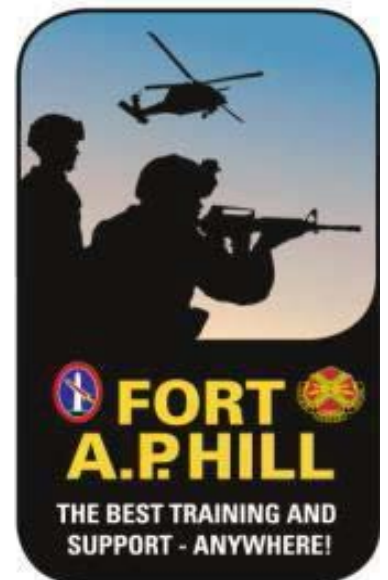


# FORT A.P. HILL DEER HARVEST REPORT 2016-2017



U.S. Army Garrison Fort A.P. Hill  
Directorate of Public Works  
Environmental and Natural  
Resources Division Fisheries &  
Wildlife Branch  
Date: February 2017



## Fort A.P. Hill 2016-17 Deer Harvest Report

The 2016-17 deer season harvest at Fort A.P. Hill (FAPH) was 310. That is down twenty-four deer from the 2015-16 season's 334 despite an increase in either-sex hunting days. There were 246 bucks harvested and 64 does. Hunters made 8561 hunting trips this season compared to 8558 last year and totaled 52,461 hours of hunting. It took an average 27.6 trips per deer harvested or 169.23 hours. These numbers are up from 2015-16's 25.6 hunt trips per deer or 151.44 hours hunted per deer harvested.

This past fall's oak mast crop was very heavy and as a result our herd had plenty nutritious acorns to eat through the season. Last year's acorn production was rather poor and as expected this was evident in slight reductions in overall antler production in older bucks. Next season's antler production and weights should reflect this fall's prolific acorn production.

FAPH's deer herd suffered again from an outbreak of Epizootic Hemorrhagic Disease (EHD) in 2016. This is the third outbreak of the disease in six years. The rapid succession of these outbreaks is unprecedented in the recorded history of white-tailed deer in Virginia. EHD typically cycles occurrences every 6 – 10 years and often longer. It is unknown why the disease is reoccurring in Virginia's herds at such a rapid interval. Despite continually reducing the number of either sex days during the hunting seasons since 2010 the deer population numbers have continued to decrease. Fawn recruitment into the herd has not been sufficient to offset the loss from EHD deaths and coyote predation in addition to the various other reasons of deer mortality.

Coyote sign, sightings, and harvest continued to increase. While the impacts of coyotes on deer populations is well documented, coyotes alone cannot be blamed for FAPH's deer population decline. Adding coyote predation to a recuperating herd is slowing the population recovery. Coyote populations are almost impossible to control except under the most intense management conditions. Coyotes being a new predator on the landscape is a factor that biologist must now manage as a loss of the deer population.

Managing deer populations in an era of change is a formidable but exciting challenge for biologists. Disease and predators impacts will be taken into account when hunting regulations are proposed. Unfortunately, achieving population numbers that approach our goals becomes tougher with each EHD outbreak.

The last section of this deer report are populations models from Matt Knox, Deer Project Coordinator of VDGIF. These models compare FAPH, Quantico and Fort Pickett. The comparisons of the Installations are very interesting.

**Table 1: Harvest Totals and Percentage by Area and Sex**

	Harvest		% of Total Harvest
<b>Males</b>	<b>246</b>		<b>79.4%</b>
TA	184	74.8%	59.4%
CA	62	25.2%	20.0%
<b>Females</b>	<b>64</b>		<b>20.6%</b>
TA	34	53.1%	11.0%
CA	30	46.9%	9.6%
<b>Total Harvest</b>	<b>310</b>		<b>100.0%</b>
TA	218		70.4%
CA	92		29.6%

**Table 2a: Age Distribution**

Age Class	Male		Female		Total	
	NO.	(%)	NO.	(%)	NO.	(%)
<b>0.5 year-olds (Fawns)</b>	12	4.9	7	10.9	19	6.1
<b>1.5 year-olds (Yearlings)</b>	56	22.8	12	18.8	68	21.9
<b>2.5 year-olds</b>	62	25.2	8	12.5	70	22.6
<b>3.5 year-olds</b>	54	22.0	12	18.8	66	21.3
<b>4.5 year-olds</b>	30	12.2	7	10.9	37	11.9
<b>5.5 year-olds</b>	24	9.8	11	17.2	35	11.3
<b>6.5 year-olds</b>	7	2.8	4	6.3	11	3.5
<b>7.5 year-olds</b>	0	0.0	2	3.1	2	0.6
<b>8.5 year-olds +</b>	0	0.0	0	0.0	0	0.0
<b>Unknown</b>	1	0.4	1	1.6	2	0.6
<b>Totals</b>	<b>246</b>		<b>64</b>		<b>310</b>	

**Table 2b: Age Distribution Historical Comparison**

Age Class	Male			Female			Total		
	2016-17	2015-16	2014-15	2016-17	2015-16	2014-15	2016-17	2015-16	2014-15
<b>0.5 year-olds (Fawns)</b>	4.9%	4.8%	7.8%	10.9%	16.4%	10.4%	6.1%	6.9%	8.6%
<b>1.5 year-olds (Yearlings)</b>	22.8%	12.5%	9.9%	18.8%	16.4%	11.1%	21.9%	13.2%	10.2%
<b>2.5 year-olds</b>	25.2%	25.3%	40.6%	12.5%	26.2%	33.3%	22.6%	25.4%	38.4%
<b>3.5 year-olds</b>	22.0%	36.3%	23.9%	18.8%	18.0%	15.3%	21.3%	32.9%	21.3%
<b>4.5 year-olds</b>	12.2%	10.6%	9.9%	10.9%	11.5%	9.7%	11.9%	10.8%	9.8%
<b>5.5 year-olds</b>	9.8%	7.7%	4.8%	17.2%	6.6%	12.5%	11.3%	7.5%	7.1%
<b>6.5 year-olds</b>	2.8%	1.8%	2.7%	6.3%	3.3%	4.2%	3.5%	2.1%	3.1%
<b>7.5 year-olds</b>	0.0%	0.0%	0.6%	3.1%	0.0%	1.4%	0.6%	0.0%	0.8%
<b>8.5 year-olds +</b>	0.0%	0.0%	0.0%	0.0%	0.0%	0.7%	0.0%	0.0%	0.2%
<b>Unknown</b>	0.4%	1.1%	0.0%	1.6%	1.6%	1.4%	0.6%	1.2%	0.4%

**Table 2c: Age Distribution Historical Comparison**

Year	Bucks - Age %			Does - Age %		
	0.5	1.5	2.5+	0.5	1.5	2.5+
<b>2014</b>	8%	10%	82%	10%	11%	79%
<b>2015</b>	5%	12%	82%	16%	16%	66%
<b>2016</b>	5%	23%	72%	11%	19%	80%

**Table 3: Statistics for Females**

Age Class	Dressed Weight		Lactation Rates (October)	
	Avg.	No.	Percent	No.
<b>0.5 year-olds (Fawns)</b>	33.9	7	--	--
<b>1.5 year-olds (Yearlings)</b>	55.1	12	--	--
<b>2.5 year-olds</b>	66.6	8	--	--
<b>3.5 year-olds +</b>	71.8	36	27.3%	3

**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.
<b>0.5 year- olds (Fawns)</b>	4.9%	38.3	12	-	-	-	-	-	-	-	-
<b>1.5 year-olds (Yearlings)</b>	22.8%	67.4	56	2.5	56	14.7	56	6.8	55	7.0	56
<b>2.5 year-olds</b>	25.2%	86.0	62	5.7	61	22.0	61	13.0	61	14.3	61
<b>3.5 year-olds +</b>	46.7%	103.9	115	7.3	115	30.1	115	17.1	115	20.4	115

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

# of Points	Total		TA		CA	
	#	D	#	D	#	D
<b>BB</b>	12	0.13	8	0.12	4	0.20
<b>1</b>	0	0.00	0	0.00	0	0.00
<b>2</b>	43	0.48	43	0.62	0	0.00
<b>3</b>	12	0.13	12	0.17	0	0.00
<b>4</b>	17	0.19	17	0.24	0	0.00
<b>5</b>	24	0.27	19	0.27	5	0.25
<b>6</b>	33	0.37	25	0.36	8	0.41
<b>7</b>	32	0.36	18	0.26	14	0.71
<b>8</b>	54	0.61	33	0.48	21	1.07
<b>9</b>	14	0.16	6	0.09	8	0.41
<b>10</b>	4	0.04	2	0.03	2	0.10
<b>11</b>	0	0.00	0	0.00	0	0.00
<b>12</b>	0	0.00	0	0.00	0	0.00
<b>13</b>	0	0.00	0	0.00	0	0.00
<b>SHED</b>	1	0.01	1	0.01	0	0.00

**D = Density (# deer harvested per square mile)**

**Table 6: Antler Measurements**

<b>2016-2017</b>			
	<b>Total</b>	<b>TA</b>	<b>CA</b>
<b># Antlered</b>	233	175	58
<b># 8pt +</b>	72	41	31
<b>% 8pt +</b>	30.9%	23.4%	53.4%
<b>Harvest Density (8pt+ per SQ Mi)</b>	0.81	0.59	1.57
<b>% 1.5 w/ Spikes</b>	71.4%	72.7%	0.0%
<b>Avg 1.5 Beam Diameter (mm)</b>	14.7	14.6	17.0
<b>Avg 2.5+ Beam Diameter (mm)</b>	27.3	26.4	29.1
<b>Avg 1.5 Beam Length (in)</b>	7.0	7.0	10.3
<b>Avg 2.5+ Beam Length (in)</b>	18.3	18.1	18.7
<b>Avg 1.5 Outside Spread (in)</b>	6.8	6.8	9.3
<b>Avg 2.5+ Outside Spread (in)</b>	15.7	15.0	17.1

<b>2015-2016</b>			
	<b>Total</b>	<b>TA</b>	<b>CA</b>
<b># Antlered</b>	257	173	84
<b># 8pt +</b>	93	46	47
<b>% 8pt +</b>	36.2%	26.6%	56.0%
<b>Harvest Density (8pt+ per SQ Mi)</b>	1.05	0.66	2.39
<b>% 1.5 w/ Spikes</b>	67.6%	71.9%	0.0%
<b>Avg 1.5 Beam Diameter (mm)</b>	15.4	15.3	17.0
<b>Avg 2.5+ Beam Diameter (mm)</b>	27.6	26.7	29.1
<b>Avg 1.5 Beam Length (in)</b>	7.2	7.0	10.4
<b>Avg 2.5+ Beam Length (in)</b>	17.4	16.6	18.7
<b>Avg 1.5 Outside Spread (in)</b>	7.1	7.0	8.0
<b>Avg 2.5+ Outside Spread (in)</b>	16.0	15.3	17.3

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	4	3	0	-	1	70.0	2	90.5	0	-	1	0	-	0	-	1	71.0	0	-
2	5	4	0	-	3	68.0	1	91.0	0	-	1	0	-	0	-	1	60.0	0	-
3	4	3	0	-	1	73.0	2	92.0	0	-	1	0	-	0	-	1	66.0	0	-
4	1	1	0	-	1	88.0	0	-	0	-	0	0	-	0	-	0	-	0	-
5	13	11	1	25.0	2	54.5	8	94.0	0	-	2	0	-	0	-	2	62.5	0	-
6	9	8	0	-	3	76.0	5	82.6	0	-	1	0	-	0	-	1	78.0	0	-
7	17	14	0	-	8	67.5	6	106.7	0	-	3	1	26.0	0	-	2	72.5	0	-
8	5	4	0	-	0	-	4	92.0	0	-	1	0	-	0	-	1	69.0	0	-
9	5	4	1	41.0	1	65.0	2	77.0	0	-	1	0	-	0	-	1	72.0	0	-
10	7	7	0	-	1	81.0	6	109.3	0	-	0	0	-	0	-	0	-	0	-
11	7	6	0	-	3	51.7	3	115.7	0	-	1	0	-	0	-	1	75.0	0	-
12	6	6	0	-	2	74.0	4	109.5	0	-	0	0	-	0	-	0	-	0	-
13	7	5	0	-	2	57.5	3	99.3	0	-	2	0	-	0	-	2	67.0	0	-
14	2	1	0	-	0	-	1	111.0	0	-	1	0	-	0	-	1	73.0	0	-
15	5	5	1	43.0	0	-	4	92.3	0	-	0	0	-	0	-	0	-	0	-
16	3	3	0	-	0	-	3	99.7	0	-	0	0	-	0	-	0	-	0	-
17	3	3	0	-	0	-	3	106.0	0	-	0	0	-	0	-	0	-	0	-
18	12	10	0	-	3	63.3	7	94.9	0	-	2	0	-	0	-	2	67.5	0	-
19	3	2	0	-	1	71.0	1	136.0	0	-	1	0	-	1	36.0	0	-	0	-
20	9	8	0	-	3	67.3	5	92.4	0	-	1	0	-	0	-	1	70.0	0	-
21	15	12	0	-	6	69.5	6	93.7	0	-	3	1	40.0	0	-	2	75.0	0	-
22	19	16	2	42.0	3	66.3	10	87.7	1	76.0	3	0	-	2	50.0	1	72.0	0	-
23	7	7	0	-	2	65.0	5	93.4	0	-	0	0	-	0	-	0	-	0	-
24	5	2	1	41.0	1	77.0	0	-	0	-	3	1	39.0	1	51.0	1	61.0	0	-
25	22	17	1	38.0	5	66.6	11	89.5	0	-	5	0	-	0	-	5	69.4	0	-
26	1	1	0	-	0	-	1	90.0	0	-	0	0	-	0	-	0	-	0	-
28	12	11	0	-	1	68.0	10	91.1	0	-	1	0	-	1	51.0	0	-	0	-
30	9	9	1	39.0	2	72.0	6	107.5	0	-	0	0	-	0	-	0	-	0	-
31	1	1	0	-	0	-	1	97.0	0	-	0	0	-	0	-	0	-	0	-
<b>TA Total</b>	<b>218</b>	<b>184</b>	<b>8</b>	<b>38.9</b>	<b>55</b>	<b>67.4</b>	<b>120</b>	<b>96.0</b>	<b>1</b>	<b>76.0</b>	<b>34</b>	<b>3</b>	<b>35.0</b>	<b>5</b>	<b>47.6</b>	<b>26</b>	<b>69.3</b>	<b>0</b>	<b>NA</b>
<b>TOTAL</b>	<b>310</b>	<b>246</b>	<b>12</b>	<b>38.3</b>	<b>56</b>	<b>67.4</b>	<b>177</b>	<b>97.6</b>	<b>1</b>	<b>76.0</b>	<b>64</b>	<b>7</b>	<b>33.9</b>	<b>12</b>	<b>55.1</b>	<b>44</b>	<b>70.8</b>	<b>1</b>	<b>NA</b>

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	9	5	0	-	0	-	5	98.0	0	-	4	0	-	1	77.0	3	75.3	0	-
CA2	3	1	0	-	0	-	1	91.0	0	-	2	1	28.0	1	57.0	0	-	0	-
CA3	0	0	0	-	0	-	0	-	0	-	0	0	-	0	-	0	-	0	-
CA4	5	5	1	27.0	0	-	4	98.5	0	-	0	0	-	0	-	0	-	0	-
CA5	3	3	1	53.0	0	-	2	108.5	0	-	0	0	-	0	-	0	-	0	-
CA6	2	2	0	-	0	-	2	125.0	0	-	0	0	-	0	-	0	-	0	-
CA7	1	1	0	-	0	-	1	108.0	0	-	0	0	-	0	-	0	-	0	-
CA8	0	0	0	-	0	-	0	-	0	-	0	0	-	0	-	0	-	0	-
CA9	1	0	0	-	0	-	0	-	0	-	1	0	-	0	-	1	64.0	0	-
CA10A	4	0	0	-	0	-	0	-	0	-	4	0	-	1	65.0	3	75.0	0	-
CA10B	2	1	0	-	0	-	1	108.0	0	-	1	0	-	0	-	1	85.0	0	-
CA11A	1	0	0	-	0	-	0	-	0	-	1	0	-	0	-	1	65.0	0	-
CA11B	1	1	0	-	0	-	1	82.0	0	-	0	0	-	0	-	0	-	0	-
CA12	3	2	0	-	0	-	2	119.0	0	-	1	1	43.0	0	-	0	-	0	-
CA13	2	2	0	-	0	-	2	87.5	0	-	0	0	-	0	-	0	-	0	-
CA14A	6	5	0	-	0	-	5	97.4	0	-	1	0	-	1	59.0	0	-	0	-
CA14B	6	5	0	-	1	68.0	4	110.5	0	-	1	0	-	0	-	1	75.0	0	-
CA15	3	2	1	34.0	0	-	1	121.0	0	-	1	0	-	0	-	1	74.0	0	-
CA16	8	4	0	-	0	-	4	82.3	0	-	4	0	-	1	58.0	2	65.5	1	85
CA17	5	3	0	-	0	-	3	96.7	0	-	2	1	27.0	0	-	1	78.0	0	-
CA18	5	4	1	34.0	0	-	3	108.0	0	-	1	0	-	0	-	1	98.0	0	-
CA19A	3	3	0	-	0	-	3	115.0	0	-	0	0	-	0	-	0	-	0	-
CA19B	2	1	0	-	0	-	1	102.0	0	-	1	0	-	1	49.0	0	-	0	-
CA20	1	1	0	-	0	-	1	102.0	0	-	0	0	-	0	-	0	-	0	-
CA21	3	2	0	-	0	-	2	106.5	0	-	1	0	-	0	-	1	60.0	0	-
CA22	5	2	0	-	0	-	2	99.0	0	-	3	0	-	1	58.0	2	66.0	0	-
CA23	1	0	0	-	0	-	0	-	0	-	1	1	34.0	0	-	0	-	0	-
CA24	1	1	0	-	0	-	1	93.0	0	-	0	0	-	0	-	0	-	0	-
CA25	3	3	0	-	0	-	3	104.0	0	-	0	0	-	0	-	0	-	0	-
CA26	1	1	0	-	0	-	1	83.0	0	-	0	0	-	0	-	0	-	0	-
CA27	2	2	0	-	0	-	2	85.5	0	-	0	0	-	0	-	0	-	0	-
CA Total	92	62	4	37.0	1	68.0	57	101.1	0	NA	30	4	33.0	7	60.4	18	72.9	1	85
TOTAL	310	246	12	38.3	56	67.4	177	97.6	1	76	64	7	33.9	12	55.1	44	70.8	1	85



Table 8a: TA Harvest Density (D) per Huntible 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	4	2.24	0	-	1	0.56	2	1.12	0	-	0	-	0	-	1	0.56	0	-
2	0.875	5	5.71	0	-	3	3.43	1	1.14	0	-	0	-	0	-	1	1.14	0	-
3	1.318	4	3.04	0	-	1	0.76	2	1.52	0	-	0	-	0	-	1	0.76	0	-
4	0.351	1	2.85	0	-	1	2.85	0	-	0	-	0	-	0	-	0	-	0	-
5	2.864	13	4.54	1	0.35	2	0.70	8	2.79	0	-	0	-	0	-	2	0.70	0	-
6	3.714	9	2.42	0	-	3	0.81	5	1.35	0	-	0	-	0	-	1	0.27	0	-
7	3.563	17	4.77	0	-	8	2.25	6	1.68	0	-	1	0.28	0	-	2	0.56	0	-
8	2.197	5	2.28	0	-	0	-	4	1.82	0	-	0	-	0	-	1	0.46	0	-
9	2.253	5	2.22	1	0.44	1	0.44	2	0.89	0	-	0	-	0	-	1	0.44	0	-
10	2.170	7	3.23	0	-	1	0.46	6	2.77	0	-	0	-	0	-	0	-	0	-
11	1.524	7	4.59	0	-	3	1.97	3	1.97	0	-	0	-	0	-	1	0.66	0	-
12	3.349	6	1.79	0	-	2	0.60	4	1.19	0	-	0	-	0	-	0	-	0	-
13	2.005	7	3.49	0	-	2	1.00	3	1.50	0	-	0	-	0	-	2	1.00	0	-
14	1.563	2	1.28	0	-	0	-	1	0.64	0	-	0	-	0	-	1	0.64	0	-
15	2.495	5	2.00	1	0.40	0	-	4	1.60	0	-	0	-	0	-	0	-	0	-
16	2.069	3	1.45	0	-	0	-	3	1.45	0	-	0	-	0	-	0	-	0	-
17	1.225	3	2.45	0	-	0	-	3	2.45	0	-	0	-	0	-	0	-	0	-
18	2.958	12	4.06	0	-	3	1.01	7	2.37	0	-	0	-	0	-	2	0.68	0	-
19	3.161	3	0.95	0	-	1	0.32	1	0.32	0	-	0	-	1	0.32	0	-	0	-
20	4.533	9	1.99	0	-	3	0.66	5	1.10	0	-	0	-	0	-	1	0.22	0	-
21	3.739	15	4.01	0	-	6	1.60	6	1.60	0	-	1	0.27	0	-	2	0.53	0	-
22	3.910	19	4.86	2	0.51	3	0.77	10	2.56	1	0.26	0	-	2	0.51	1	0.26	0	-
23	3.245	7	2.16	0	-	2	0.62	5	1.54	0	-	0	-	0	-	0	-	0	-
24	1.995	5	2.51	1	0.50	1	0.50	0	-	0	-	1	0.50	1	0.50	1	0.50	0	-
25	4.472	22	4.92	1	0.22	5	1.12	11	2.46	0	-	0	-	0	-	5	1.12	0	-
26	2.138	1	0.47	0	-	0	-	1	0.47	0	-	0	-	0	-	0	-	0	-
28	1.820	12	6.03	0	-	1	0.50	10	5.03	0	-	0	-	1	0.50	0	-	0	-
30	1.211	9	7.43	1	0.83	2	1.65	6	4.96	0	-	0	-	0	-	0	-	0	-
31	0.752	1	1.33	0	-	0	-	1	1.33	0	-	0	-	0	-	0	-	0	-
<b>TA Total</b>	<b>69.254</b>	<b>218</b>	<b>3.14</b>	<b>8</b>	<b>0.12</b>	<b>55</b>	<b>0.79</b>	<b>120</b>	<b>1.73</b>	<b>1</b>	<b>0.01</b>	<b>3</b>	<b>0.04</b>	<b>5</b>	<b>0.07</b>	<b>26</b>	<b>0.37</b>	<b>0</b>	<b>-</b>
<b>TOTAL</b>	<b>88.960</b>	<b>310</b>	<b>3.48</b>	<b>12</b>	<b>0.13</b>	<b>56</b>	<b>0.63</b>	<b>177</b>	<b>1.99</b>	<b>1</b>	<b>0.01</b>	<b>7</b>	<b>0.08</b>	<b>12</b>	<b>0.13</b>	<b>44</b>	<b>0.49</b>	<b>1</b>	<b>0.01</b>

Table 8b: CA Harvest Density (D) per Hunttable 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	9	6.87	0	-	0	-	5	3.82	0	-	0	-	1	0.76	3	2.29	0	-
CA2	0.487	3	6.16	0	-	0	-	1	2.05	0	-	1	2.05	1	2.05	0	-	0	-
CA3	0.319	0	0.00	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
CA4	0.669	5	7.48	1	1.50	0	-	4	5.98	0	-	0	-	0	-	0	-	0	-
CA5	0.667	3	4.50	1	1.50	0	-	2	3.00	0	-	0	-	0	-	0	-	0	-
CA6	0.589	2	3.39	0	-	0	-	2	3.39	0	-	0	-	0	-	0	-	0	-
CA7	1.234	1	0.81	0	-	0	-	1	0.81	0	-	0	-	0	-	0	-	0	-
CA8	0.398	0	0.00	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
CA9	0.338	1	2.96	0	-	0	-	0	-	0	-	0	-	0	-	1	2.96	0	-
CA10A	0.655	4	6.11	0	-	0	-	0	-	0	-	0	-	1	1.53	3	4.58	0	-
CA10B	0.593	2	3.37	0	-	0	-	1	1.69	0	-	0	-	0	-	1	1.69	0	-
CA11A	0.368	1	2.72	0	-	0	-	0	-	0	-	0	-	0	-	1	2.72	0	-
CA11B	0.281	1	3.56	0	-	0	-	1	3.56	0	-	0	-	0	-	0	-	0	-
CA12	0.466	3	6.44	0	-	0	-	2	4.30	0	-	1	2.15	0	-	0	-	0	-
CA13	0.523	2	3.82	0	-	0	-	2	3.82	0	-	0	-	0	-	0	-	0	-
CA14A	0.544	6	11.04	0	-	0	-	5	9.20	0	-	0	-	1	1.84	0	-	0	-
CA14B	0.899	6	6.67	0	-	1	1.11	4	4.45	0	-	0	-	0	-	1	1.11	0	-
CA15	0.918	3	3.27	1	1.09	0	-	1	1.09	0	-	0	-	0	-	1	1.09	0	-
CA16	1.613	8	4.96	0	-	0	-	4	2.48	0	-	0	-	1	0.62	2	1.24	1	0.62
CA17	0.881	5	5.67	0	-	0	-	3	3.40	0	-	1	1.13	0	-	1	1.13	0	-
CA18	0.826	5	6.06	1	1.21	0	-	3	3.63	0	-	0	-	0	-	1	1.21	0	-
CA19A	0.738	3	4.07	0	-	0	-	3	4.07	0	-	0	-	0	-	0	-	0	-
CA19B	0.473	2	4.23	0	-	0	-	1	2.11	0	-	0	-	1	2.11	0	-	0	-
CA20	0.695	1	1.44	0	-	0	-	1	1.44	0	-	0	-	0	-	0	-	0	-
CA21	0.993	3	3.02	0	-	0	-	2	2.01	0	-	0	-	0	-	1	1.01	0	-
CA22	0.474	5	10.54	0	-	0	-	2	4.22	0	-	0	-	1	2.11	2	4.22	0	-
CA23	0.411	1	2.43	0	-	0	-	0	-	0	-	1	2.43	0	-	0	-	0	-
CA24	0.323	1	3.09	0	-	0	-	1	3.09	0	-	0	-	0	-	0	-	0	-
CA25	0.484	3	6.20	0	-	0	-	3	6.20	0	-	0	-	0	-	0	-	0	-
CA26	0.294	1	3.40	0	-	0	-	1	3.40	0	-	0	-	0	-	0	-	0	-
CA27	0.243	2	8.23	0	-	0	-	2	8.23	0	-	0	-	0	-	0	-	0	-
<b>CA Total</b>	<b>19.706</b>	<b>92</b>	<b>4.67</b>	<b>4</b>	<b>0.20</b>	<b>1</b>	<b>0.05</b>	<b>57</b>	<b>2.89</b>	<b>0</b>	<b>-</b>	<b>4</b>	<b>0.20</b>	<b>7</b>	<b>0.36</b>	<b>18</b>	<b>0.91</b>	<b>1</b>	<b>0.05</b>
<b>TOTAL</b>	<b>88.960</b>	<b>310</b>	<b>3.48</b>	<b>12</b>	<b>0.13</b>	<b>56</b>	<b>0.63</b>	<b>177</b>	<b>1.99</b>	<b>1</b>	<b>0.01</b>	<b>7</b>	<b>0.08</b>	<b>12</b>	<b>0.13</b>	<b>44</b>	<b>0.49</b>	<b>1</b>	<b>0.01</b>

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

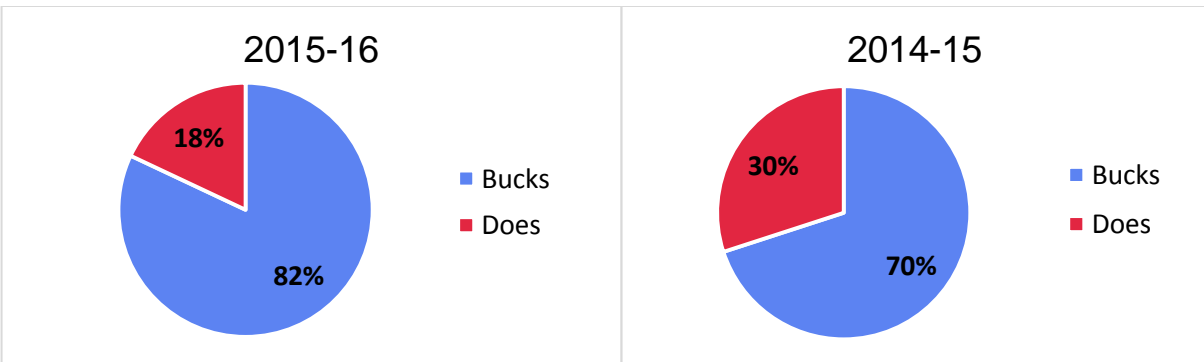
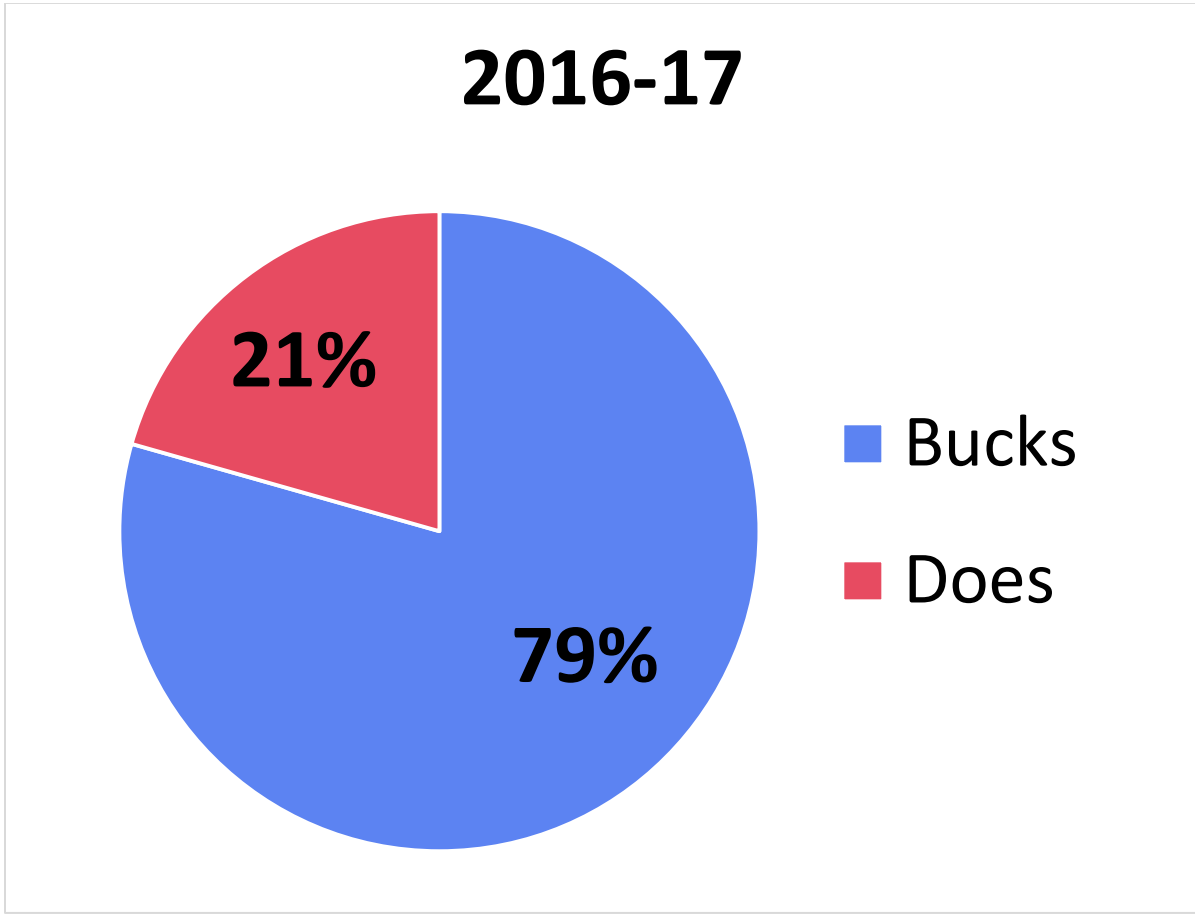
Training Area	# Deer Harvested	# of Hunt Trips	# of Hours Hunted	Hunt Trips per Deer Harvested	Hours per Deer Harvested
1	4	85	488	21.3	122.00
2	5	155	804	31.0	160.80
3	4	214	942	53.5	235.50
4	1	60	468	60.0	468.00
5	13	313	1600	24.1	123.08
6	9	231	1195	25.7	132.78
7	17	452	2465	26.6	145.00
8	5	97	688	19.4	137.60
9	5	219	1173	43.8	234.60
10	7	186	1026	26.6	146.57
11	7	97	506	13.9	72.29
12	6	109	626	18.2	104.33
13	7	96	557	13.7	79.57
14	2	173	766	86.5	383.00
15	5	211	1339	42.2	267.80
16	3	155	874	51.7	291.33
17	3	123	788	41.0	262.67
18	12	351	1860	29.3	155.00
19	3	269	1511	89.7	503.67
20	9	326	1731	36.2	192.33
21	15	271	1460	18.1	97.33
22	19	513	2952	27.0	155.37
23	7	176	904	25.1	129.14
24	5	175	1087	35.0	217.40
25	22	396	2352	18.0	106.91
26	1	70	487	70.0	487.00
28	12	346	2385	28.8	198.75
30	9	138	862	15.3	95.78
31	1	40	189	40.0	189.00
<b>TA Total</b>	<b>218</b>	<b>6047</b>	<b>34085</b>	<b>27.7</b>	<b>156.35</b>
<b>Total</b>	<b>310</b>	<b>8561</b>	<b>52461</b>	<b>27.6</b>	<b>169.23</b>

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	9	162	1238	18.0	137.56
CA2	3	90	623	30.0	207.67
CA3	0	48	392	-	-
CA4	5	94	662	18.8	132.40
CA5	3	99	570	33.0	190.00
CA6	2	100	763	50.0	381.50
CA7	1	28	250	28.0	250.00
CA8	0	7	75	-	-
CA9	1	58	301	58.0	301.00
CA10A	4	51	398	12.8	99.50
CA10B	2	69	479	34.5	239.50
CA11A	1	43	243	43.0	243.00
CA11B	1	50	290	50.0	290.00
CA12	3	92	756	30.7	252.00
CA13	2	85	676	42.5	338.00
CA14A	6	124	953	20.7	158.83
CA14B	6	154	1189	25.7	198.17
CA15	3	153	1080	51.0	360.00
CA16	8	184	1469	23.0	183.63
CA17	5	80	627	16.0	125.40
CA18	5	104	716	20.8	143.20
CA19A	3	90	684	30.0	228.00
CA19B	2	58	350	29.0	175.00
CA20	1	102	758	102.0	758.00
CA21	3	59	447	19.7	149.00
CA22	5	62	364	12.4	72.80
CA23	1	51	369	51.0	369.00
CA24	1	26	171	26.0	171.00
CA25	3	63	545	21.0	181.67
CA26	1	39	234	39.0	234.00
CA27	2	89	704	44.5	352.00
<b>CA Total</b>	<b>92</b>	<b>2514</b>	<b>18376</b>	<b>27.3</b>	<b>199.74</b>
<b>Total</b>	<b>310</b>	<b>8561</b>	<b>52461</b>	<b>27.6</b>	<b>169.23</b>

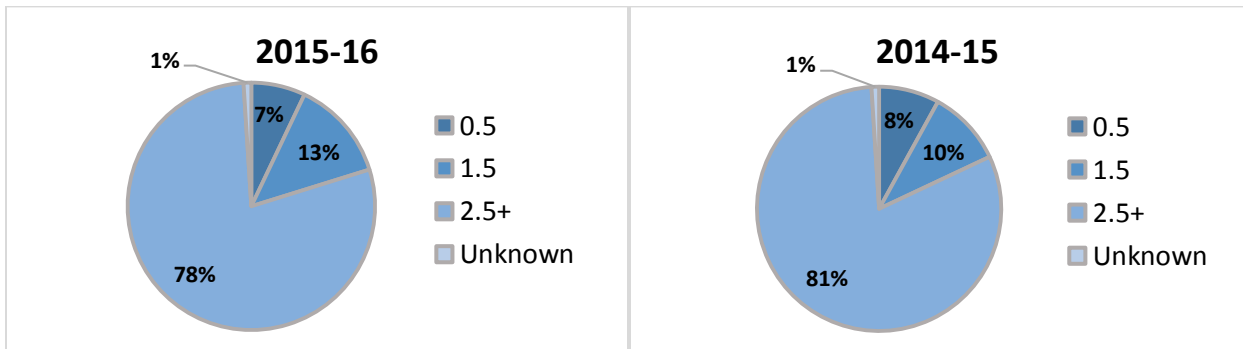
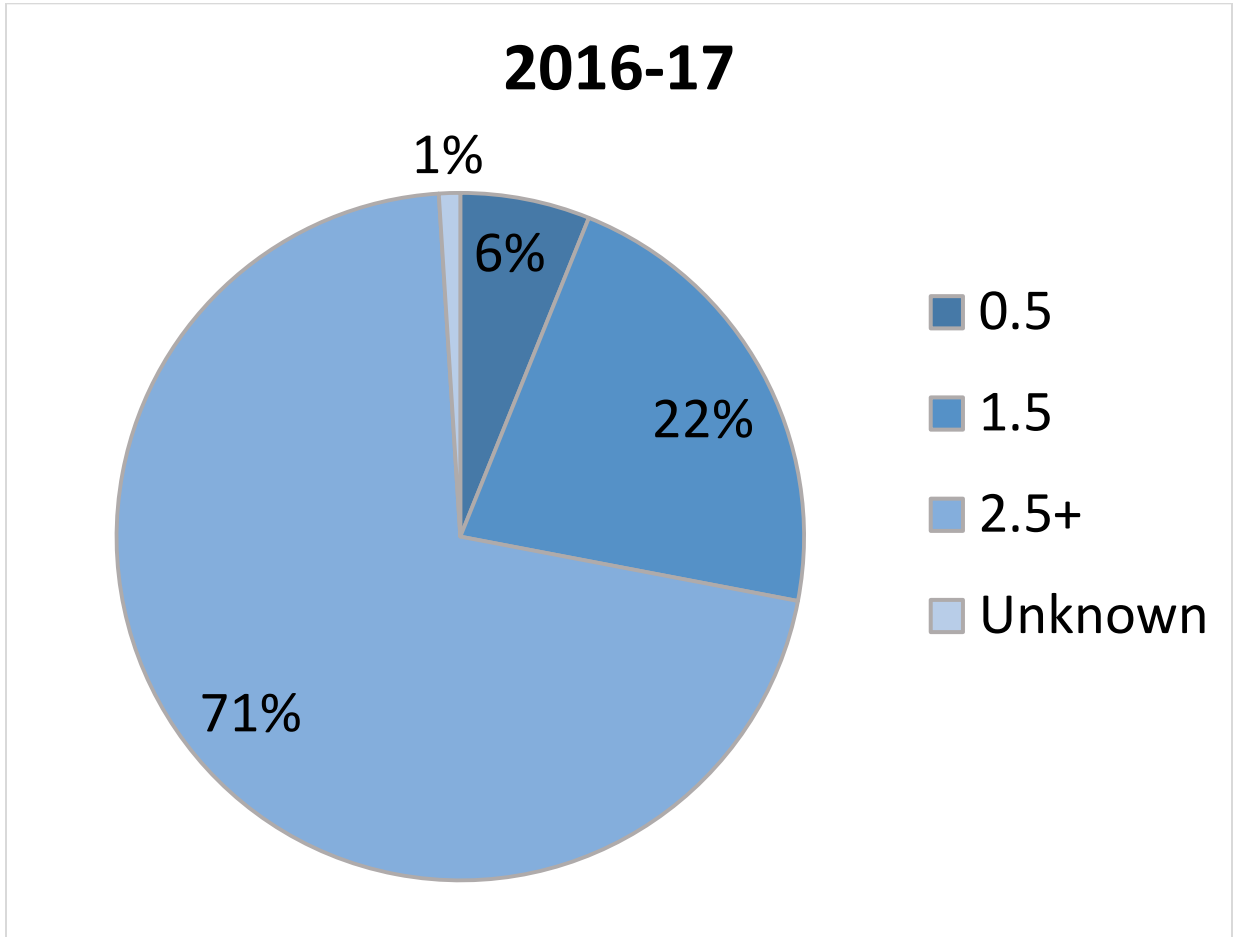
Historical Data Comparison

Chart 1: Harvest Sex Ratio



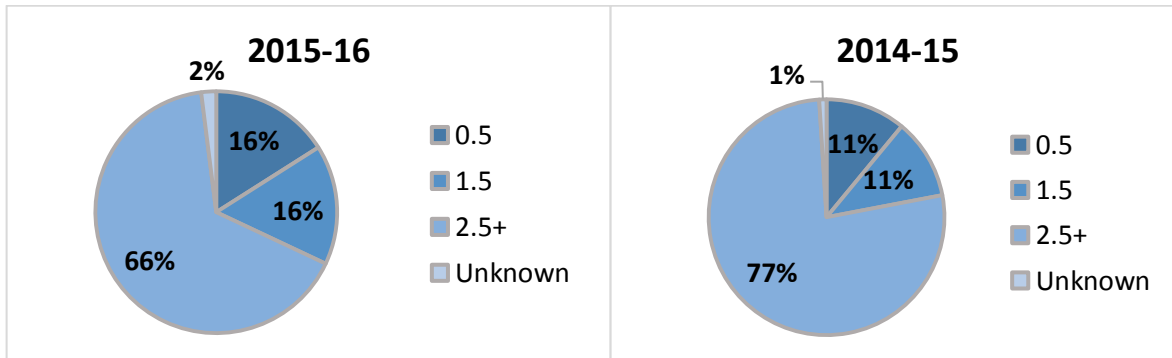
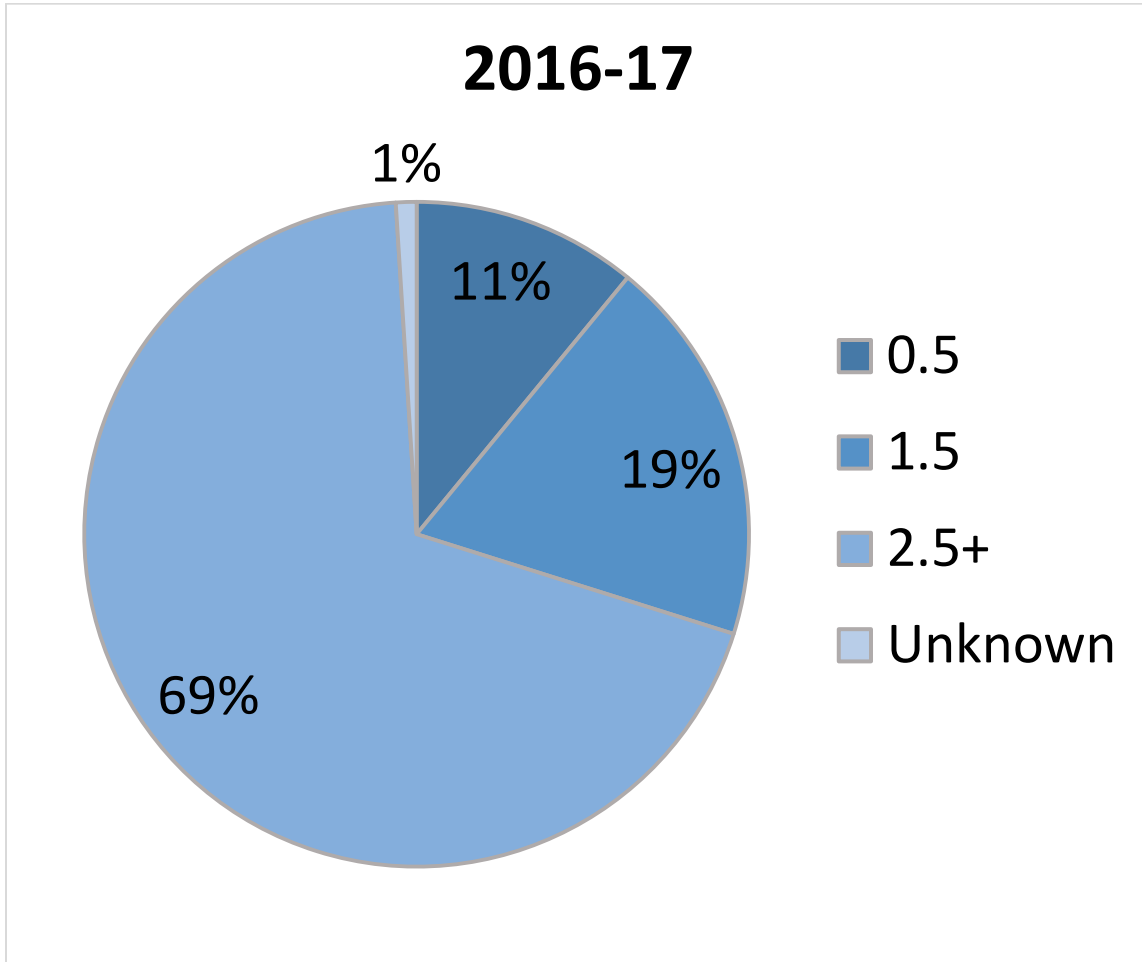
Historical Data Comparison

Chart 2: Harvest Age Structure



**Historical Data Comparison**

**Chart 3: Doe Harvest Age Structure**



**Chart 4: Training Area and Controlled Access Area Comparison**

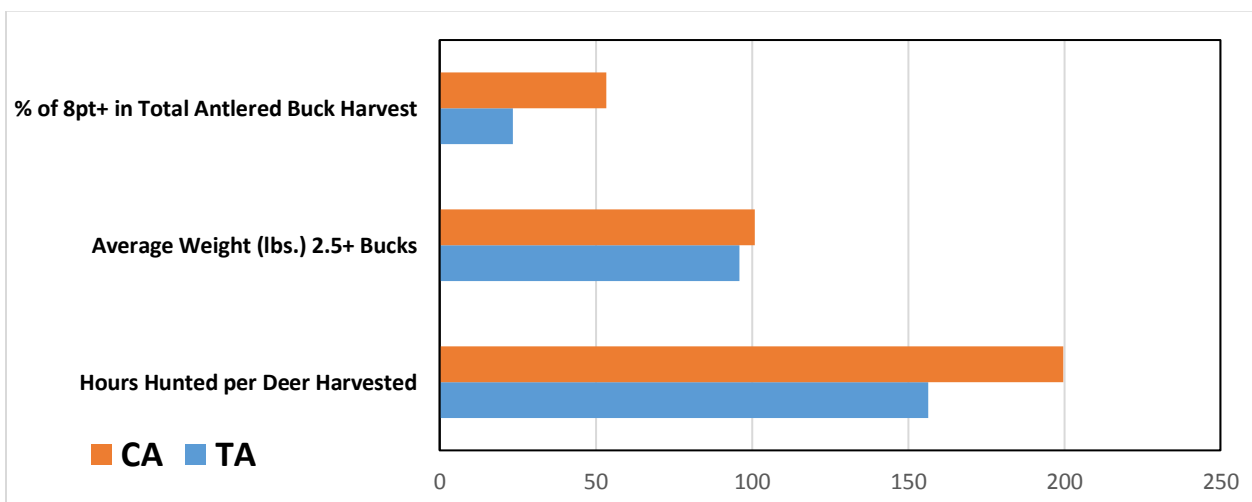
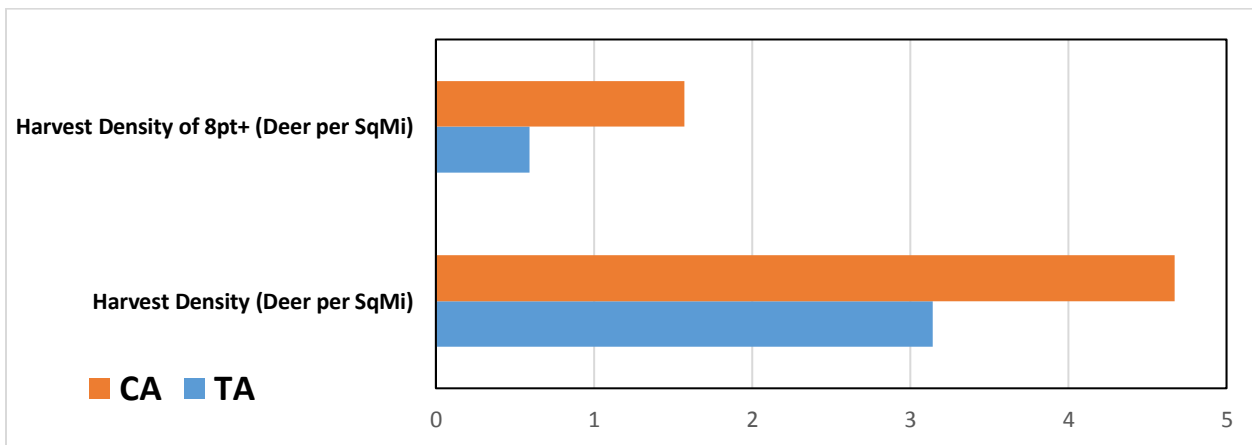
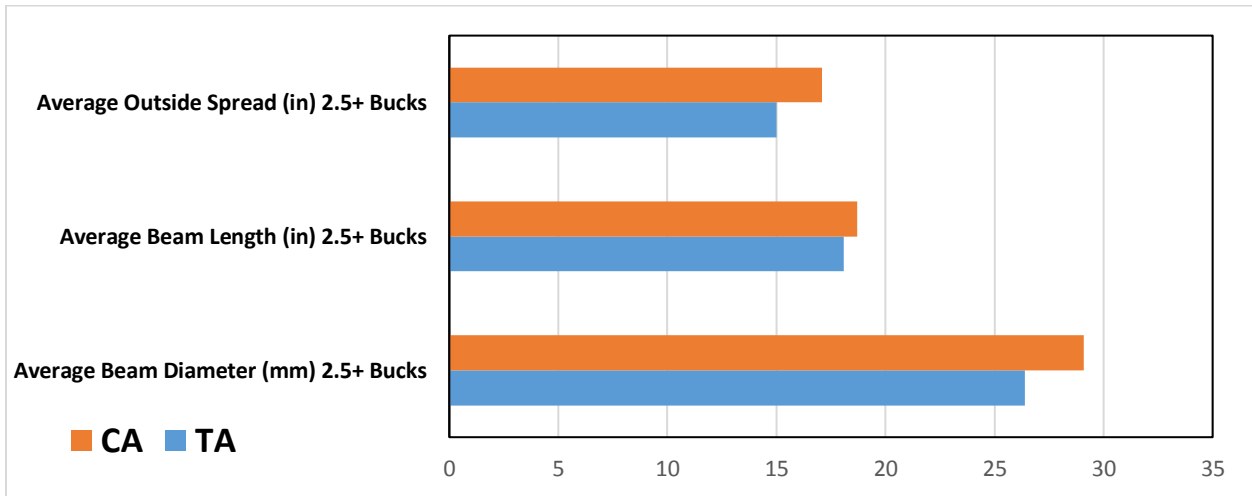




Chart 5: Historical Buck to Doe Harvest Ratios

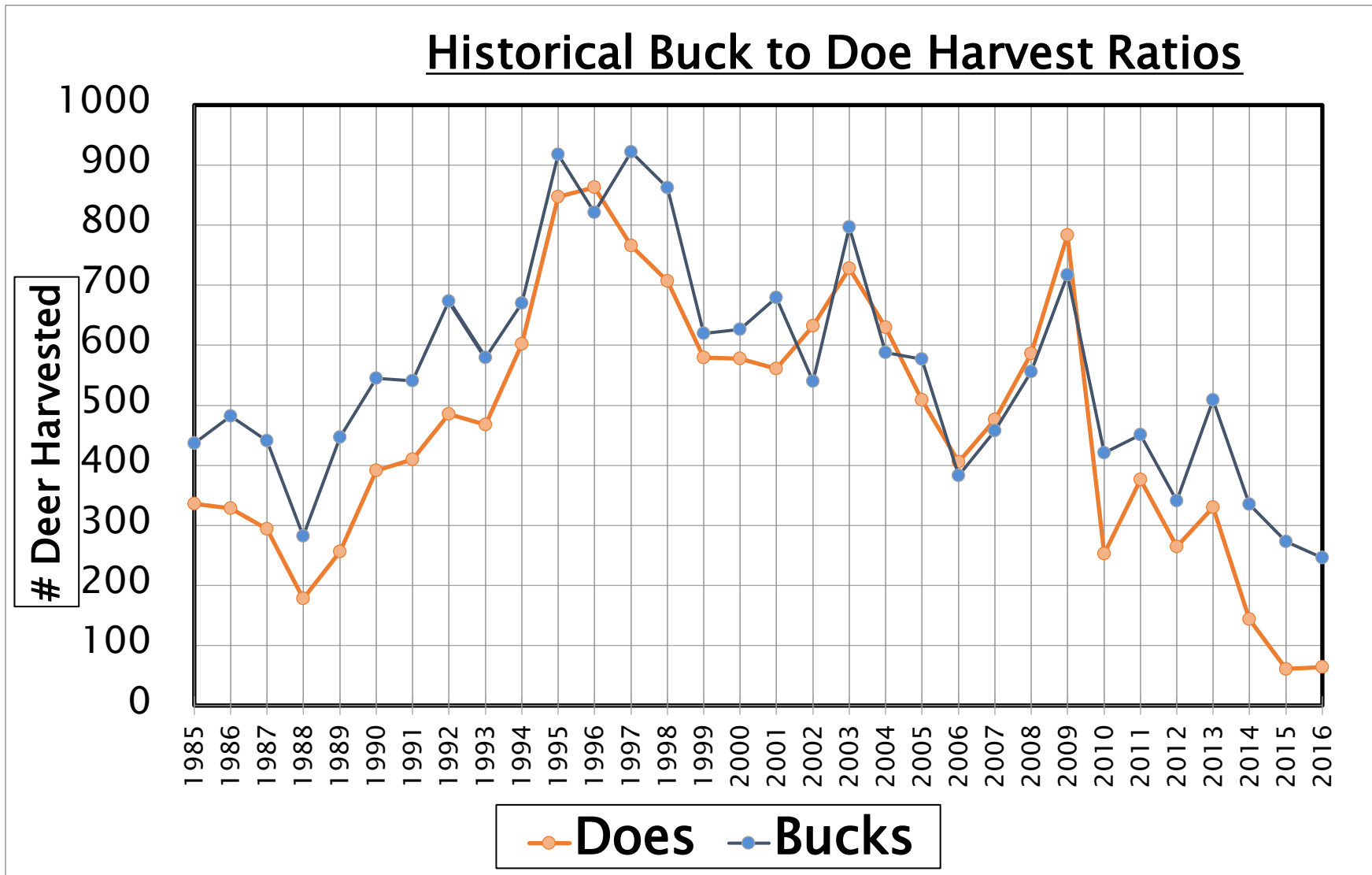
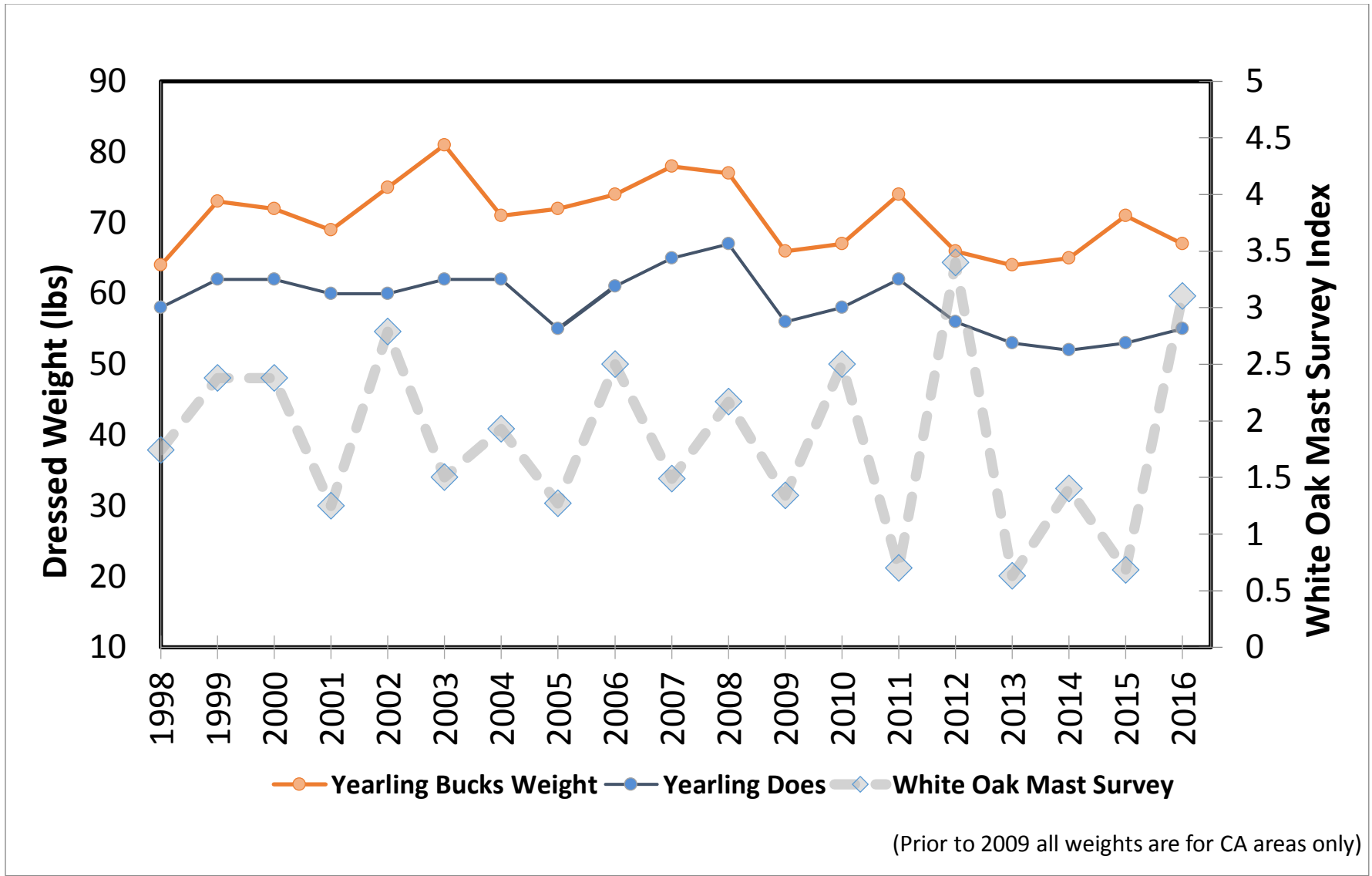


Chart 6: Yearling Weights and White Oak Mast Survey



**Table 10: Reproductive Statistics Comparison**

	2016-2017	2015-2016	2014-2015
<b>Fawn to Doe Ratio:</b> # of fawns per bearing age (2.5+ yr old) doe harvested	<b>0.43</b>	<b>0.58</b>	<b>0.37</b>
<b>% Fawns</b> in antlerless harvest	<b>24.7%</b>	<b>29.9%</b>	<b>23.9%</b>
<b>% Fawns</b> in the total deer harvest	<b>6.1%</b>	<b>6.9%</b>	<b>8.6%</b>
<b>Lactation Rate:</b> for 2.5 yr olds	<b>0.0%</b>	<b>66.7%</b>	<b>45%</b>
<b>Lactation Rate:</b> for 3.5+ yr olds	<b>27.3%</b>	<b>54.5%</b>	<b>50%</b>

**Chart 7: Comparison Hunting Trips**

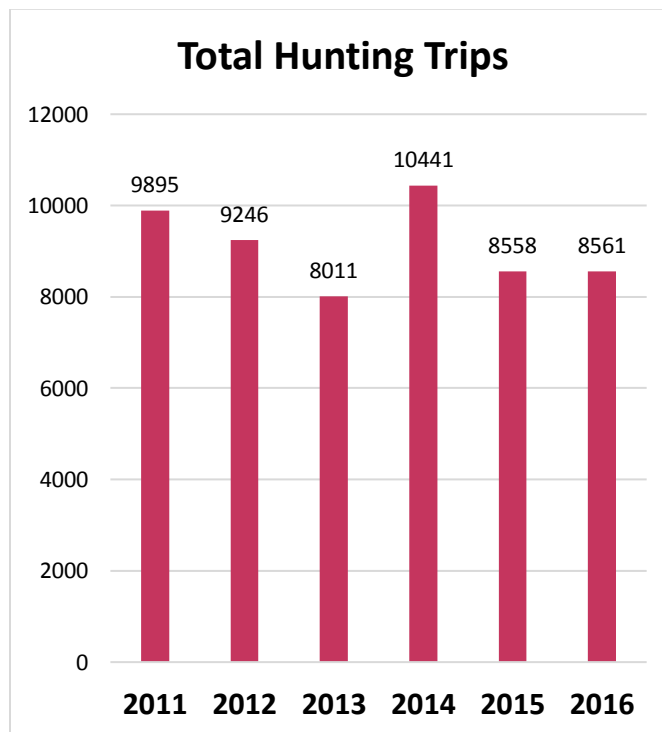
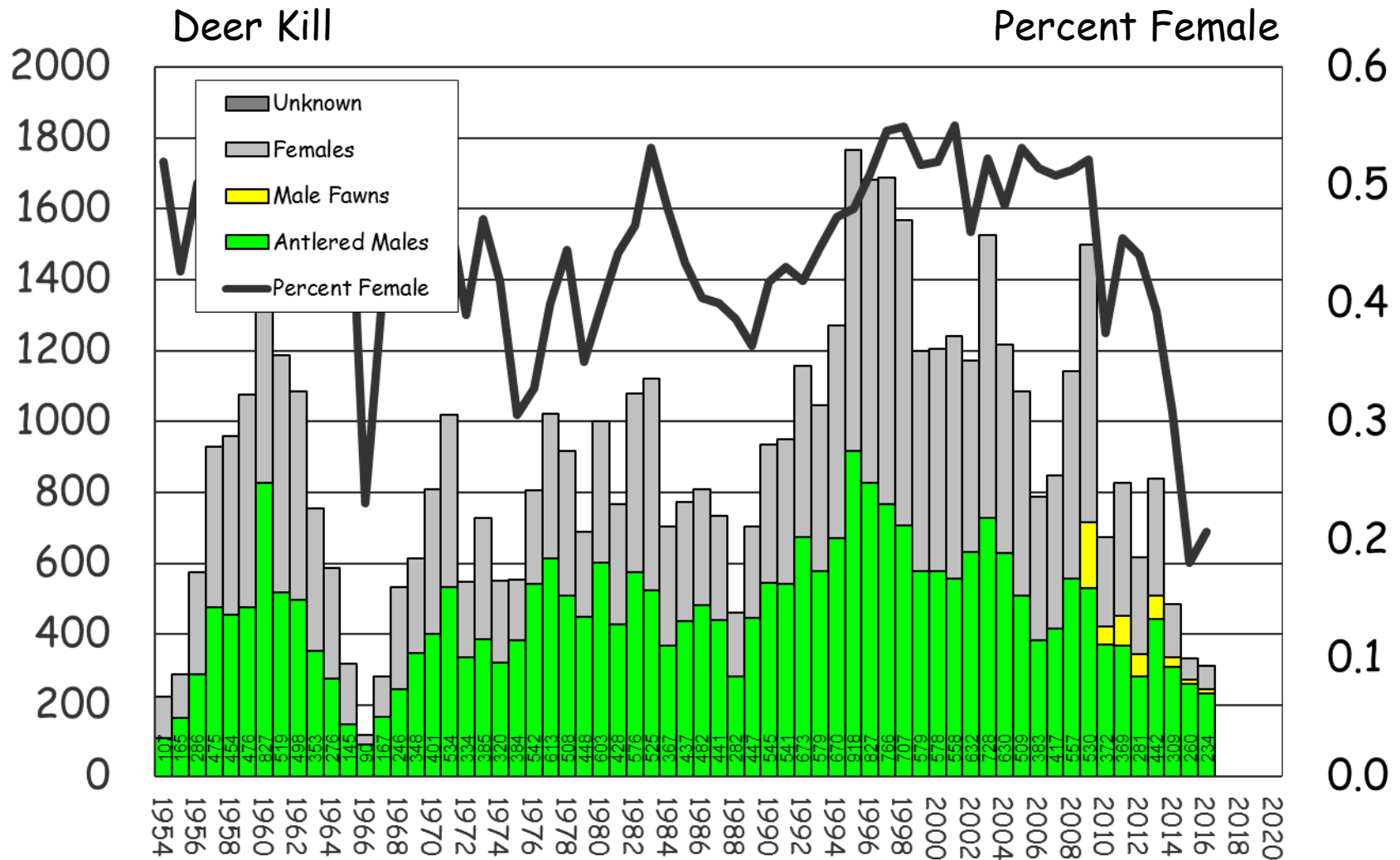
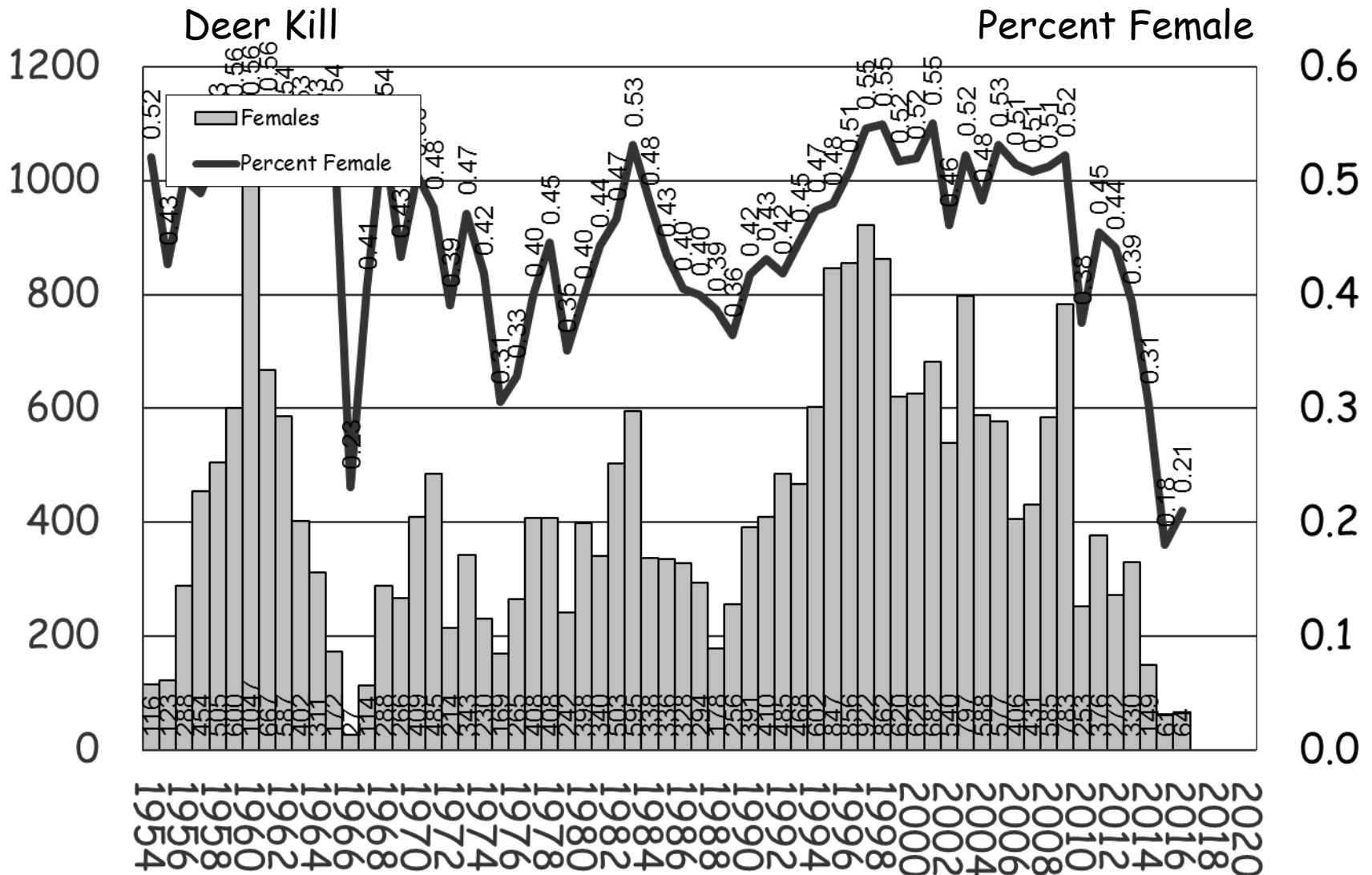


Figure 033. Caroline County public land deer kill (AP Hill).



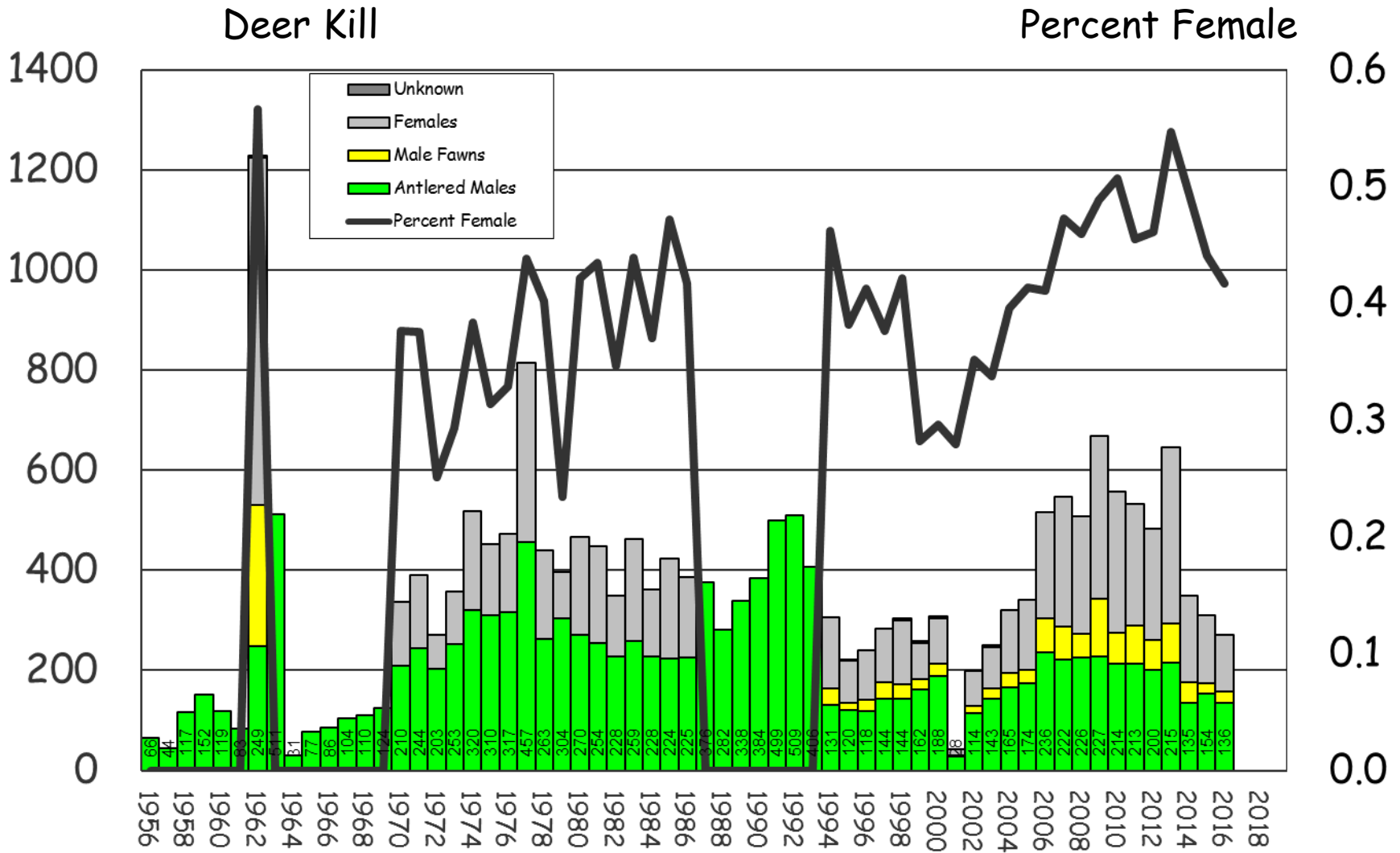
This data is from the AP Hill natural resources staff and does not represent any other public land(s) in Caroline County.

Figure 033. Caroline County public land deer kill (AP Hill).



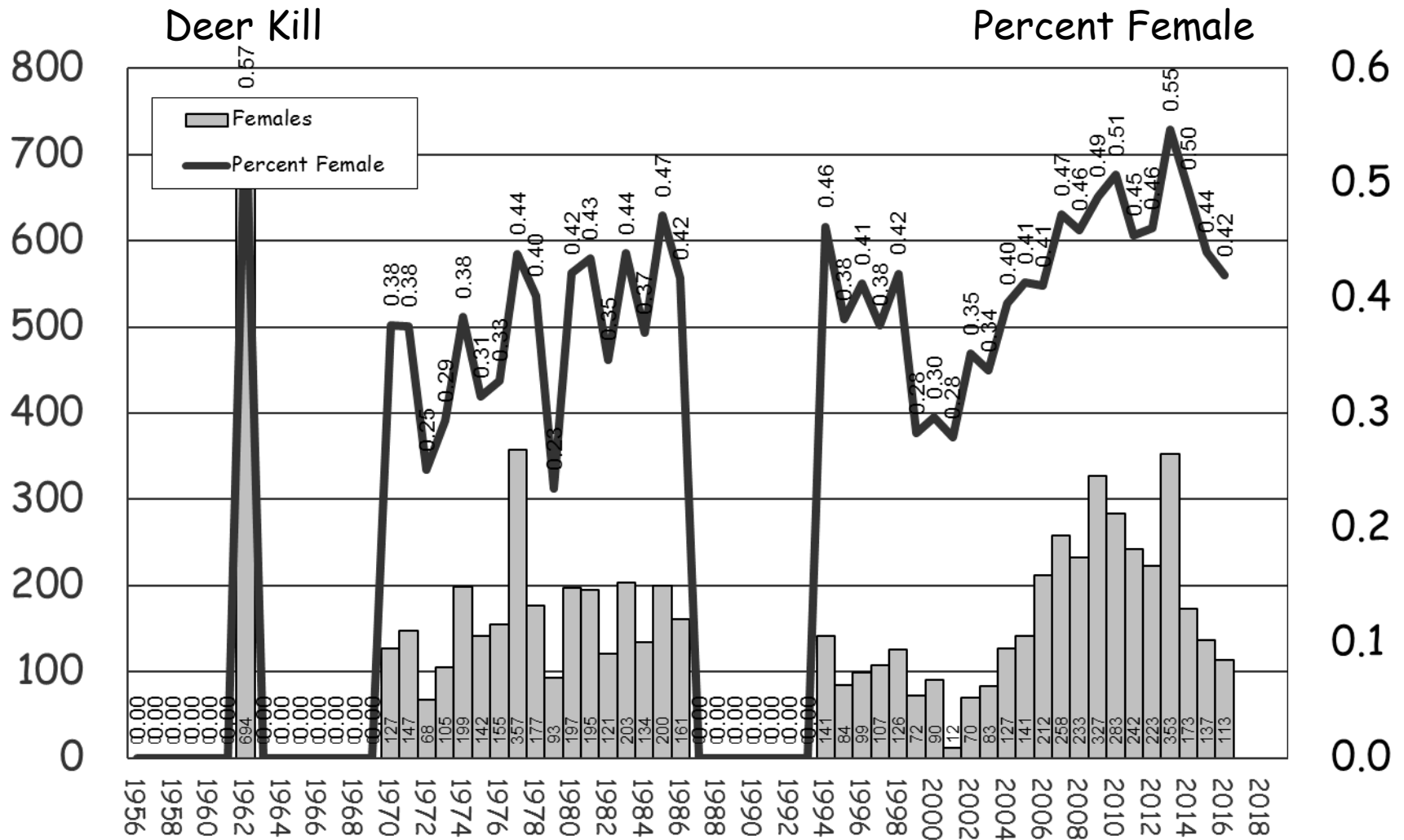
This data is from the AP Hill natural resources staff and does not represent any other public land(s) in Caroline County.

Figure 135. Nottoway County public land deer kill (Fort Pickett).



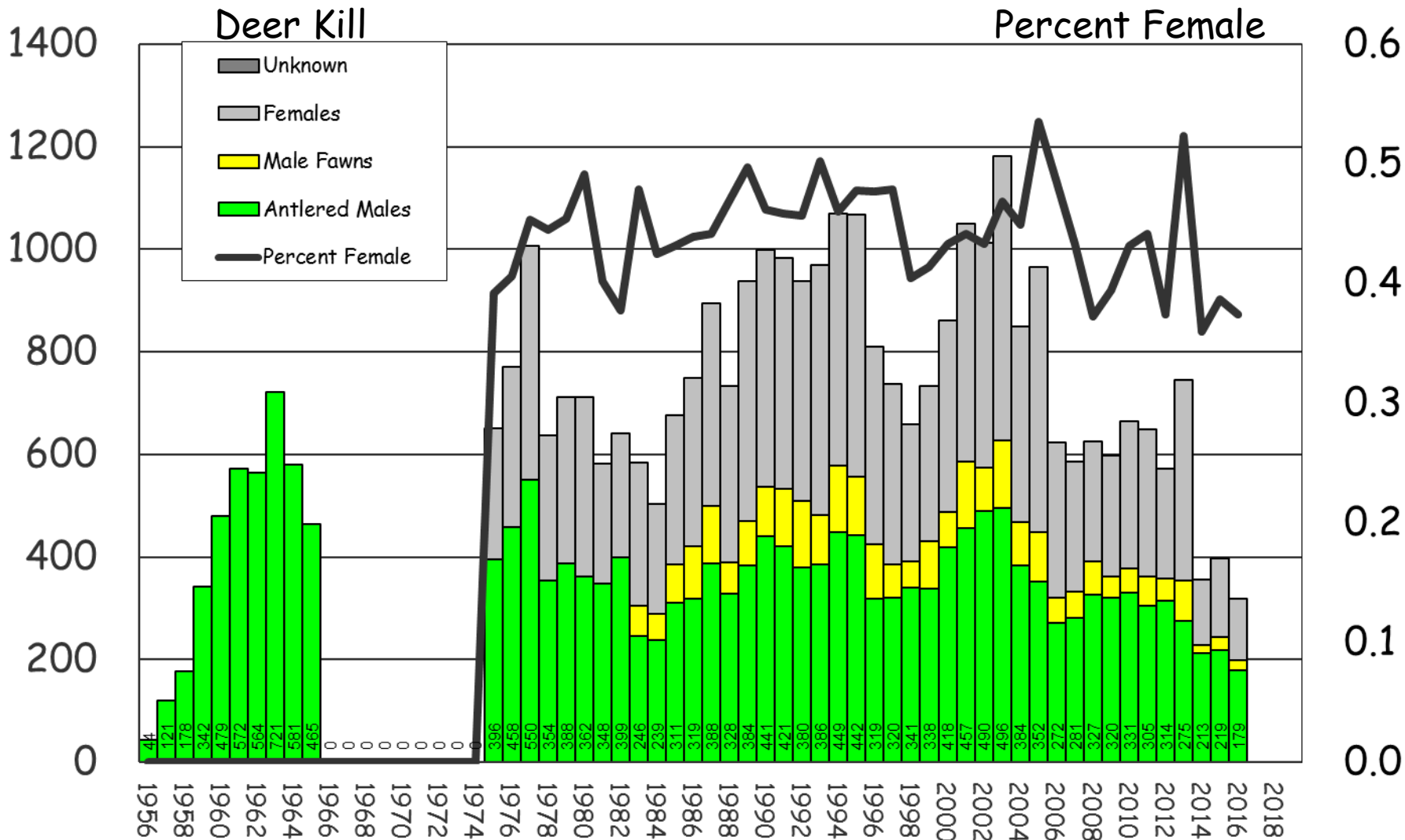
This data is from Fort Pickett and represents the total Fort deer kill including deer killed in Brunswick, Dinwiddie, and Lunenburg counties.

Figure 135. Nottoway County public land deer kill (Fort Pickett).



This data is from Fort Pickett and represents the total Fort deer kill including deer killed in Brunswick, Dinwiddie, and Lunenburg counties.

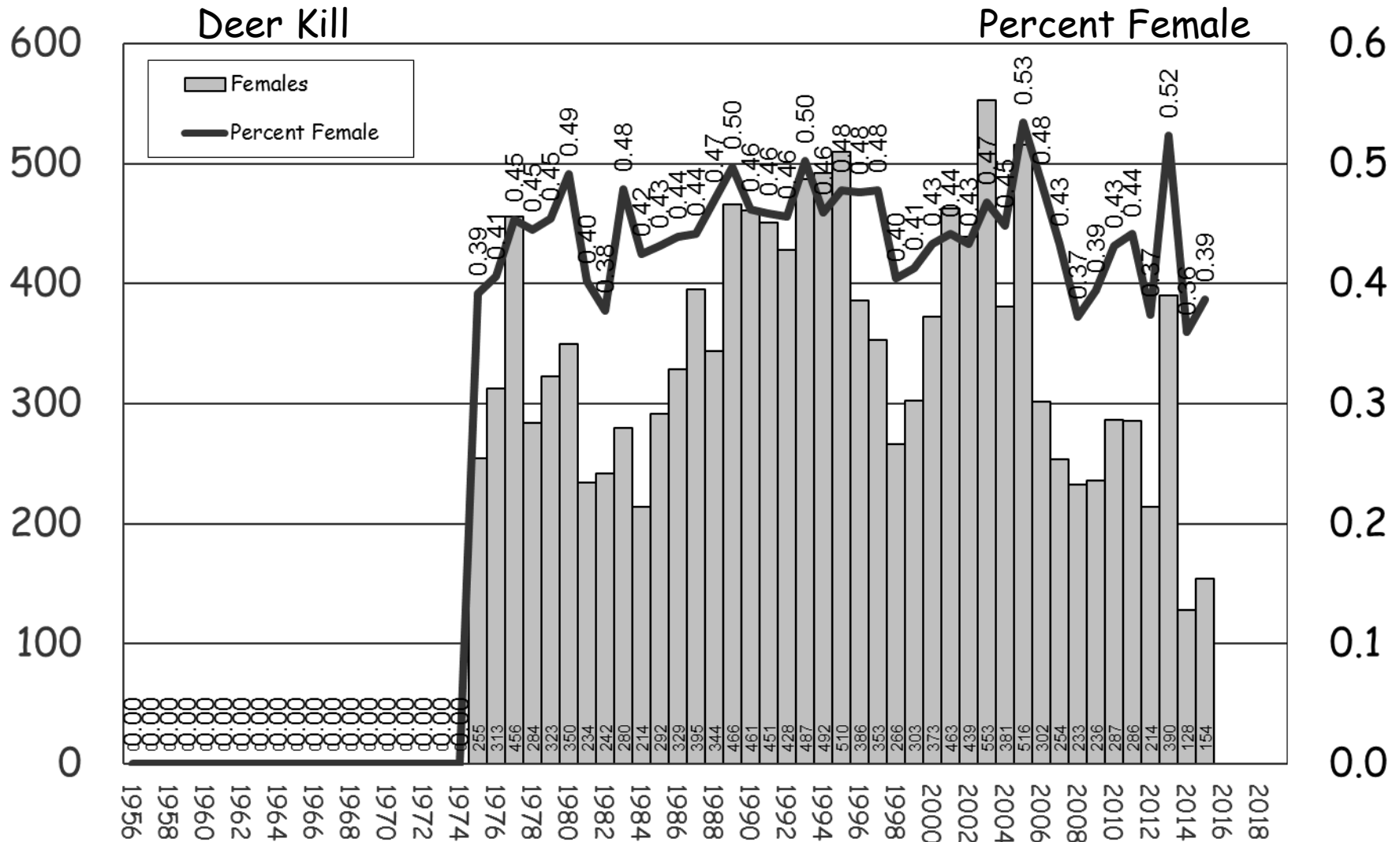
Figure 179. Stafford County public land deer kill (Quantico).



This data is taken directly from the Quantico biological data and represents the total base deer kill including deer killed in Fauquier and Prince William counties also.



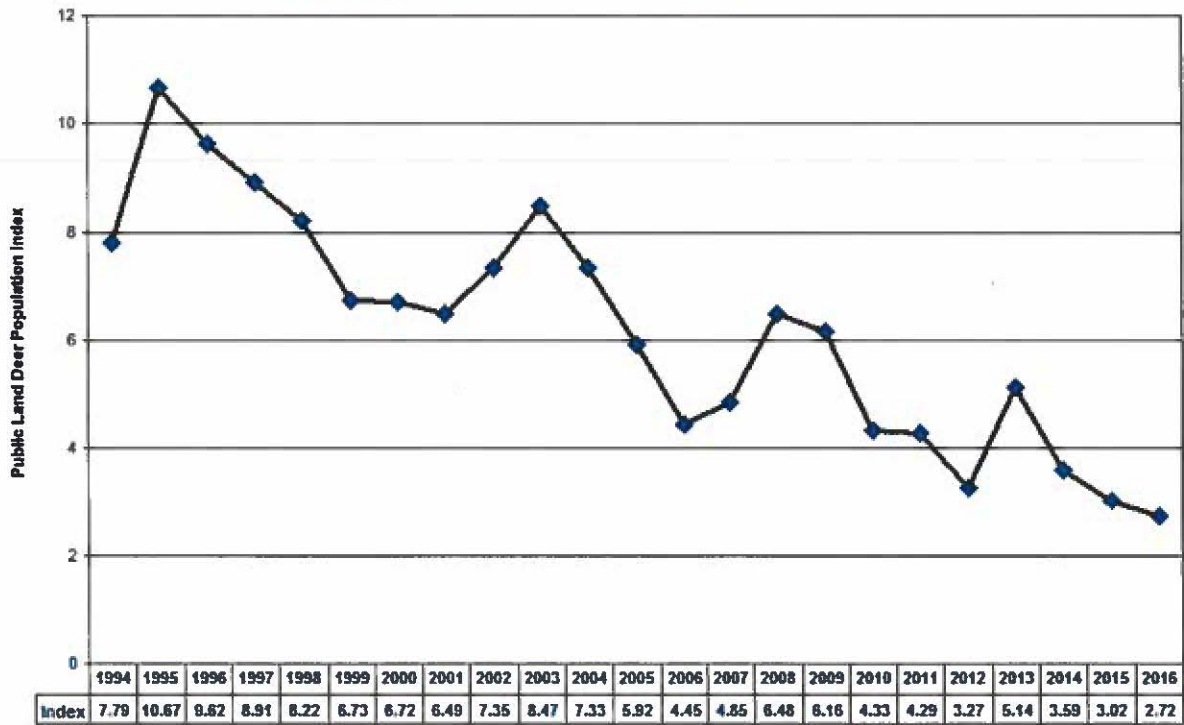
Figure 179. Stafford County public land deer kill (Quantico).



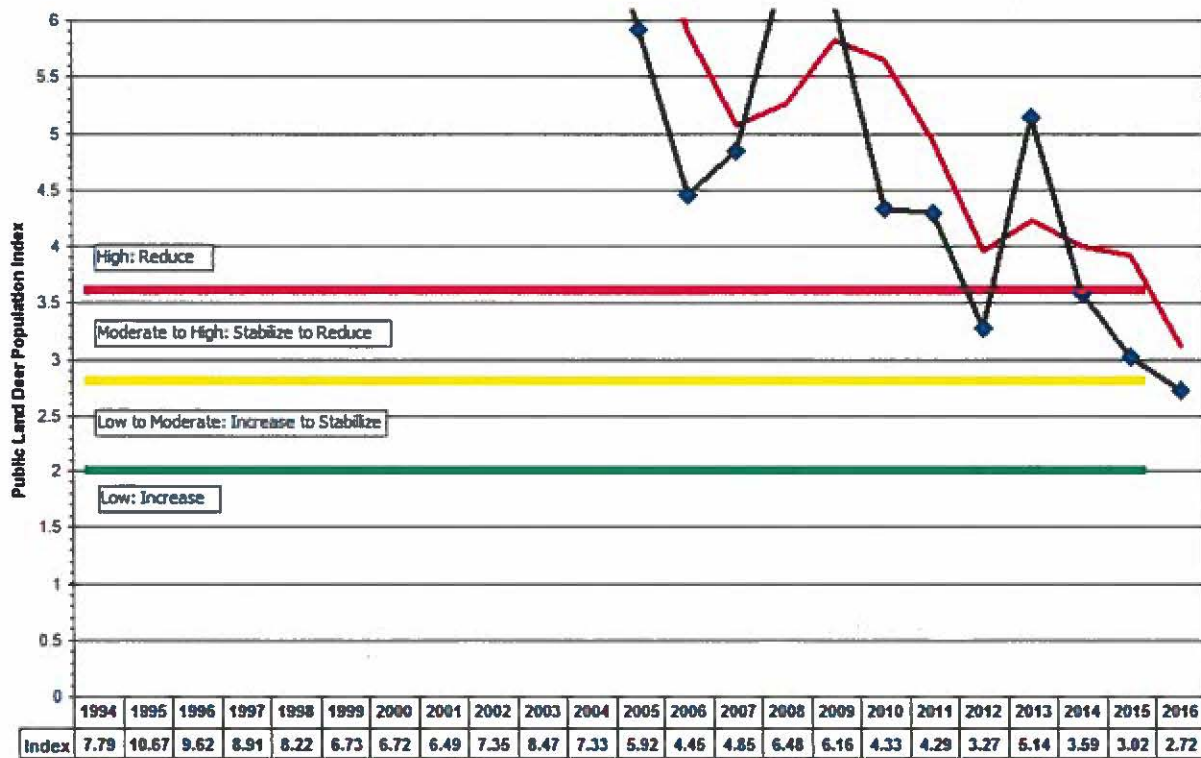
This data is taken directly from the Quantico biological data and represents the total base deer kill including deer killed in Fauquier and Prince William counties also.

DP HW

Caroline Public Land Deer Population Index



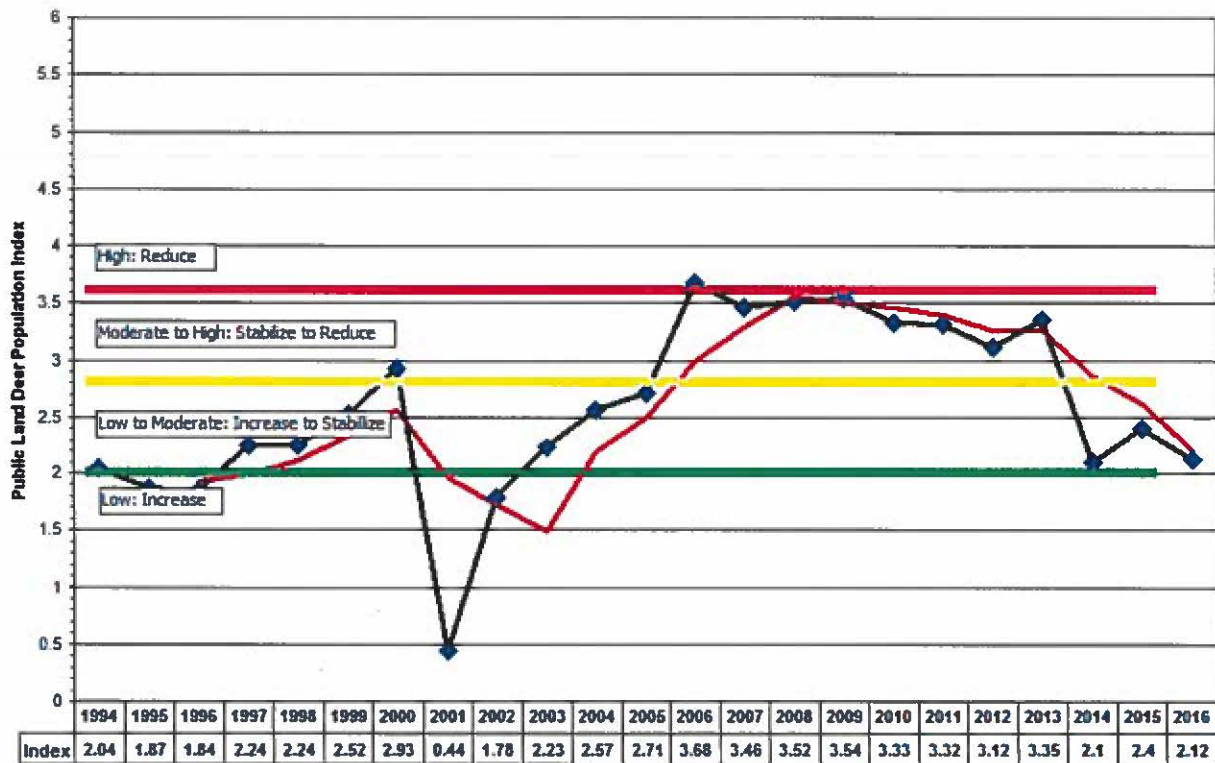
Caroline Public Land Deer Population Index



23 YEAR - 0.0504 0.8042 ↓ 69% SIGNIFICANT  
 10 YEAR - 0.0788 0.6553 ↓ 55% SIGNIFICANT  
 5 YEAR - 0.09 0.341 ↓ 36% NOT SIGNIFICANT

# FORT PULASKI

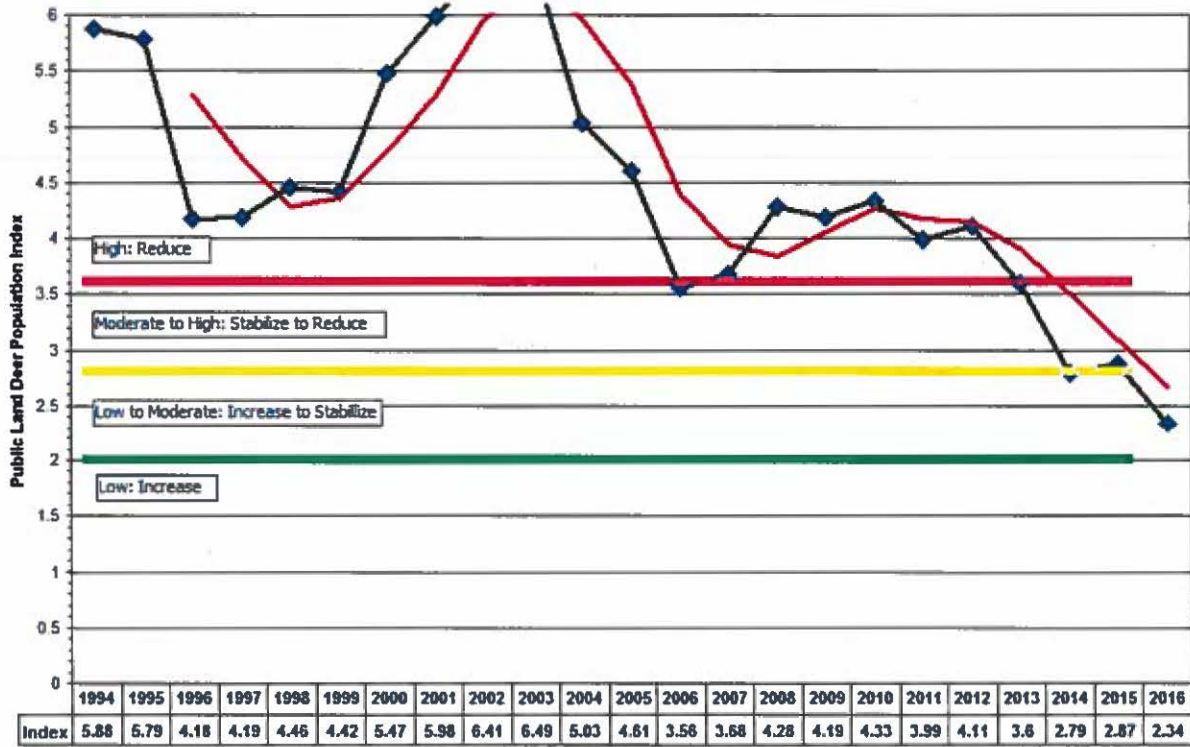
## Netoway Public Land Deer Population Index



23 YEAR  $0.0273$   ~~$0.0127$~~   $0.1243$   $\uparrow 71\%$  SIGNIFICANT  
 10 YEAR  $-0.0591$   $0.7111$   $\downarrow 45\%$  SIGNIFICANT  
 5 YEAR  $-0.1106$   $0.6429$   $\downarrow 42\%$  SIGNIFICANT

QUANTILE

Stafford Public Land Deer Population Index



23 YEAR -0.0281 0.522 48% SIGNIFICANT  
 10 YEAR -0.0572 0.6486 44% SIGNIFICANT  
 5 YEAR -0.1315 0.9255 48% SIGNIFICANT