

# Arkansas Game and Fish Commission

## Deer Management Assistance Program

### VICTOR CREEK HUNTING CLUB HC-AGFC-2348 Level II DMAP

County:	Hot Spring
Deer Management Unit:	West Gulf Coastal Plain
Deer Zone:	12
WMD Region:	4
Biologist:	Charles Self
Acres:	3972
Years in DMAP:	Not Available
06-07 Doe Permits Issued:	Not Available
06-07 Management Buck Tags Issued:	Not Available
06-07 Unrestricted Weapons Doe Tags Issued:	Not Available

### 2006-2007 DATA COLLECTION AND RETURN

Was the data clean and legible?	Yes
Jawbones cleaned and dried properly?	Yes
All jawbones collected, returned and on time?	Yes
B&C scores collected and returned?	
Observations data collected and returned?	

### 2007-2008 HARVEST RECOMMENDATIONS

Harvest recommendations for the 2007-2008 deer season are listed below:

Because of the friendships I have developed with the club, I was excited to examine your data. I was sadly disappointed to see that we did not receive or could not use jaws for five antlered bucks, one button buck, and five does. Having a jaw to age for every deer and accurate data are the basis for an effective management program. I realize that nearly every club needs to have one or two people assigned to virtually nag everyone to get the data and jaws. It should be every member's responsibility to get this information for his/her deer and for invited guests.

Herd health could have been better. Some weights were light, although most were typical of healthy weights. Adult doe lactation (does with milk) was surprisingly low. It makes me wonder if they were checked closely. Record accurate biological data. Check does for milk by cutting into the milk bag. Anything whitish or brownish oozing out is milk. Do not leave the lactation information blank. Poor lactation is usually the first indication of trouble ahead. If the herd is not reduced, reduced weights and antler size by age class usually follow.

I have the club's goal listed as Level 2, which means Quality Buck Management. To reach that goal, the club needs to:

1. Submit accurate and complete data and a jaw from every deer taken to chart progress properly,

8/15/2007

2. Continue a conservative buck harvest to allow more to grow into the 3.5+ year age class, and
3. Increase the doe harvest to improve weights and lactation (reproduction).

If at all possible, try to hold off taking bucks until after November 15. The primary 7-day period of conceptions is November 12-18. Removing the better bucks before they have a chance to do much breeding could reduce herd genetics.

To help grow more Quality Bucks, consider limiting the buck harvest to no more than a male per 200 acres (20 males total), and set a minimum of four points on one beam and a 13" inside spread or a 14" beam length, or something similar.

Try to take an ADULT doe per 125-90 acres (32-47 does total) before November 15 while protecting ALL fawns and any "does" that are alone. Observe behavior and protect the small deer that frolic. Wait on the longer-faced adult doe that notices everything. Just protect fawns. If members/guests become too selective, they may not take enough does.

## **ADDITIONAL COMMENTS**

Try to take most does before November 15. It is much easier to identify fawns in October when fawns are smaller. Taking does before most bucks are taken will help:

- Balance the sex ratio before bucks are taken,
- Better assure that most does will be bred on the first estrous cycle, and
- Relieve competition for food.

# 2006-2007 HARVEST SUMMARY

All weights are dressed weights. All weight measurements are in pounds and all antler measurements are in inches.

On Tables 5, 6, and 7, bucks with a null value for total points are excluded.

Antler index is calculated as follows: total points + inside spread + left beam length + left beam circumference.

## TARGETS:

1. Dressed Weight - Bucks - 110 lbs. for all DMUs except 5; 130 lbs. for DMU 5.
2. Dressed Weight - Does - 80 lbs. for all DMUs except 5; 90 lbs. for DMU 5.
3. Lactation - 80% for all DMUs.

**Table 1. General Harvest Summary**

	Number Harvested	Acres per Deer Harvested
Antlered	19	209
Button Buck	1	3972
Doe	18	220
<b>Total Harvest</b>	<b>38</b>	<b>104</b>

**Table 2. Harvest Summary with Averages by Age and Sex**

Bucks	Sample Size	06-07 AVG	05-06 AVG
Dressed Weight of 1.5 year old	2	89.000	
Dressed Weight of 2.5 year old	7	108.000	
Dressed Weight of 3.5 year old	4	122.000	
Dressed Weight of 4.5 year old	1	124.000	
Antler Index of 1.5 year old	1	30.750	
Antler Index of 2.5 year old	5	39.475	
Antler Index of 3.5 year old	4	42.844	
Antler Index of 4.5 year old	1	44.375	

Does	Sample Size	06-07 AVG	05-06 AVG
Dressed Weight of 0.5 year old	1	43.000	
Dressed Weight of 1.5 year old	3	74.333	
Dressed Weight of 2.5 year old	5	75.800	
Dressed Weight of 3.5 year old	2	83.000	
Dressed Weight of 4.5 year old	1	83.000	
Dressed Weight of 5.5 year old	1	71.000	
% Lactation of 0.5 year old	1	0%	
% Lactation of 1.5 year old	3	0%	
% Lactation of 2.5 year old	5	60%	
% Lactation of 3.5 year old	2	50%	

---

% Lactation of 4.5 year old	1	0%
% Lactation of 5.5 year old	1	0%

---

**Table 3. Harvest Summary by Age and Sex**

Age (Years)	Bucks	Mgmt. Bucks	Does
Unknown	6 (30%)	0	5 (28%)
0.5	0 (0%)	0	1 (6%)
1.5	2 (10%)	0	3 (17%)
2.5	7 (35%)	0	5 (28%)
3.5	4 (20%)	0	2 (11%)
4.5	1 (5%)	0	1 (6%)
5.5	0 (0%)	0	1 (6%)

**Table 4. Average Antler Statistics for Buck Harvest**

Age (Years)	Sample Size	Inside Spread	Main Beam Length	Brow Tine Length	Main Beam Cir.
Unknown	4	14.625	18.469	2.906	3.656
1.5	1	9.500	12.500	1.875	2.750
2.5	4	13.219	15.219	2.344	3.156
3.5	4	14.281	17.219	3.188	3.594
4.5	1	13.500	19.125	3.000	3.750

**Table 5. Antler Statistics for Adult (2.5+) Buck Harvest**

Total Points	Number of Deer	Percent
6	1	8%
7	5	42%
8	5	42%
9	1	8%

**Table 6. Antler Statistics for Yearling (1.5) Buck Harvest**

Total Points	Number of Deer	Percent
4	1	50%
6	1	50%

**Table 7. Detailed Harvest History**

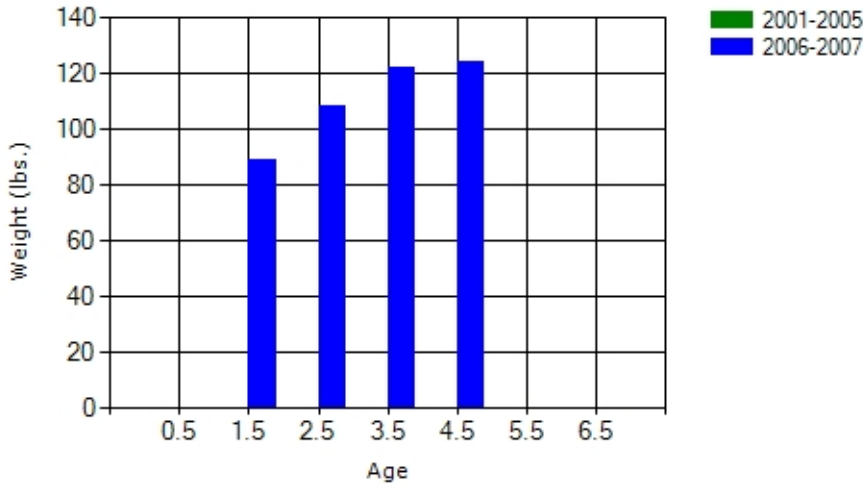
	2006-2007
Antlered	19
Button Buck	1
Doe	18
Acres per Deer	104
% 1.5 year old Bucks	10%
Avg. Weight	96.000
Avg. Total Points	6.000
Avg. Inside Spread	9.500
% Spikes	0%
Avg. Main Beam Length	12.500
Avg. Brow Tine Length	1.875
Avg. Circumference	2.750
% 2.5 year old Bucks	40%
Avg. Weight	112.000
Avg. Total Points	7.250
Avg. Inside Spread	13.219
Avg. Main Beam Length	15.219
Avg. Brow Tine Length	2.344
Avg. Circumference	3.156
% 3.5 year old Bucks	40%
Avg. Weight	122.000
Avg. Total Points	7.750
Avg. Inside Spread	14.281
Avg. Main Beam Length	17.219
Avg. Brow Tine Length	3.188
Avg. Circumference	3.594
% 4.5 year old Bucks	10%
Avg. Weight	124.000
Avg. Total Points	8.000
Avg. Inside Spread	13.500
Avg. Main Beam Length	19.125
Avg. Brow Tine Length	3.000
Avg. Circumference	3.750
% 0.5 year old Does	8%
Avg. Weight	43.000
% Lactating	0%
% 1.5 year old Does	23%
Avg. Weight	74.333
% Lactating	0%

% 2.5 year old Does	38%
Avg. Weight	75.800
% Lactating	75%
% 3.5 year old Does	15%
Avg. Weight	83.000
% Lactating	0%
% 4.5 year old Does	8%
Avg. Weight	83.000
% Lactating	0%
% 5.5 year old Does	8%
Avg. Weight	71.000
% Lactating	0%

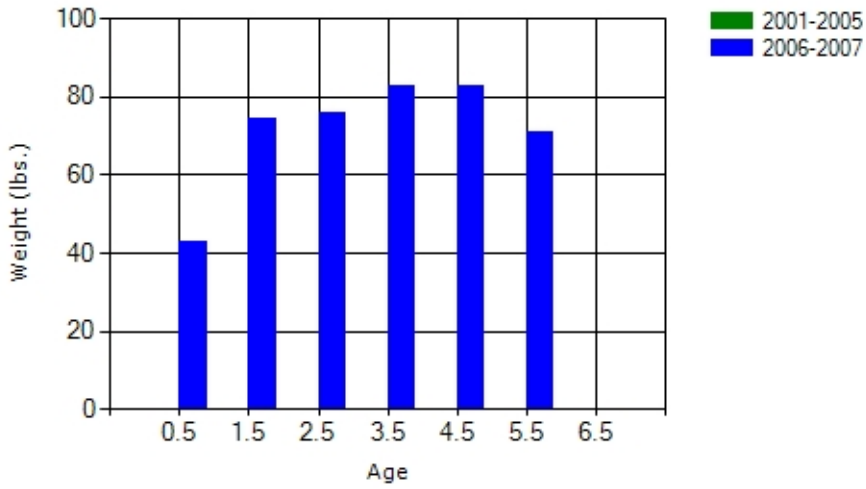
**Table 8. Epizootic Hemorrhagic Disease (EHD)**

Status	Number of Deer	Percent
Not Present	38	100%

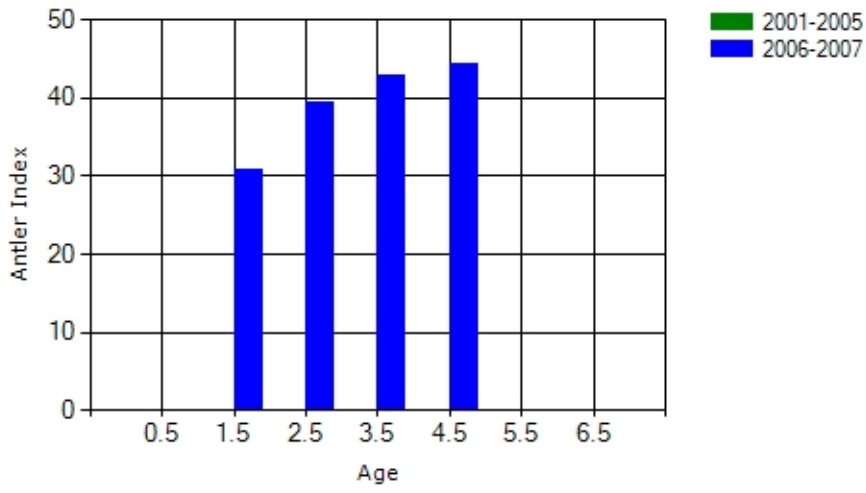
Average Buck Dressed Weight by Age



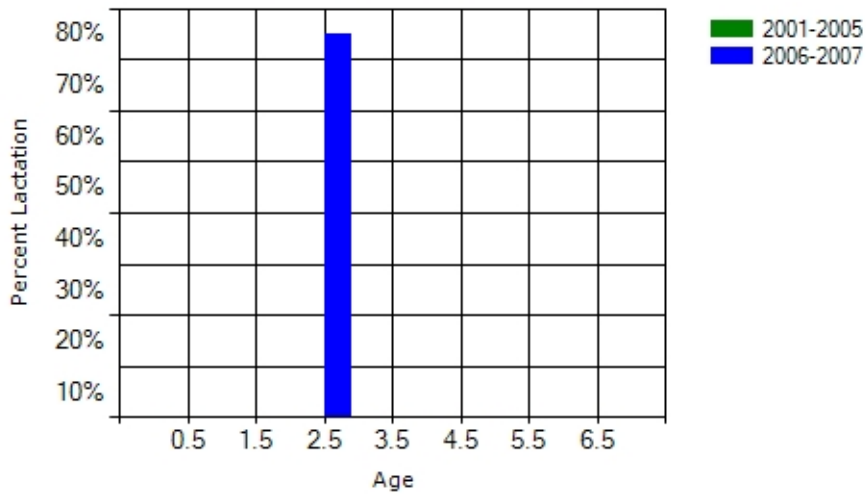
Average Doe Dressed Weight by Age



Average Antler Index by Age



Doe Percent Lactation by Age



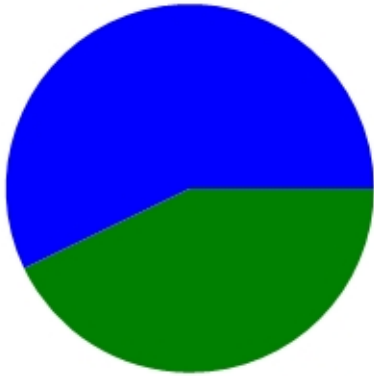
Adult (2.5+) Doe Lactation

Not Lactating: 57%

10/01/2006 - 11/30/2006

Lactating: 43%

Not Lactating: 57%



Lactating: 43%

# Total Buck Harvest by Age by Year

