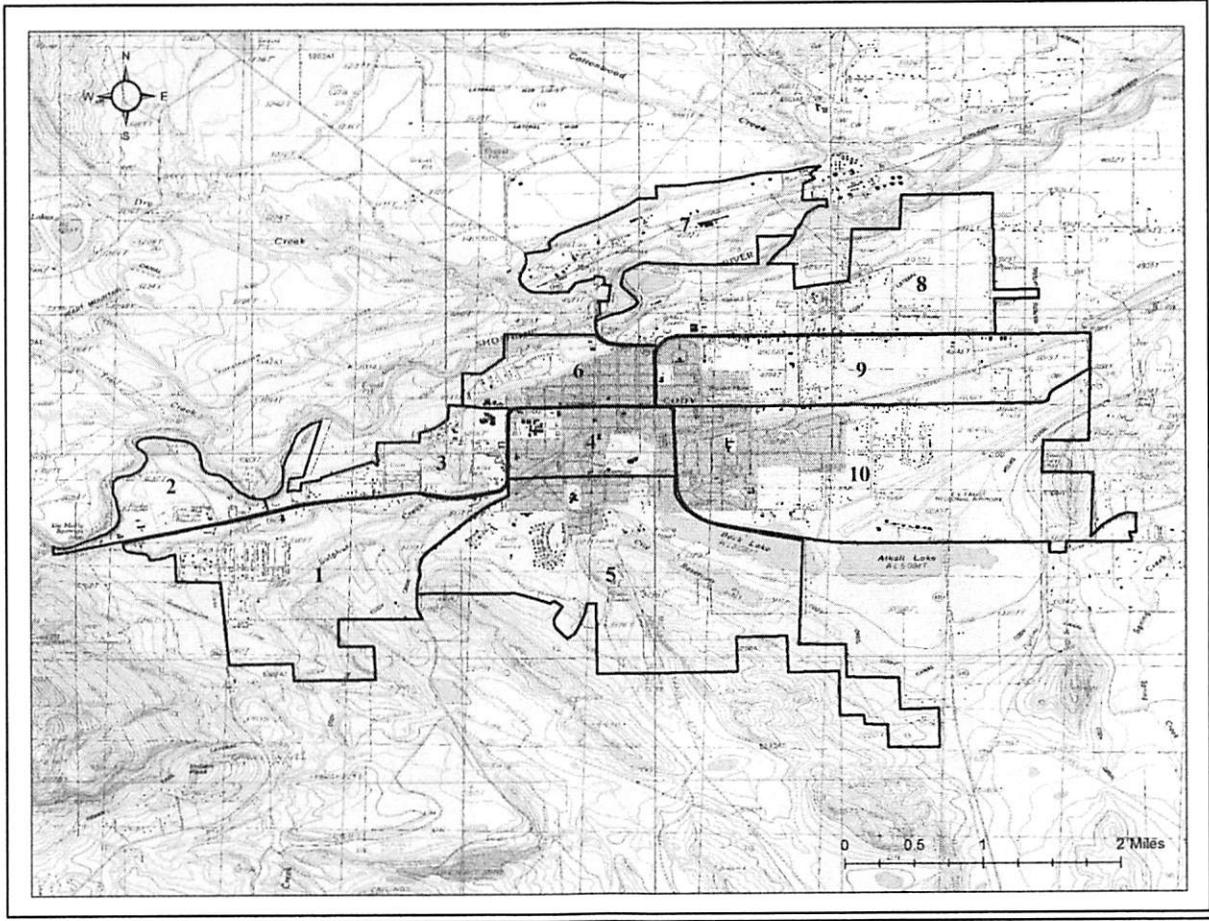


CODY URBAN DEER CLASSIFICATION/TREND SURVEY – 2017

Summary of 2017 Efforts

On 12/07/2017 10 WGFD personnel conducted a classification/trend survey of deer within the city limits of Cody. The city was broken out into 10 Count Blocks (Figure 1), and all deer encountered were classified into sex/age categories (adult buck, yearling buck, doe, fawn). Surveys were initiated at approximately 2:00pm and continued until dark, approximately 5:00pm.

Figure 1. Cody urban deer survey count blocks.



Results of 2017 Survey

Date: 12/07/2017

Observers: Hochhalter, Hodges, Herburger,
Skorupski, D. Smith, Swanson, Woolley, Mayton,
Sorensen, Winter

Mule Deer Observations

Table 1. 2017 observation data for all count blocks.

| Location | Ad Bucks | Yrl Bucks | Does | Fawns | Unknown | Total |
|--------------------------------------|----------|-----------|------|-------|---------|-------|
| CB1 | 7 | 1 | 17 | 3 | 0 | 28 |
| CB2 | 0 | 0 | 4 | 5 | 0 | 9 |
| CB3 | 1 | 0 | 7 | 6 | 0 | 14 |
| CB4 | 3 | 0 | 3 | 2 | 0 | 8 |
| CB5 | 9 | 2 | 17 | 9 | 0 | 37 |
| CB6 | 0 | 1 | 6 | 1 | 0 | 8 |
| CB7 | 2 | 4 | 12 | 11 | 0 | 29 |
| CB8 | 4 | 0 | 12 | 6 | 0 | 22 |
| CB9 | 1 | 0 | 14 | 15 | 0 | 30 |
| CB10 | 12 | 5 | 24 | 16 | 0 | 57 |
| TOTAL | 39 | 13 | 116 | 74 | 0 | 242 |
| 45 bucks:100 does, 64 fawns:100 does | | | | | | |

A total of 242 mule deer were observed within the City Limits of Cody. Mule deer fawn:doe ratios were 64:100 in the City Limits. Total buck ratios were 45:100 in the city limits. Yearling buck ratios were 11:100 in the city limits.

Summary of Historical Data

The total number of deer observed in the city limits from 2011 to 2017 has not varied substantially but is showing a decreasing trend over the last 3 years (Table 2, Figure 2). The 2017 count was slightly down from 2016 (258) and the average (273). Within each count block we saw a decrease in total deer counted in 4 count blocks compared to increases in 6 count blocks (Figure 3). Despite a slight decrease in overall numbers, we continued to see an increase in buck ratios from 37 in 2016 to 45 in 2017.

Mule Deer Counts

Table 2. Historical total count data within each Cody count block from 2011 to 2017.

| Count Block | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 |
|-------------|------|------|------|------|------|------|------|
| 1 | 35 | 42 | 59 | 57 | 60 | 19 | 28 |
| 2 | 0 | 0 | 0 | 24 | 9 | 0 | 9 |
| 3 | 68 | 41 | 49 | 0 | 26 | 32 | 14 |
| 4 | 25 | 16 | 12 | 11 | 15 | 5 | 8 |
| 5 | 56 | 46 | 43 | 32 | 43 | 29 | 37 |
| 6 | 10 | 18 | 9 | 22 | 33 | 25 | 8 |
| 7 | 42 | 25 | 27 | 0 | 0 | 49 | 29 |
| 8 | 1 | 8 | 18 | 31 | 34 | 17 | 22 |
| 9 | 20 | 33 | 26 | 7 | 22 | 31 | 30 |
| 10 | 50 | 30 | 49 | 84 | 41 | 51 | 57 |
| Total | 307 | 259 | 292 | 268 | 283 | 258 | 242 |

Figure 2. Total numbers of mule deer counted in all Cody count blocks from 2011 to 2017. This figure shows overall change in deer numbers between years.

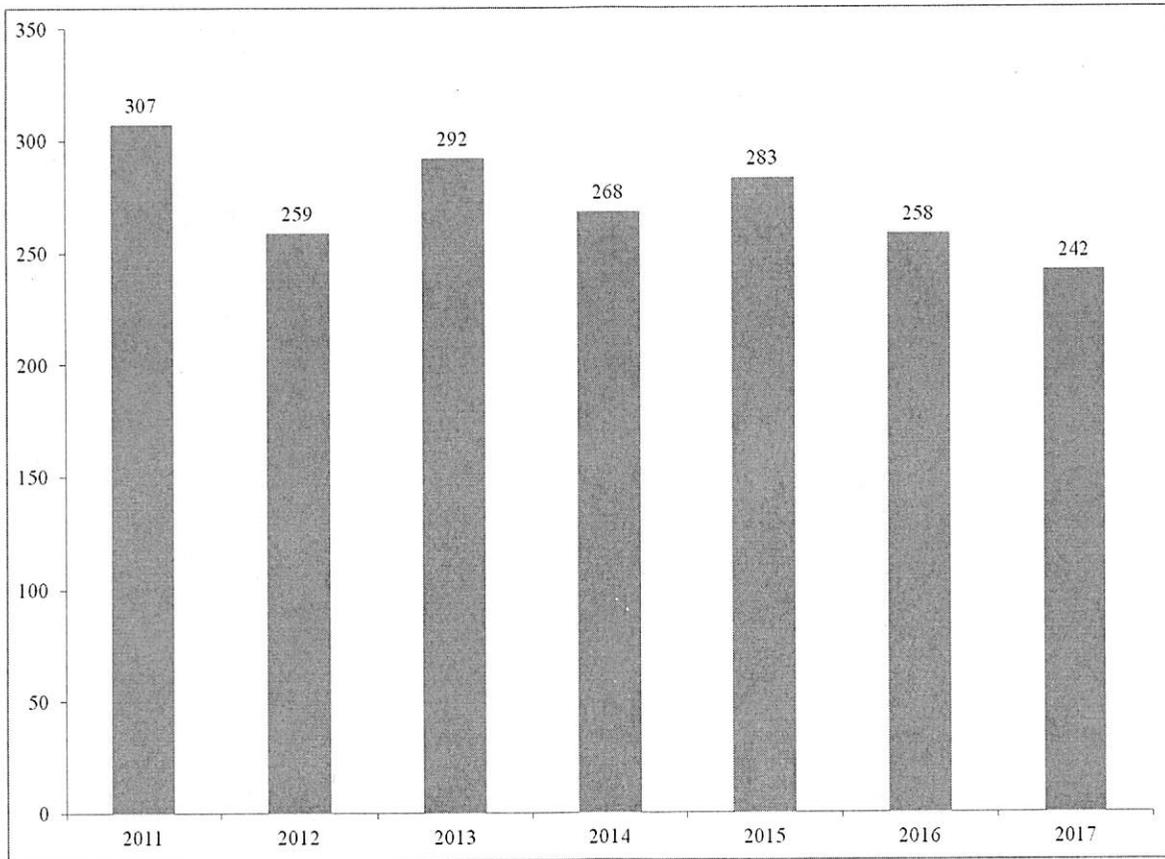
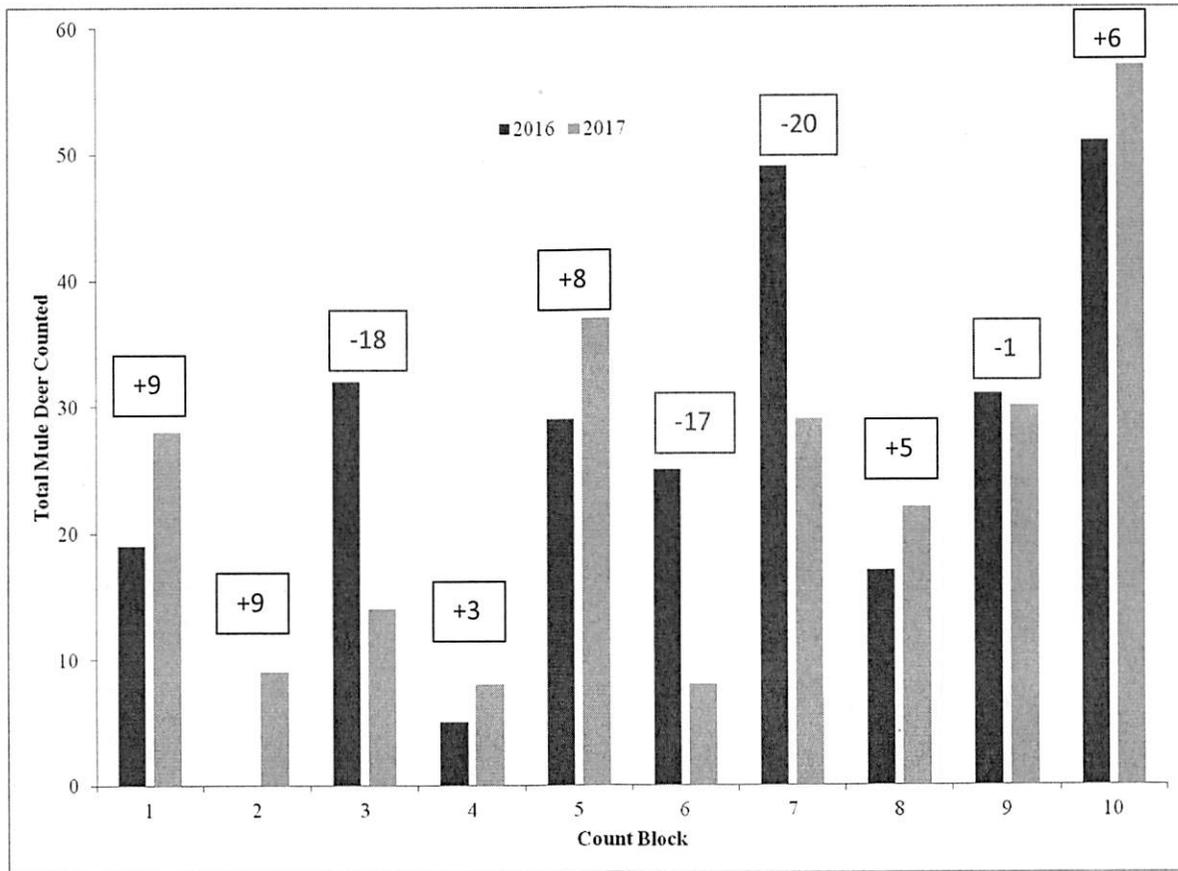


Figure 3. Count block data from 2016 to 2017. This figure shows change in deer numbers within each count block from 2016 to 2017. Shown above each count block is the change between years (black = increase in numbers, red = decrease in numbers).



White-Tailed Deer Counts

| Count Block | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 |
|--------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| 1 | 0 | 2 | 4 | 0 | 7 | 1 | 0 |
| 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 7 | 0 | 0 | 0 | 0 | 0 | 2 | 0 |
| 8 | 0 | 0 | 0 | 4 | 0 | 0 | 0 |
| 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total | 0 | 2 | 4 | 4 | 7 | 3 | 0 |