2015 PCMS Hunting Report

February 2016
Important notes:

- All the Boone and Crockett (B&C) data was collected by the individual hunter, not PCMS staff. Therefore, B&C scores are subject to variation. All B&C scores and calculations are reviewed by staff and the calculations are corrected when necessary.

- This report was prepared solely to share the hunting data collected on PCMS and not to provide any statistical analysis. Statistical analysis was not performed because the sample sizes (n) were generally too small, and there was too great a degree of variation in the data collection method to provide accurate statistical analysis.

- All the B&C numbers used in this report are derived from the gross scores and not the final (adjusted) scores. Final scores are usually lower than gross scores because when calculating the final score, points are deducted for asymmetry. The exception to this is when scoring an atypical animal. The PCMS biologists focus more on overall size, than symmetry, when considering management options.

- The average was calculated using all the acceptable B&C scores (the highest and lowest scores were not dropped). This year 100% of hunters turned in their B&C data. The bull elk harvested during the muzzleloader season was a spike. Since there is not an actual score for a spike, it was not included in most of the B&C calculations. However, since the spike B&C score was assumed to be less than 250 points, it was included when determining the percent of bulls over 250 points.
## MULE DEER

### Rifle Data (142 only)
- Total number of buck permits: 20
- Total number of hunters that showed: 14
- Percent of hunters that showed: 70%
- # Bucks harvested (rifle): 14
- Buck success rate (rifle): 100%
- Average B&C Size (rifle): 167.08

- Total number of doe permits: 20
- Total number that showed: 17
- Percent of hunters that showed: 85%
- # Does harvested: 12
- Doe success rate: 70.5%

### Muzzleloader (142 only)
- Total number of buck permits: 15
- Total number that showed: 13
- Percent of hunters that showed: 86.6%
- # ML Bucks Harvested: 2
- ML buck success rate: 15%
- Average size: 140

- Total number of doe permits: 10
- Total number that showed: 4
- Percent of hunters that showed: 40%
- # does harvested: 1
- ML doe success rate: 25%

### Archery (142 only)
- Total number of tags (either sex): 25
- Total number that showed: 23
- Percent of hunters that showed: 92%
- # bucks harvested: 9
- # does harvested: 0
- Hunter success rate: 31%
- Average B&C (archery): 159.36

## ELK

### Rifle Data (2d & 3d season OTC multi-unit)
- Total number of bull elk permits: -
- Total number of bull hunters: 22
- Percent of hunters that showed up: -
- # Bulls harvested: 7
- Bull elk success rate: 32%
- Average rifle B & C size: 227.8

### Rifle Data (4th season multi-unit)
- Total number of bull elk permits: 29
- Total number of hunters at PCMS: 12
- Percent of hunters at PCMS: 41.3%
- # Bulls harvested: 2
- Bull elk (4th season) success rate: 16.6%
- Average rifle B & C size: 301.5

### Rifle Cow elk (142 only)
- Total number of cow permits: 25
- Total number of cow hunters: 18
- Percent of hunters that showed: 72%
- # Cows harvested: 0
- Cow elk success rate: 0%

### Muzzleloader (multi-unit)
- Total number of permits: 9
- Total number that showed: 4
- Percent of hunters that showed: 44%
- # ML elk harvested (bull): 1
- ML success rate: 25%
- Average size: spike

### Archery (multi-unit OTC)
- Total number of permits OTC: -
- Total number of hunters that showed: 10
- # Bulls harvested: 0
- # Cows harvested: 0
- Archery success rate: 0%
- Average B&C (archery): 0

### All Seasons
- Total # bucks harvested: 25
- Average size: 162.14
- % with B & C > 150: 15%
- Total # does: 11
- Total # bulls harvested: 10
- Average size: 244.18
- % with B & C > 250: 60%
- Total # cows: 0
PRONGHORN ANTELOPE

Rifle (142 only)
- Total number of buck permits: 20
- Total number of hunters that showed: 19
- Percent of hunters that showed: 95%
- # Bucks harvested (rifle): 15
- Buck success rate (rifle): 79%
- Average B&C Size (rifle): 73.38
- Total number of doe permits: 10
- Total number that showed: 9
- Percent of hunters that showed: 90%
- # Does harvested: 8
- Doe success rate: 88.8%

Muzzleloader (multi-unit)
- Total number of buck permits: 50
- Total number that showed: 13
- Percent of hunters that showed: 26%
- # ML Bucks Harvested: 10
- ML buck success rate: 76.9%
- Average B&C size: 70.95
- Total number of doe permits: 36
- Total number that showed: 4
- Percent of hunters that showed: 11.11%
- # does harvested: 2
- ML doe success rate: 50%

Archery (multi-unit OTC)
- Total number of tags (either sex): OTC
- Total number that showed: 4
- Percent of hunters that showed: n/a
- # bucks harvested: 1
- # does harvested: 0
- Hunter success rate (bucks): 25%
- Average B&C size: 58.88

All Seasons
- Total # bucks harvested: 26
- Average size: 71.89
- % with B & C > 70: 14
- Total # does: 10

BIG HORN SHEEP

Rifle (Unit S-61)
- Total number of ram permits: 3
- Total number of hunters that showed: 2
- Percent of hunters that showed: 66%
- # Rams harvested (rifle): 1
- Ram success rate (rifle): 50%

OTHER GAME

Several other species were harvested on PCMS including coyotes (20), bobcats (3), grey fox (3), rabbits (19), turkey (3) and scaled quail (4).
## PCMS Historical B&C Data and Harvest Numbers

### Deer Harvest Data

<table>
<thead>
<tr>
<th>Year</th>
<th>Archery Deer</th>
<th>Muzzleloader Deer</th>
<th>Rifle Deer</th>
<th>Total Deer</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>N</td>
<td>Avg B&amp;C</td>
<td>N</td>
<td>Avg B&amp;C</td>
</tr>
<tr>
<td>1989</td>
<td>0</td>
<td>-</td>
<td>N/A</td>
<td>-</td>
</tr>
<tr>
<td>1990</td>
<td>N/A</td>
<td>-</td>
<td>N/A</td>
<td>-</td>
</tr>
<tr>
<td>1991</td>
<td>N/A</td>
<td>-</td>
<td>N/A</td>
<td>-</td>
</tr>
<tr>
<td>1992</td>
<td>3</td>
<td>-</td>
<td>N/A</td>
<td>-</td>
</tr>
<tr>
<td>1993</td>
<td>N/A</td>
<td>-</td>
<td>N/A</td>
<td>-</td>
</tr>
<tr>
<td>1994</td>
<td>N/A</td>
<td>-</td>
<td>N/A</td>
<td>-</td>
</tr>
<tr>
<td>1995</td>
<td>N/A</td>
<td>-</td>
<td>N/A</td>
<td>-</td>
</tr>
<tr>
<td>1996</td>
<td>N/A</td>
<td>-</td>
<td>N/A</td>
<td>-</td>
</tr>
<tr>
<td>2011</td>
<td>2</td>
<td>137.25</td>
<td>0</td>
<td>-</td>
</tr>
<tr>
<td>2012</td>
<td>7*</td>
<td>112.33</td>
<td>7</td>
<td>132.14</td>
</tr>
<tr>
<td>2013</td>
<td>4**</td>
<td>130.90</td>
<td>3</td>
<td>131.41</td>
</tr>
<tr>
<td>2014</td>
<td>7</td>
<td>145.67</td>
<td>4</td>
<td>114.53</td>
</tr>
<tr>
<td>2015</td>
<td>9</td>
<td>159.36</td>
<td>2</td>
<td>140</td>
</tr>
</tbody>
</table>

*Some B&C scores were missing/not submitted

**One plains buck accidentally harvested on PCMS**

### Elk Harvest Data

<table>
<thead>
<tr>
<th>Year</th>
<th>Archery Elk</th>
<th>Muzzleloader Elk</th>
<th>OTC &amp; Draw Rifle Elk</th>
<th>Total Elk</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>n</td>
<td>Avg B&amp;C</td>
<td>n</td>
<td>Avg B&amp;C</td>
</tr>
<tr>
<td>2011</td>
<td>1</td>
<td>*</td>
<td>1</td>
<td>*</td>
</tr>
<tr>
<td>2012</td>
<td>1</td>
<td>258.00</td>
<td>1</td>
<td>297.50</td>
</tr>
<tr>
<td>2013</td>
<td>0</td>
<td>0.00</td>
<td>2</td>
<td>272.75</td>
</tr>
<tr>
<td>2014</td>
<td>1</td>
<td>281.75</td>
<td>0</td>
<td>-</td>
</tr>
<tr>
<td>2015</td>
<td>0</td>
<td>0</td>
<td>1</td>
<td>spike</td>
</tr>
</tbody>
</table>

* No B&C scores collected
** 8 harvested but only 7 B&C scores available
*** 12 harvested but 4 were spikes thus not included in BC average

*2015 Muzzleloader elk was a spike-no B&C*
## PCMS Historical B&C Data and Harvest Numbers

### Archery Pronghorn vs Muzzleloader Pronghorn

<table>
<thead>
<tr>
<th>Year</th>
<th>Archery Pronghorn</th>
<th>Muzzleloader Pronghorn</th>
<th>Rifle Pronghorn</th>
<th>Total Pronghorn</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>n</td>
<td>Avg B&amp;C</td>
<td>n</td>
<td>Avg B&amp;C</td>
</tr>
<tr>
<td>2011</td>
<td>2</td>
<td>*</td>
<td>5</td>
<td>*</td>
</tr>
<tr>
<td>2012</td>
<td>2</td>
<td>71.93</td>
<td>2</td>
<td>60.00</td>
</tr>
<tr>
<td>2013</td>
<td>2</td>
<td>63.37</td>
<td>1</td>
<td>70.50</td>
</tr>
<tr>
<td>2014</td>
<td>3</td>
<td>65.37</td>
<td>5</td>
<td>65.8</td>
</tr>
<tr>
<td>2015</td>
<td>1</td>
<td>58.87</td>
<td>10</td>
<td>70.95</td>
</tr>
</tbody>
</table>

### Rifle Pronghorn Horn Length 1989 - 2015

<table>
<thead>
<tr>
<th></th>
<th></th>
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<th></th>
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<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td># Horns measured</td>
<td>27</td>
<td>38</td>
<td>33</td>
<td>41</td>
<td>36</td>
<td>37</td>
<td>36</td>
<td>n/a</td>
<td>28</td>
<td>13</td>
<td>n/a</td>
<td>11</td>
<td>26</td>
</tr>
<tr>
<td>Avg Horn Length</td>
<td>10.52</td>
<td>12.06</td>
<td>12.13</td>
<td>12.13</td>
<td>12.56</td>
<td>12.5</td>
<td>12.2</td>
<td>n/a</td>
<td>12.21</td>
<td>12.86</td>
<td>n/a</td>
<td>13.4</td>
<td>13.08</td>
</tr>
</tbody>
</table>

**Note:**

From 1989 to 1997 the B&C scores were calculated by adding the horn lengths, basal circumferences and length of prongs. The B&C score method eventually changed to include the above and also circumferences at four points along each horn, tip to tip spread and the inside spread. In order to compare this historical data and the current data, only the horn lengths are used.
Gross Average B&C Scores 2015

- Average Deer B&C: 152.14
- % Deer > 150 points: 60.00
- Average Elk B&C: 244.18
- % Elk > 250 points: 60.00
- Average Pronghorn B&C: 71.88
- % Pronghorn > 70 points: 53.34
Average Gross B&C Score by Season 2015

Note: The numbers in parenthesis represent the number of bulls/bucks harvested.
Mule Deer Permit and Harvest Data

Rifle Buck 100% success
Rifle Doe 58.8% success
Muzzleloader Buck 15% success
Muzzleloader Doe 25% success
Archery (either sex) 31% success
Note: During Muzzleloader season the reduced gate hours may have impacted hunter success. The gate was only open during business hours and was closed on weekend.
Downrange Daily Passes Issued by Month

- September 8, 2015: 130
- October 2015: 541
- November 2015: 400
- December 2015: 271
- January 31, 2016: 32

Total down range passes issued from 9/8/2015 through 1/31/2016 is 1284.
Downrange pass data from 4/1/2015 through 9/7/2015 is archived in the old iSportsman system and not currently available.
Downrange Daily Passes by Activity

1328 passes issued September 8 to January 31
Downrange Daily Passes for Mule Deer by Season

Note: This chart does not reflect the number of individual hunters, but the number of times that each hunter accessed PCMS by deer season. There were 453 daily down range passes issued to 71 different deer hunters. Also, it is possible that a hunter could carry tags for multiple seasons.
NOTE: This chart does not reflect the number of individual hunters, but the number of times that each hunter accessed PCMS by elk season. There were 389 daily down range passes issued to 38 different elk hunters. Also, it is possible that an individual hunter could carry tags for multiple seasons.
Downrange Daily Passes for Pronghorn by Season

Note: This chart does not reflect the number of individual hunters, but the number of times that each hunter accessed PCMS. There were 101 daily down range passes issued to 49 different pronghorn hunters. Note, it is possible that a hunter could carry tags for multiple seasons.