



U.S. ARMY



---

# Fort Gordon Natural Resources Branch 2017-2018 Deer Harvest Summary Report

7 March 2018  
*presented by*

---

Michael Juhan  
Wildlife Biologist

---

***IMCOM Mission – Our mission is to synchronize, integrate and deliver installation services and sustain facilities in support.***



U.S. ARMY

# 2017-2018 Deer Harvest Summary Report



## Harvest Summary

### Deer Harvest by Management Zone, 2017-2018

Zone	Bucks	Does	Total
18-49	102	67	169
Archery	26	29	55
SAIA	4	10	14
<b>All Areas</b>	<b>132</b>	<b>106</b>	<b>238</b>



The 2017-2018 deer season was a good one, with harvest being the highest in 8 years.

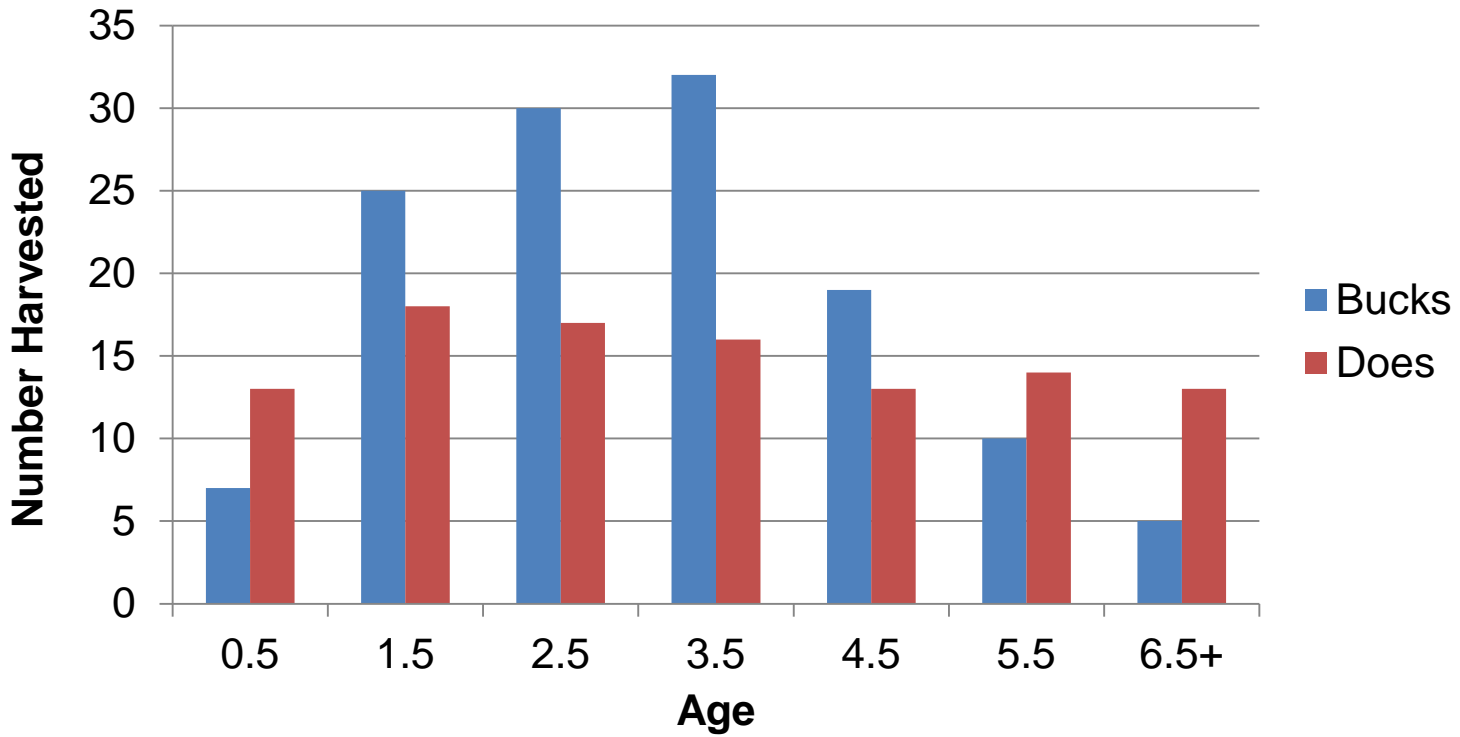


U.S. ARMY

# 2017-2018 Deer Harvest Summary Report



## Deer Harvest By Age Class, 2017-2018



Age structure is one of several important indicators of deer herd status and health. The age structure from this season's harvest indicates a stable, healthy herd. Thanks to all those who submitted jawbones as required.

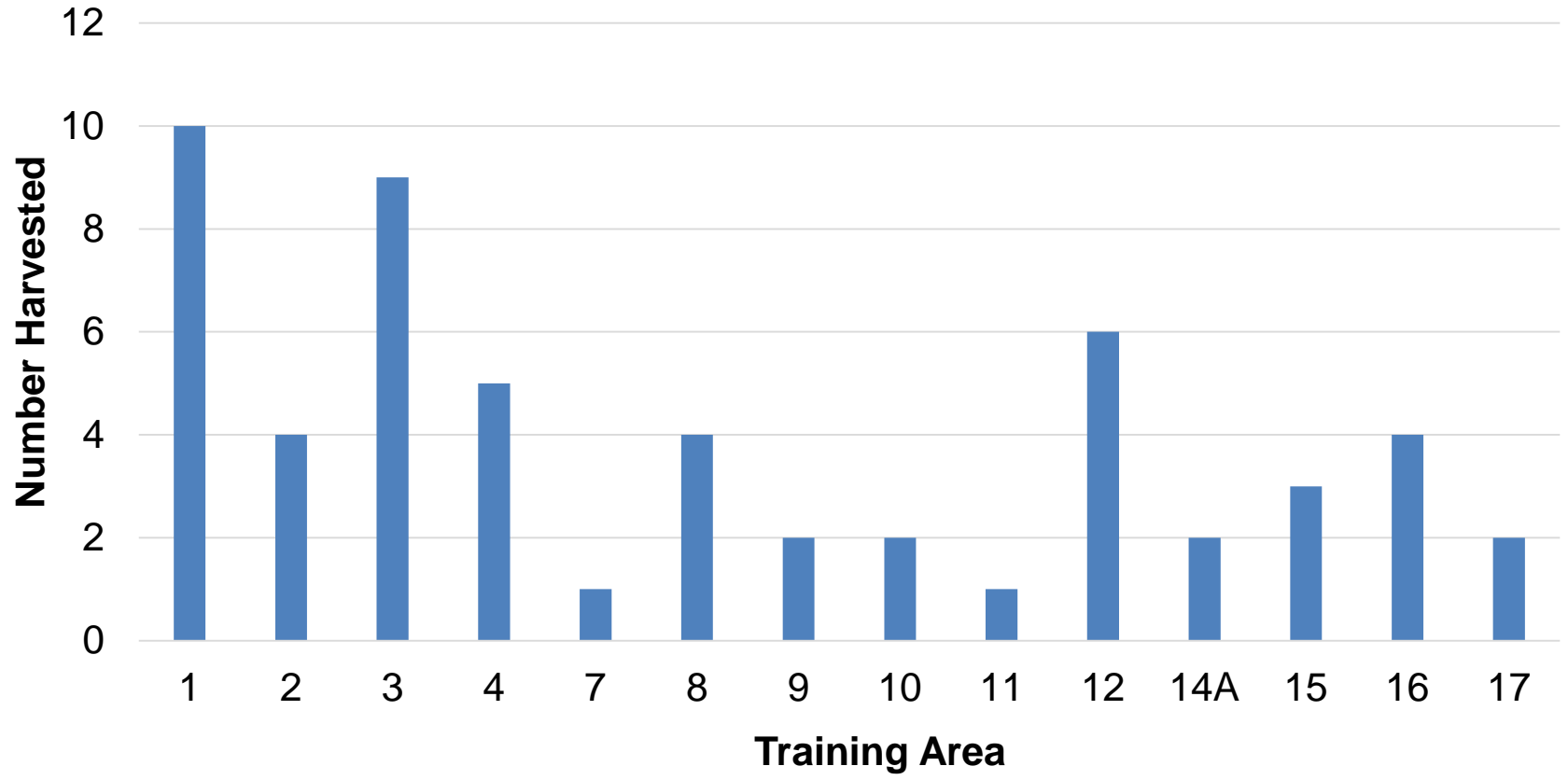


U.S. ARMY

# 2017-2018 Deer Harvest Summary Report



## Deer Harvested by Area in Archery Zone, 2017-2018



Areas not shown did not have deer harvested in them.

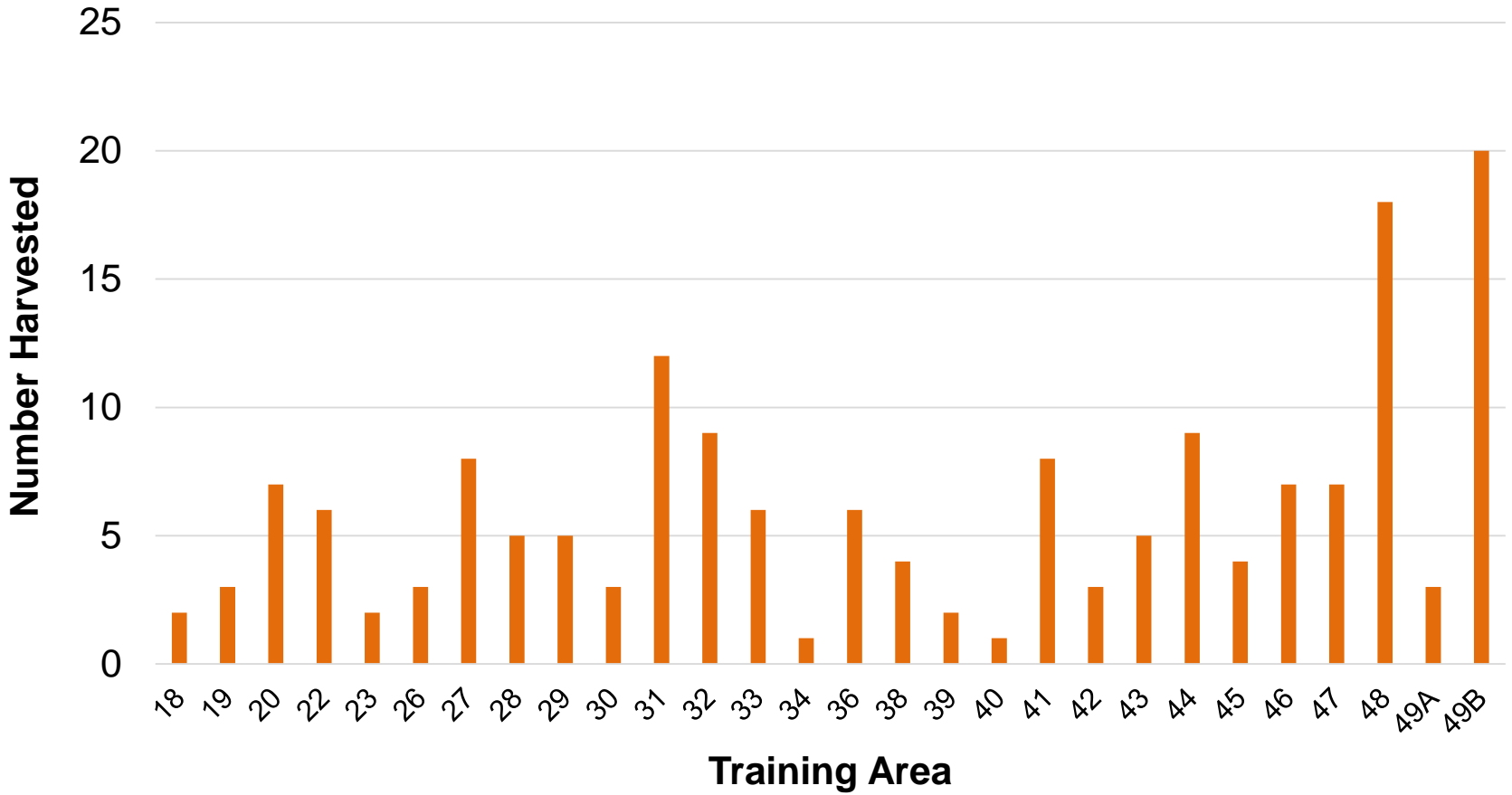


U.S. ARMY

# 2017-2018 Deer Harvest Summary Report



## Deer Harvested by Area in 18-49 Zone, 2017-2018



Areas not shown did not have deer harvested in them.

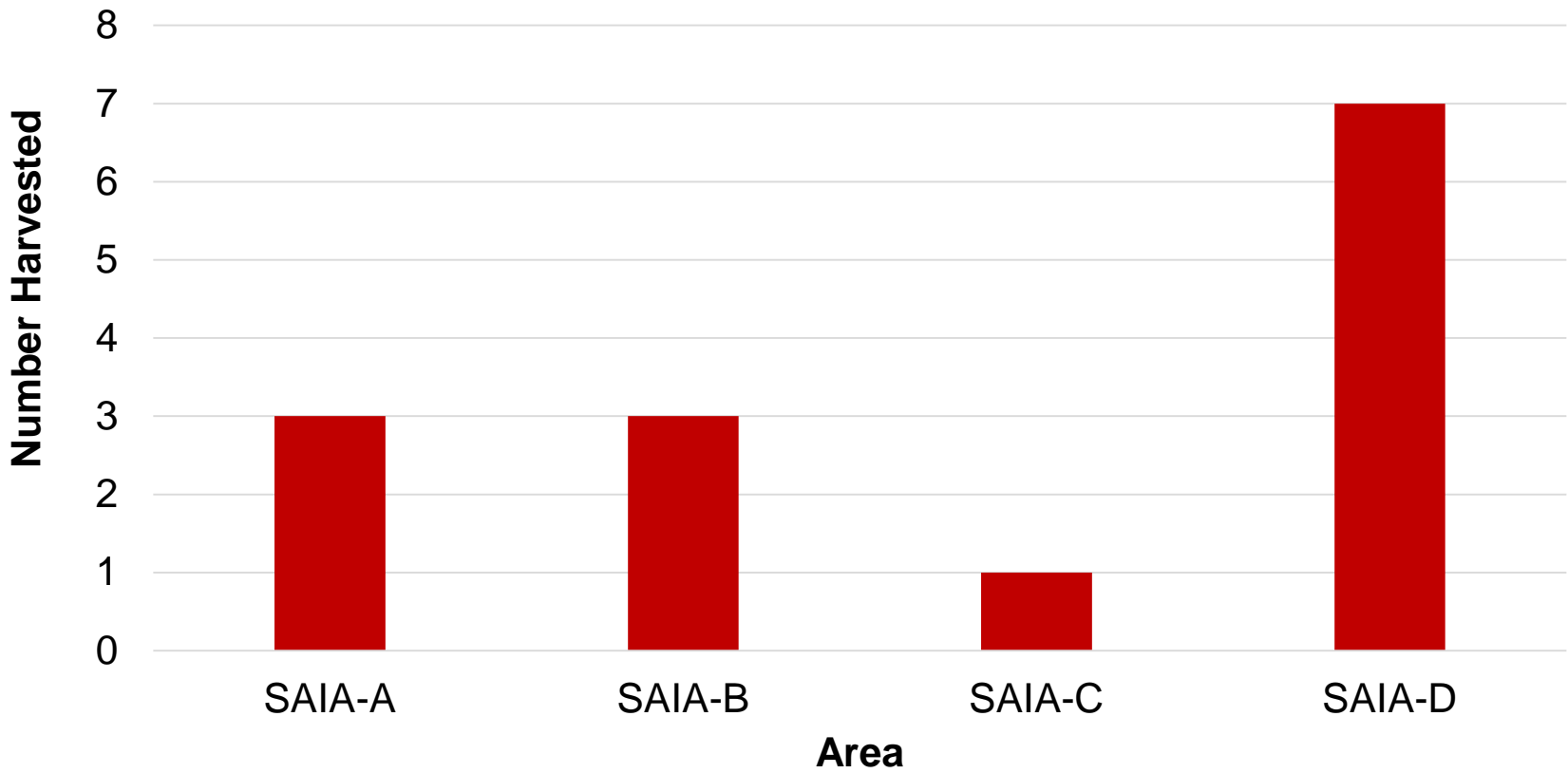


U.S. ARMY

# 2017-2018 Deer Harvest Summary Report



## Deer Harvested by Area in SAIA Zone, 2017-2018





U.S. ARMY

# 2017-2018 Deer Harvest Summary Report



## Antlerless Harvest Quota (TAs 18-49)

- The Antlerless Harvest Quota for training areas 18-49 was initially set at 50, which was reached on 12 November
- After receiving favorable results from our Fall camera survey the quota was extended for another 20 antlerless deer. This extended quota was met on 12 January





U.S. ARMY

# 2017-2018 Deer Harvest Summary Report



## Antler Data

### Average Antler Characteristics, 2017-2018

Age	Sample Size	Points	Inside Spread (in.)	Gross B&C (in.)
1.5	7	4.9	8.0	47.0
2.5	9	7.1	10.9	72.6
3.5	16	7.2	13.1	91.2
4.5	9	7.6	14.4	96.2
5.5	6	8.7	14.7	114.1
6.5+	3	9.7	15.6	126.5



This antler data represents approximately 40% of the total bucks harvested. Thanks to those hunters who allowed NRB biologists to measure their bucks.





U.S. ARMY

# 2017-2018 Deer Harvest Summary Report



## Antler Data

### Notable Bucks Harvested, 2017-2018 (Those scoring 120 Gross B&C or greater)

Age	Points	Inside Spread (in.)	Right Main Beam (in.)	Gross B&C Score (in.)	Live Weight (lbs.)	Training Area
5.5	8	15 2/8	20 7/8	122 2/8	155	SAIA-D
5.5	8	16 3/8	20 5/8	127 1/8	150	32
5.5	11	15 2/8	19	129	157	22
6.5	8	15 4/8	22 2/8	129 5/8	185	20
8.5	11	15 3/8	19 4/8	131 7/8	210	29



This antler data represents approximately 40% of the total bucks harvested. Thanks to those hunters who allowed NRB biologists to measure their bucks.



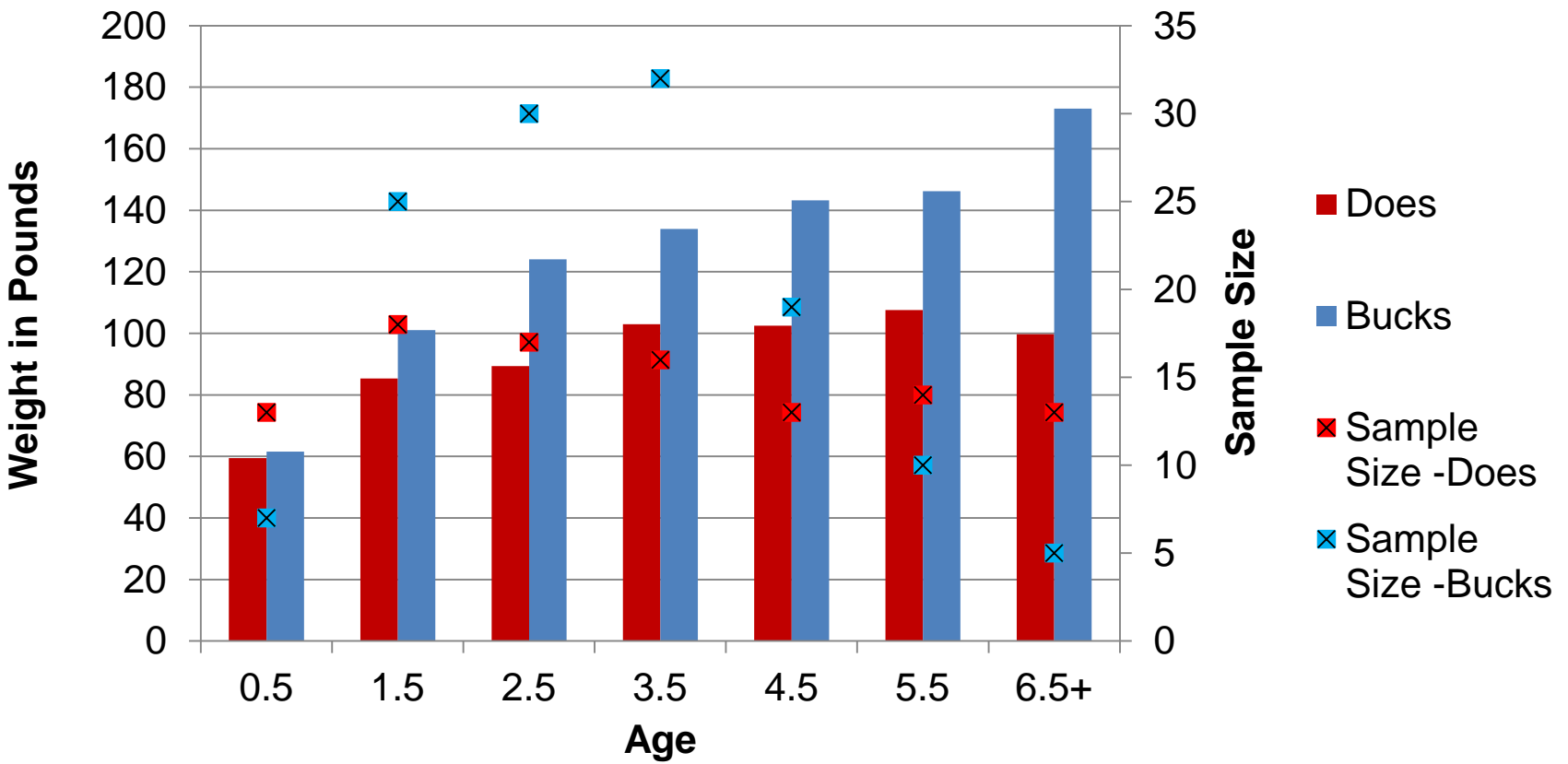
U.S. ARMY

# 2017-2018 Deer Harvest Summary Report



## Body Weight

### Average Live Weights by Age, 2017-2018





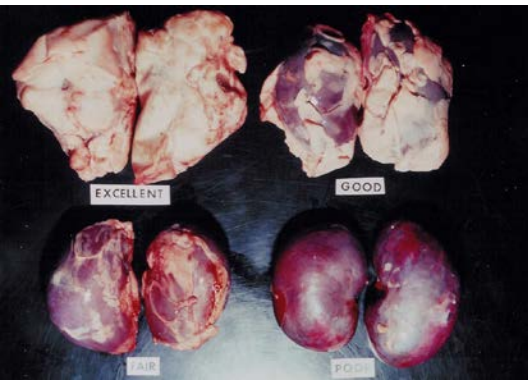
U.S. ARMY

# 2017-2018 Deer Harvest Summary Report



## Kidney Fat Index

Kidney Fat Index (KFI) is a measurement of the amount of fat on the kidneys of harvested deer. Biologists use this index to assess the health of individual deer as well as the health of the entire deer herd. KFI is measured on a scale of 1-4 with 1 being poor and 4 being excellent. Kidney fat for both bucks and does harvested in 2017-2018 season averaged in the fair to good range.



### Average KFI of Harvested Deer, 2017-2018

	Average KFI	Sample Size
Bucks	2.7	20
Does	2.8	12





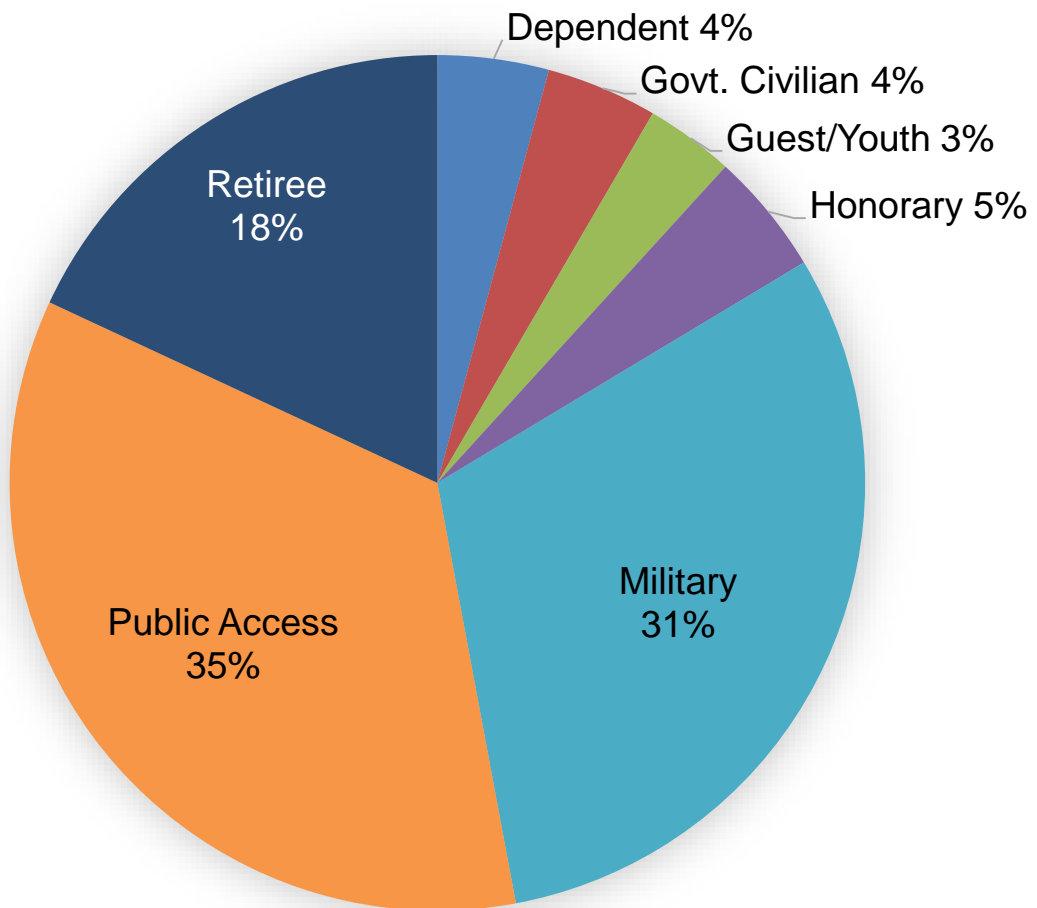
U.S. ARMY

# 2017-2018 Deer Harvest Summary Report



## Deer Hunter Stats

### Deer Harvest by Hunter Type, 2017-2018



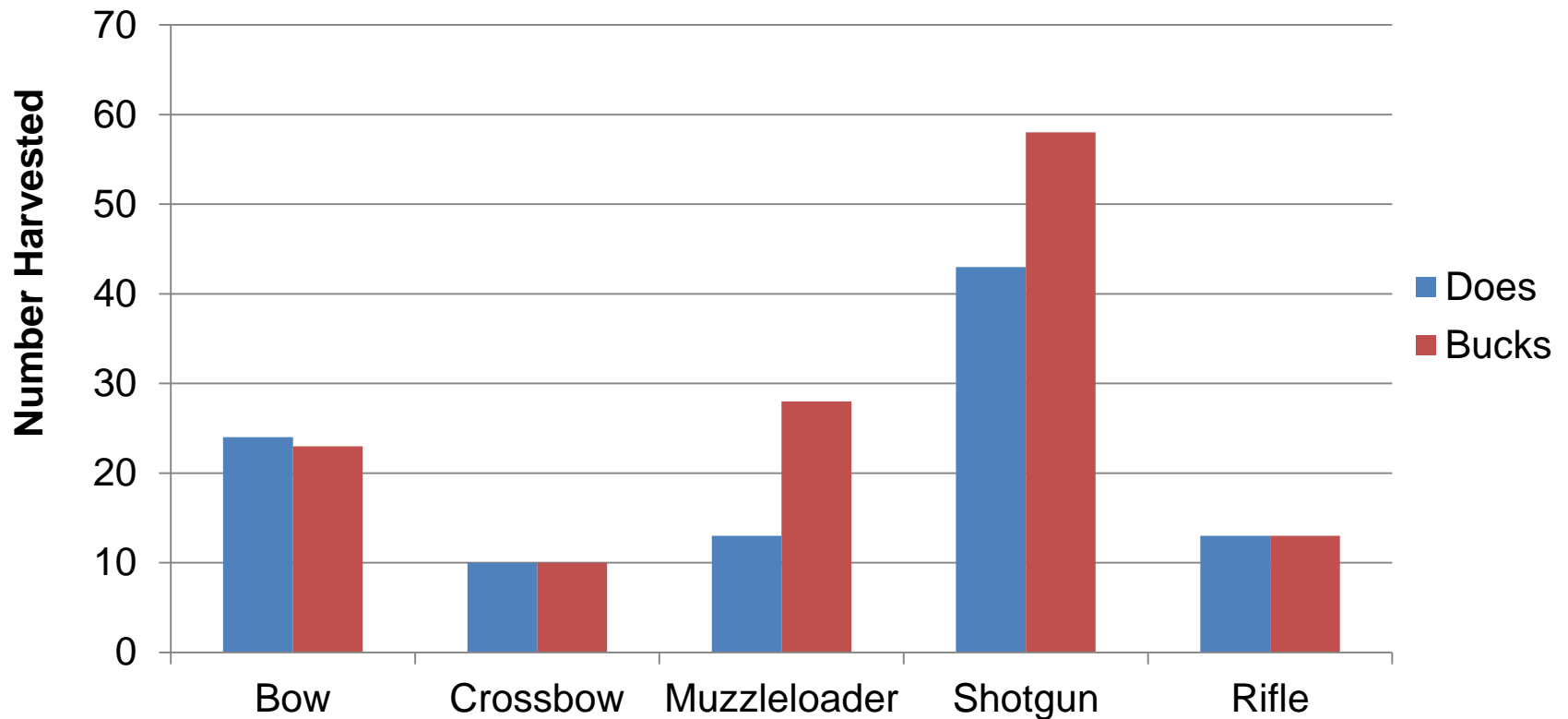


U.S. ARMY

# 2017-2018 Deer Harvest Summary Report



## Harvest by Weapon Type, 2017-2018



Fort Gordon allowed the use of rifles for hunting in TAs 48, 49A, and 49B this season. Hunters harvested 26 deer using rifles.



U.S. ARMY

# 2017-2018 Deer Harvest Summary Report



## Annual Trends



CAMERA 78 17 AUG 2016 06:57 pm



MOULTRIE 78°F CAMERA 64 13 AUG 2017 01:15 am



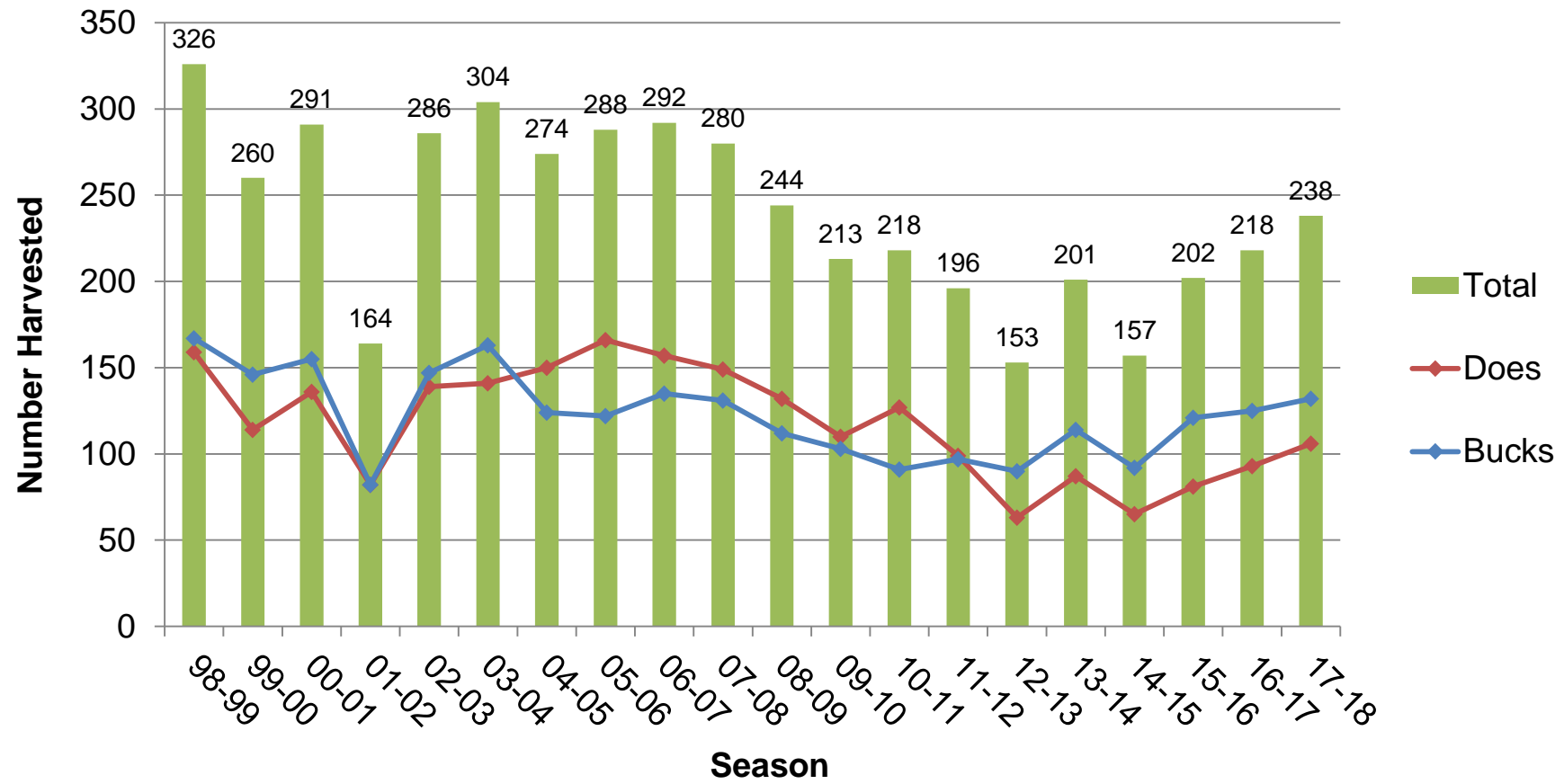
U.S. ARMY

# 2017-2018 Deer Harvest Summary Report



## Annual Trends

### Total Deer Harvest Trend





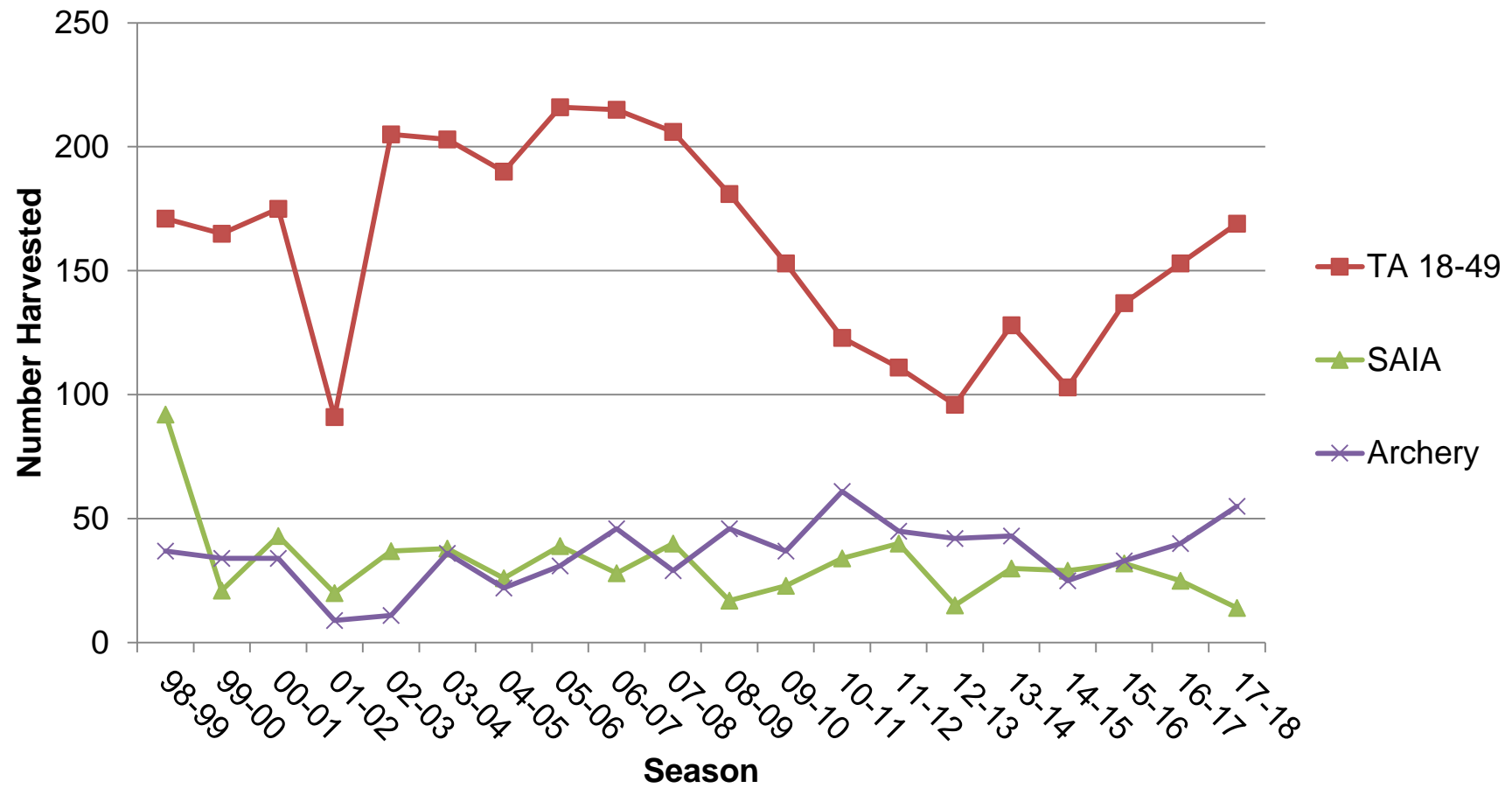
U.S. ARMY

# 2017-2018 Deer Harvest Summary Report



## Annual Trends

### Deer Harvest Trend By Deer Management Zone







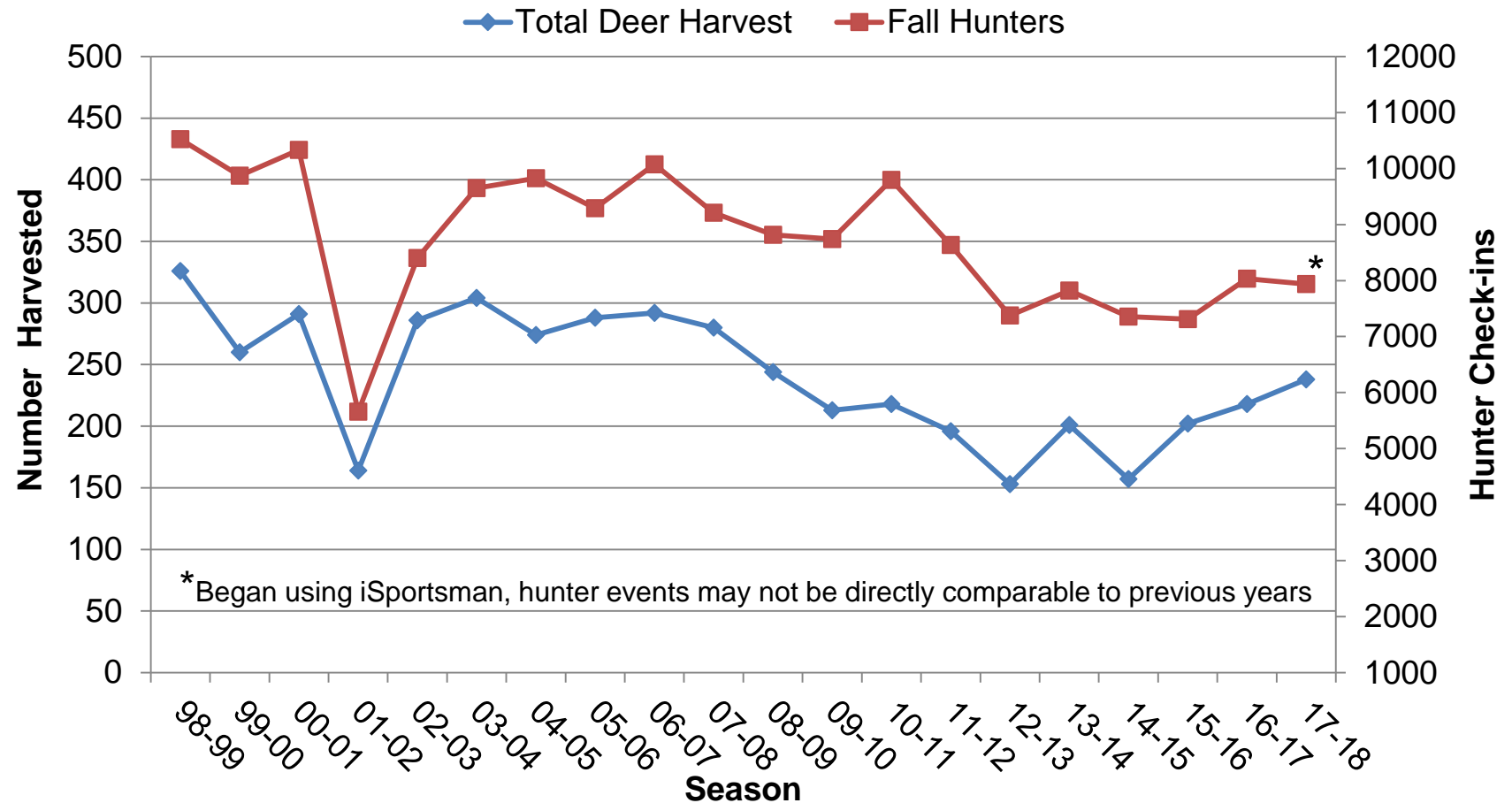
U.S. ARMY

# 2017-2018 Deer Harvest Summary Report



## Annual Trends

### Annual Deer Harvest and Hunter Events





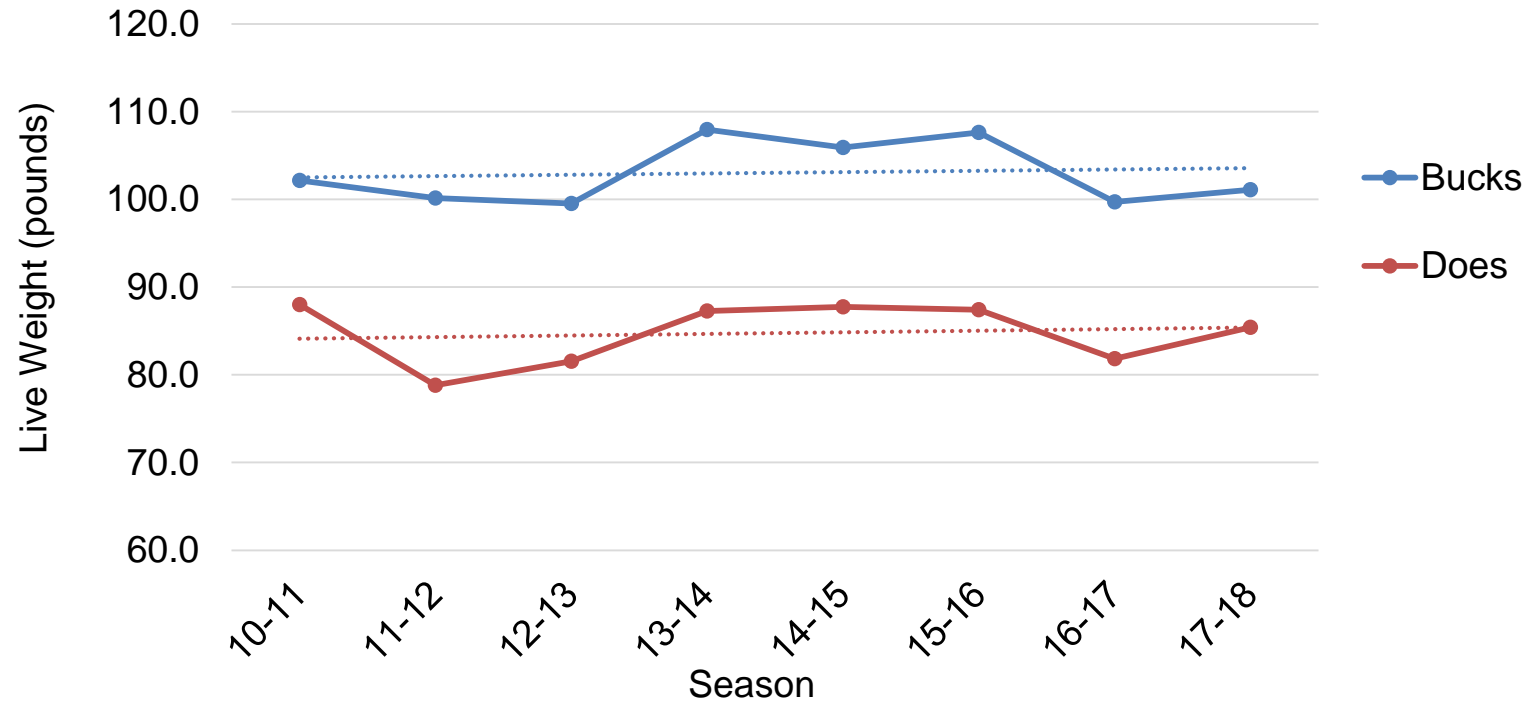
U.S. ARMY

# 2017-2018 Deer Harvest Summary Report



## Annual Trends

### Average Live Weights of Yearling Deer



Tracking the weights of yearling deer from year to year is one way the NRB evaluates herd health and habitat quality. This is one reason for requiring submission of jawbones from all harvested deer. Thanks to everyone who submitted jawbones.



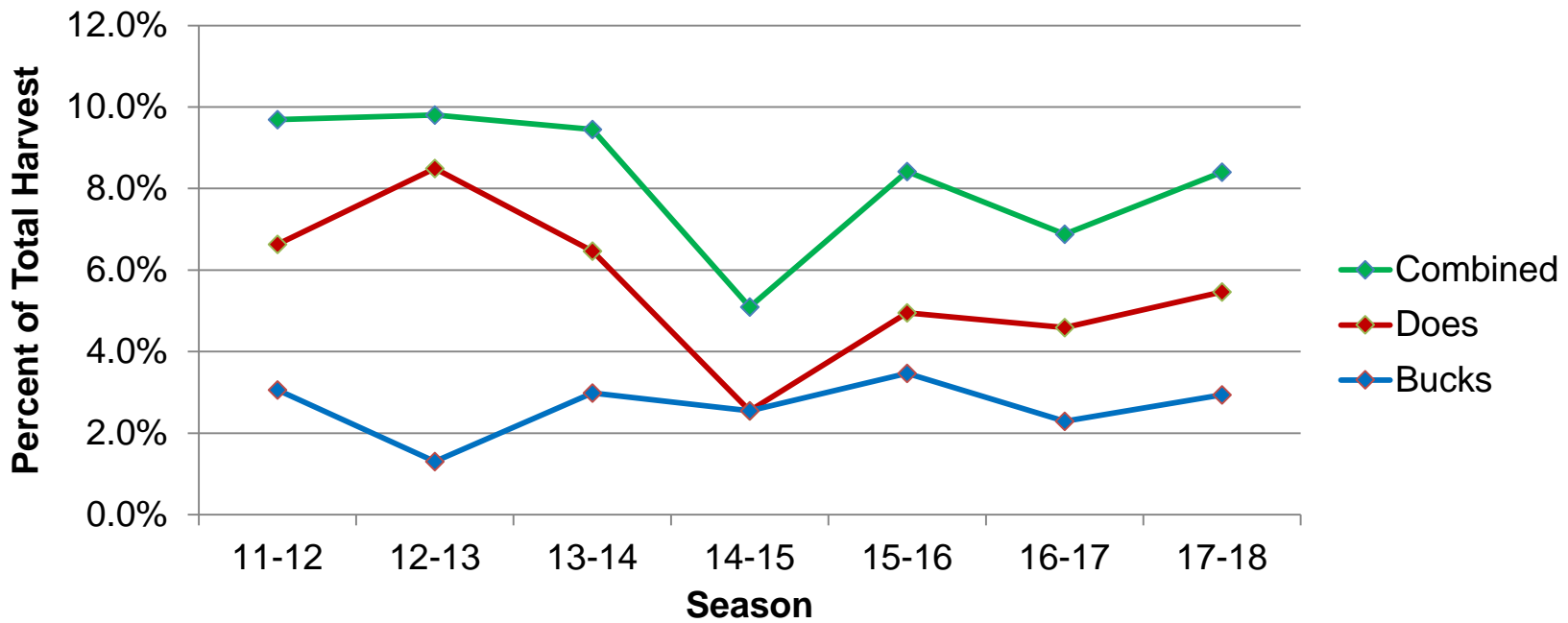
U.S. ARMY

# 2017-2018 Deer Harvest Summary Report



## Annual Trends

### Fawn Harvest Trend



While most hunters would agree that limiting fawn harvest would help grow the population, having some fawns in the harvest is not all bad. The percent of fawns in the harvest can be used as an index of population status and growth rate. More fawns in the harvest may indicate more fawns in the population.



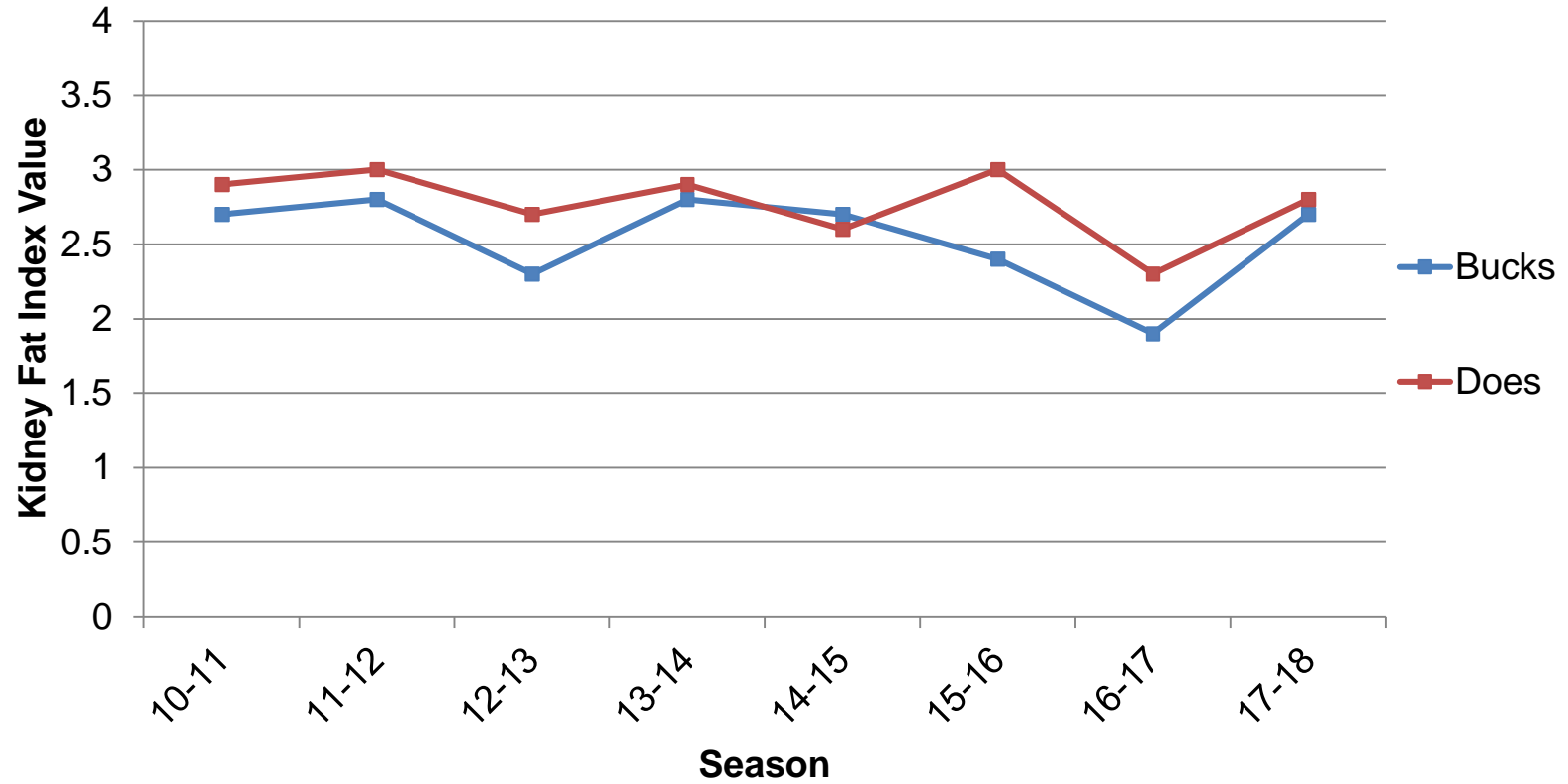
U.S. ARMY

# 2017-2018 Deer Harvest Summary Report



## Annual Trends

### Average Kidney Fat Index



While many factors such as pregnancy, lactation, rut, habitat, etc. can effect a deer's kidney fat, having a stable KFI trend between 2.5 – 3 shows that overall herd health is good.  
 (See slide 11 for an explanation of Kidney Fat Index)



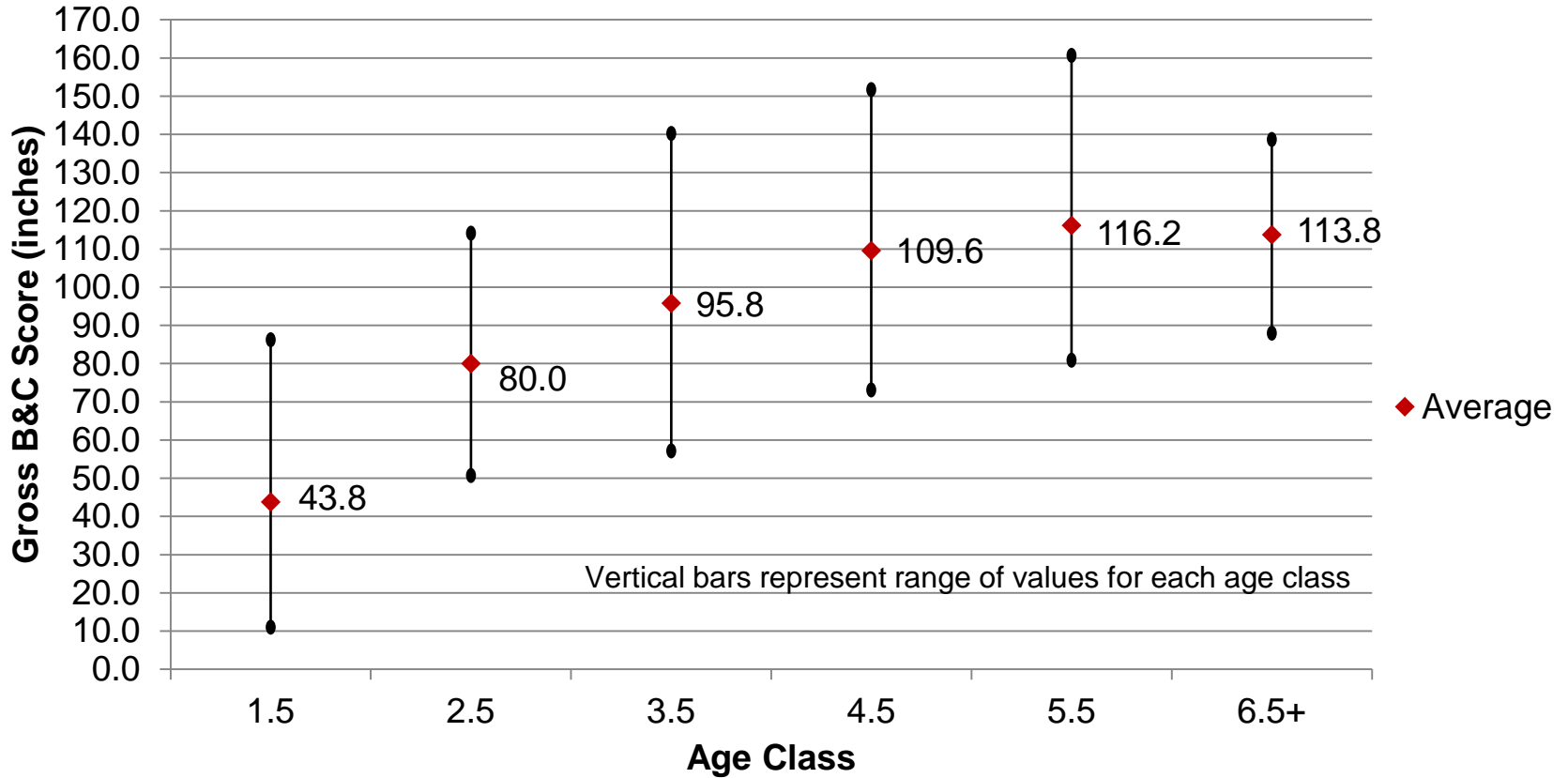
U.S. ARMY

# 2017-2018 Deer Harvest Summary Report



## Antler Data Summary (2009-Current)

### Average Gross B&C Score by Age Class





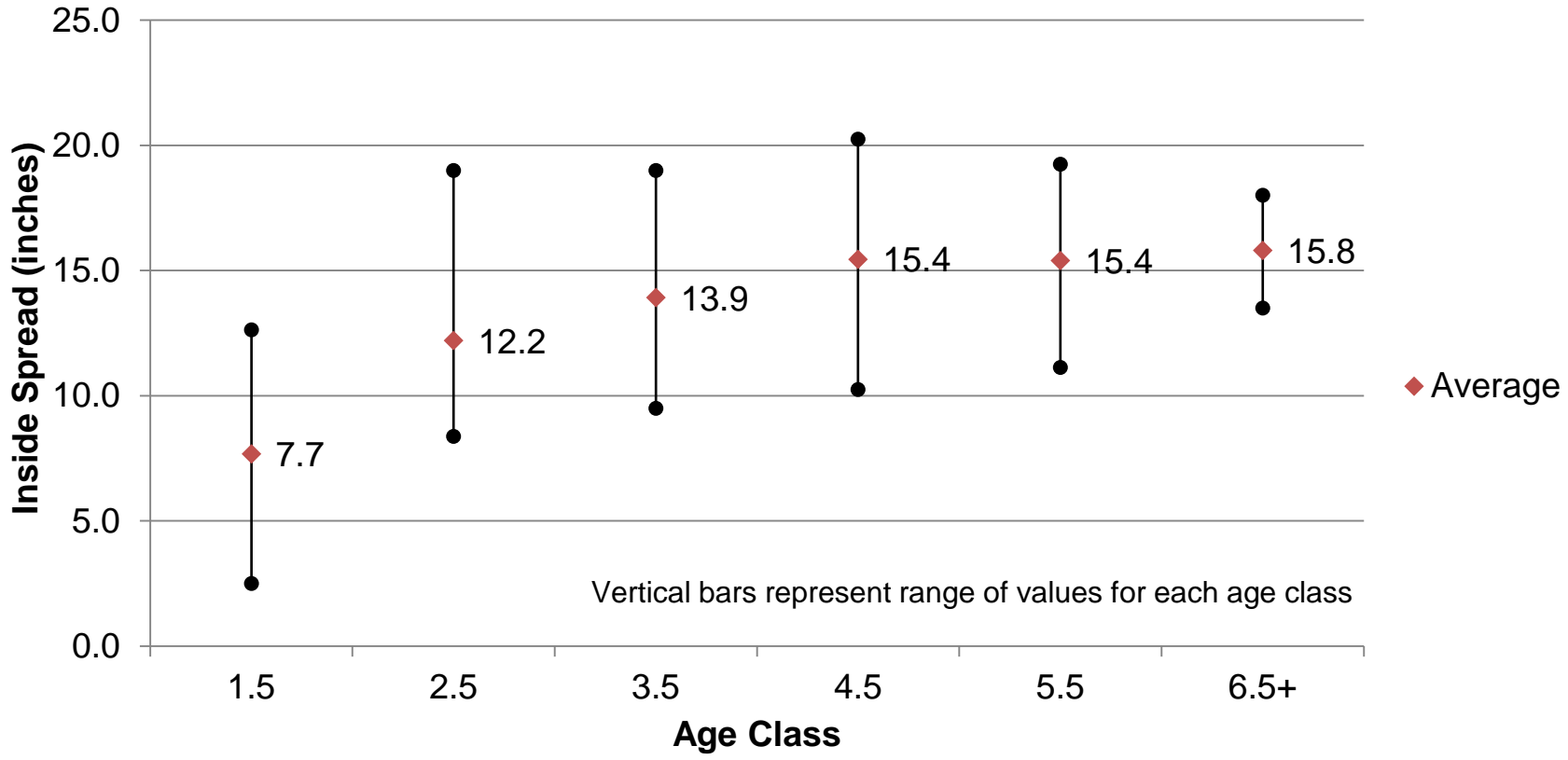
U.S. ARMY

# 2017-2018 Deer Harvest Summary Report



## Antler Data Summary (2009-Current)

### Inside Spread by Age Class





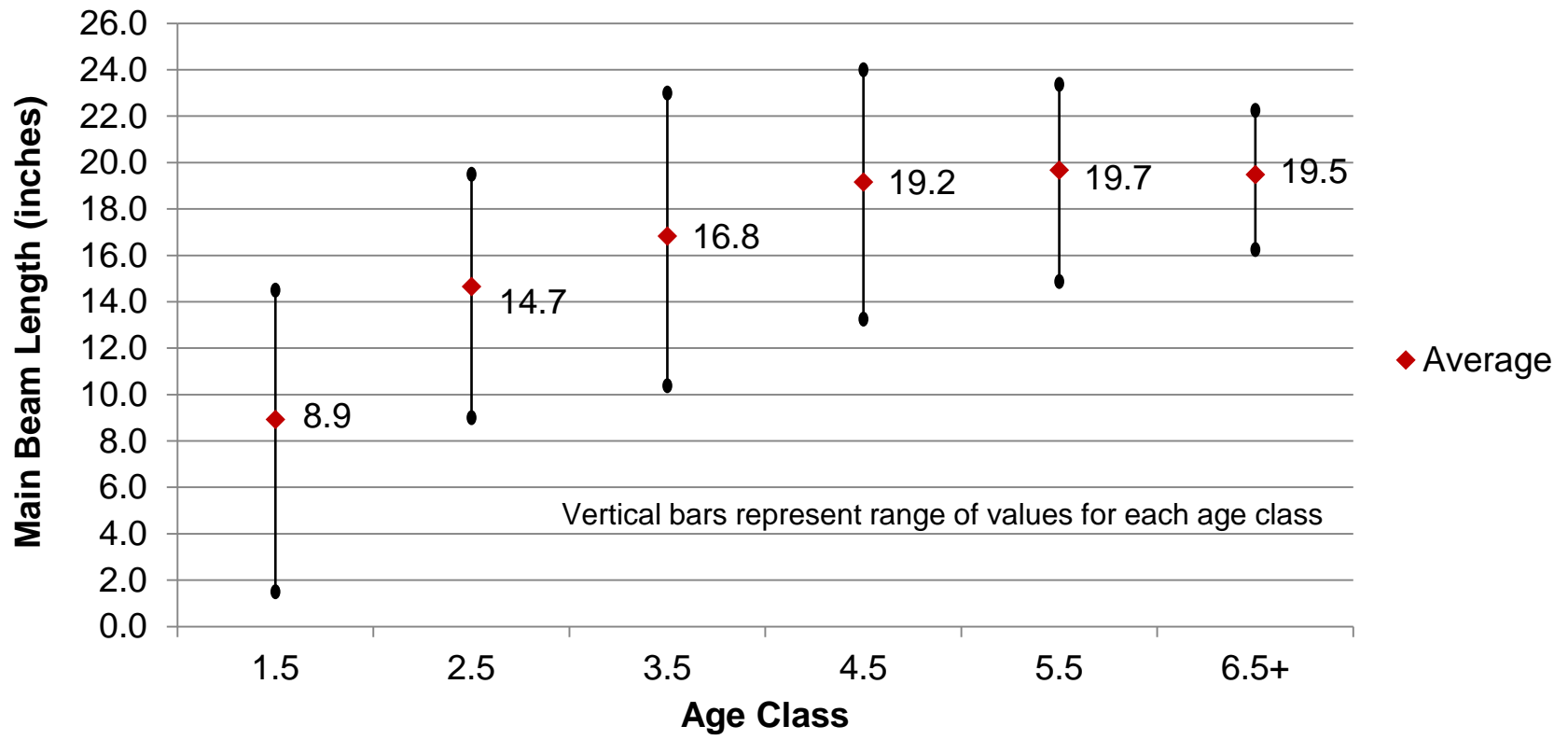
U.S. ARMY

# 2017-2018 Deer Harvest Summary Report



## Antler Data Summary (2009-Current)

### Average Main Beam Lengths by Age Class





U.S. ARMY

# 2017-2018 Deer Harvest Summary Report



## Peak Conception Dates

- Based on fetus data collected since 2010 the average date of conception is **2 November**
- The range is 11 October to 1 December, with approximately 2/3 of conceptions falling in the first half of this range







U.S. ARMY

# 2017-2018 Deer Harvest Summary Report



## Questions?

If you have questions or comments regarding data represented in these slides please email: [michael.juhan.civ@mail.mil](mailto:michael.juhan.civ@mail.mil)





U.S. ARMY



# INSTALLATION MANAGEMENT COMMAND

SUSTAIN, SUPPORT, DEFEND