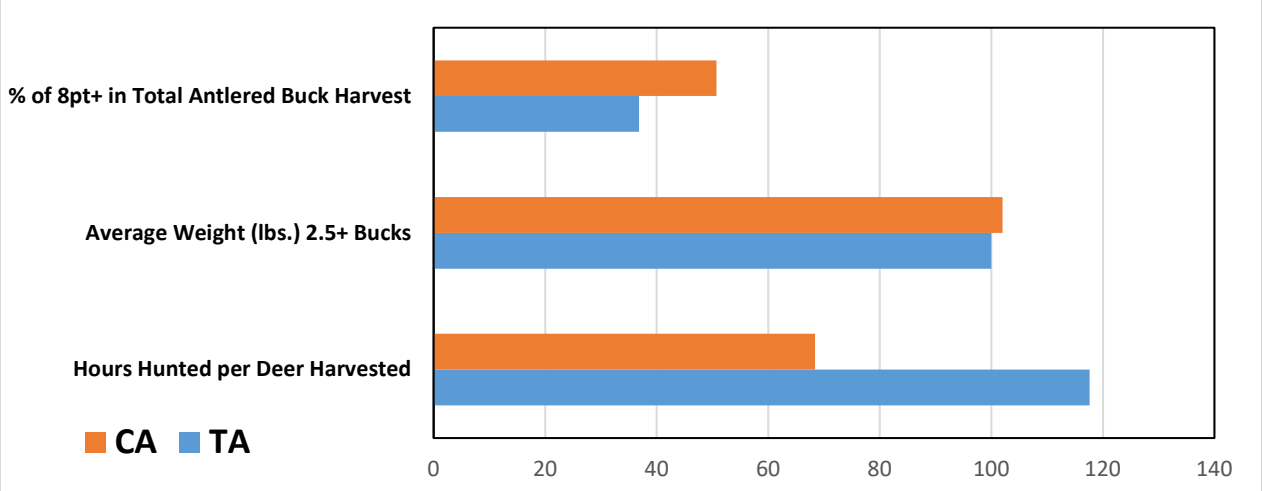


Chart 5: Historical Buck to Doe Harvest Ratios

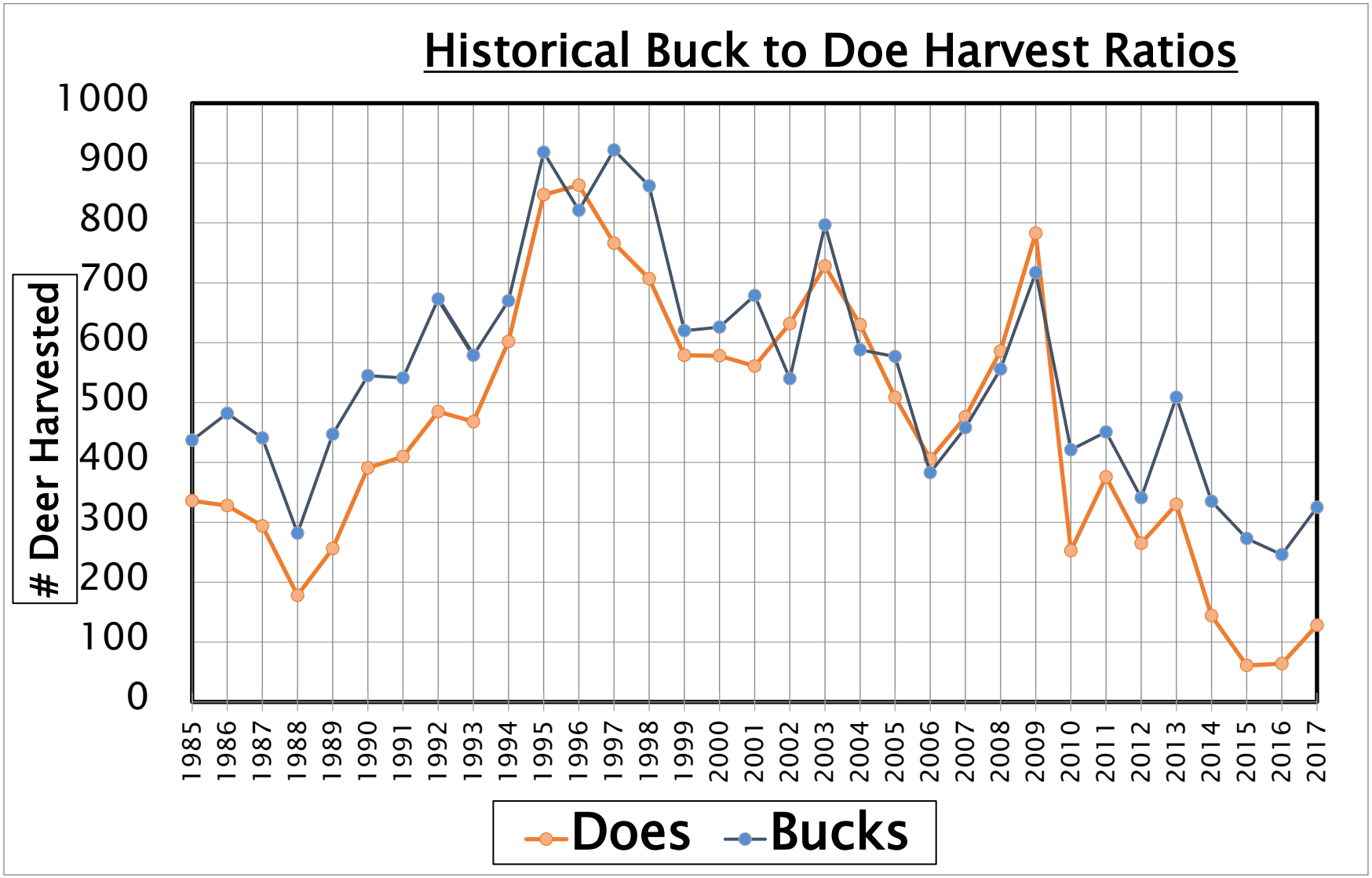
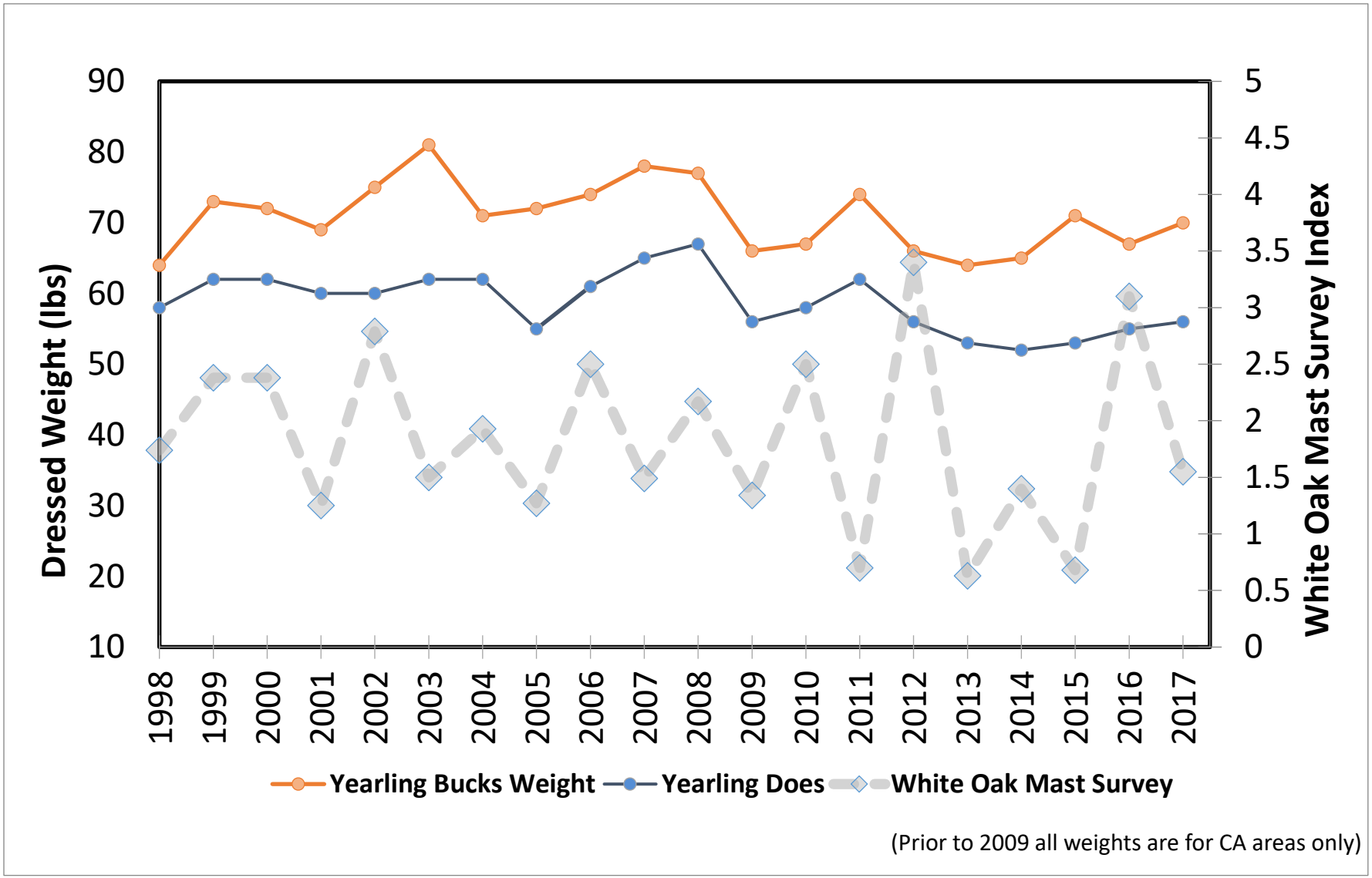


Chart 6: Yearling Weights and White Oak Mast Survey



(Prior to 2009 all weights are for CA areas only)

Table 10: Reproductive Statistics Comparison

	2017-2018	2016-2017	2015-2016
Fawn to Doe Ratio: # of fawns per bearing age (2.5+ yr old) doe harvested	**0.50**	**0.43**	**0.58**
% Fawns in antlerless harvest	**27.5%**	**24.7%**	**29.9%**
% Fawns in the total deer harvest	**9.3%**	**6.1%**	**6.9%**
Lactation Rate: for 2.5 yr olds	**61.5%**	**0.0%**	**66.7%**
Lactation Rate: for 3.5+ yr olds	**61.1%**	**27.3%**	**54.5%**

Chart 7: Comparison Hunting Trips