

# Sublette County Related Hunting and Fishing Spending, 2015

For the Wyoming Wildlife Federation

David T. Taylor & Thomas Foulke

February 2017







WYOMING GEOGRAPHIC INFORMATION SCIENCE CENTER www.uwyo.edu/wygisc (307) 766-2532 wygisc@uwyo.edu

#### **Introduction**

Expenditures by hunters and anglers make an important contribution to Wyoming's economy. This contribution is particularly important during times of economic downturn in the state's energy sectors. The U.S. Fish and Wildlife Service (USFWS), in its National Survey of Fishing, Hunting, and Wildlife-Associated Recreation report, estimates that 443,000 resident and nonresident hunters and anglers participated in 4.8 million days hunting and fishing in Wyoming during 2011 (Table 1). The report also estimates that during 2011 this recreational activity generated \$683.7 million of spending within the Wyoming economy.

Access to both public and private lands is important for hunting and fishing in Wyoming. For hunting, the USFWS report estimates that 49 percent of hunters in Wyoming hunt exclusively on public land, 35 percent hunt on both public and private land, and 16 percent hunt exclusively on private land. Overall, more than one-third of hunters in Wyoming hunt on both public and private lands.

Although the statewide information on hunting and fishing expenditures is important, residents and local officials are also interested in the local economic importance of hunting and fishing expenditures. In response to this interest, this analysis attempts to estimate the spending associated with hunting and fishing for Sublette County, Wyoming.

### **Methodology**

In order to estimate recreational spending, two types of information are needed. One is the amount of recreational use and the other is per unit expenditures associated with that recreational use. For this analysis recreational use for hunting was based on the hunter-day estimates from the Wyoming Game and Fish Department's 2015 Annual Harvest Reports by Hunt Area. Harvest reports were available for the following species: Antelope, Bighorn Sheep, Bison, Black Bear, Deer, Elk, Moose, and Mountain Goat.

Because Hunt Area boundaries are based on habitat rather than county boundaries, not all the Hunt Areas found in Sublette County are located entirely within the borders of the county. To account for this, a GIS analysis was conducted by the Wyoming Geographic Information Science Center at the University of Wyoming to estimate the percent of each Hunt Area that was located within Sublette County. This percentage was then used to allocate the proportion of total hunter days for the Hunt Area in Sublette County. These percentages by hunt area are detailed in the maps at the end of this report. Unfortunately, there was no data available on fishing-days by sub-regions of the state. Because of this, recreational use for fishing was based on the Game and Fish Department's 2015 data on fishing licenses sold in Sublette County.

In order to estimate per unit expenditures for hunting and fishing in this analysis, per unit estimates for Wyoming from the USFWS 2011 National Survey of Fishing, Hunting, and Wildlife-Associated Recreation report were used. These values were adjusted for inflation to 2015 dollars. Combining the recreational use amounts with the per unit of expenditures amounts provided estimates for hunting and fishing spending related to Sublette County. Since the USFWS expenditure estimates are for all of Wyoming,

not just Sublette County and because the fishing associated with the purchase of a Wyoming fishing license in Sublette County can occur throughout the state, it is not possible to assume that 100 percent of these expenditures solely occurred within the Sublette County economy. However, based on proximity it seems more than likely that a high percentage of these expenditures occurred within the county's economy.

## **Results**

Table 2 summaries the estimates of Sublette County related to hunting and fishing spending for 2015. From Game and Fish Hunt Area data it is estimated that there were nearly 92,000 Big Game and Trophy Game hunting days in Sublette County in 2015. Based on USFWS expenditure estimates for Wyoming, adjusted to 2015 dollars (\$90.91 per day for residents and \$579.82 per day for nonresidents), it is estimated that these hunter-days generated spending of \$15.5 million. Information on the hunter-days by individual species can found in the Appendix tables in this report.

Fishing license sales data indicated that nearly 13,000 fishing licenses were sold in Sublette County in 2015. From USFWS data for average fishing days in Wyoming, it is estimated that the users of these fishing licenses participated in more than 58,000 angler-days in Wyoming. The expenditures associated with these fishing licenses are estimated to be \$6.7 million. This spending estimate was developed by using USFWS annual individual expenditures in Wyoming by anglers for annual fishing licenses and USFWS daily individual expenditures in Wyoming by anglers for daily fishing licenses. Since USFWS expenditure data only applies to hunters and anglers 16 years-of-age and over, youth annual license sales, which are for ages 14-18, were reduced by 50 percent to account for anglers less than 16 years-of-age. Combined total hunting and fishing related spending related to Sublette County in 2015 is estimated to be \$22.2 million.

## Summary and Conclusions

Hunting and fishing are economically important to the Sublette County economy. It is likely that much of the \$22.2 million of spending by hunters and anglers occurs within the Sublette County economy. In addition, those dollars that are spent locally generate secondary impacts in various other support sectors within the local economy. These types of economic contributions become particularly important during times of economic downturn in the state's energy sector. The popularity of hunting and fishing with both residents and nonresidents indicates that these recreational activities are important in terms of both contributions to the local economy and contributions to the residents' quality of life.

| Participation [Variable]  | Total   | Resident   | Nonresident   | Resident                     | Nonresident                     |
|---|---|--|---|------------------------------|---------------------------------|
|   | Fishing   | Fishing  | Fishing   | Fishing                      | Fishing                         |
| Total Individuals   | 303,000   | 110,000  | 193,000   | 36.3%                        | 63.7%                           |
| Total Trips   | 2,902,000   | 1,510,000  | 1,392,000   | 52.0%                        | 48.0%                           |
| Total Days  | 3,123,000   | 2,009,000  | 1,114,000   | 64.3%                        | 35.7%                           |
| Average Days  | 10.3  | 18.3   | 5.8   |                              |                                 |
|   | Total   | Resident   | Nonresident   | Resident                     | Nonresident                     |
|   | Hunting   | Hunting  | Hunting   | Hunting                      | Hunting                         |
| Total Individuals   | 140,000   | 76,000   | 64,000  | 54.3%                        | 45.7%                           |
| Total Trips   | 1,204,000   | 978,000  | 225,000   | 81.2%                        | 18.7%                           |
| Total Days  | 1,726,000   | 1,103,000  | 623,000   | 63.9%                        | 36.1%                           |
| Average Days  | 12.3  | 14.5   | 9.7   |                              |                                 |
| Source: USFWS, 20<br>(Wyoming   |   |  |   |                              |                                 |
| 2011 Trip and Equip   | oment Expenditure   | es in Wyoming  |   |                              |                                 |
|   | Total   | Resident   | Nonresident   | Resident                     | Nonresident                     |
|   | Fishing   | Fishing  | Fishing   | Fishing                      | Fishing                         |
|   | 4400 000 000  |  | 6242 527 000  | 24 70/                       |                                 |
| Total Amount  | \$438,892,000   | \$95,365,000   | \$343,527,000   | 21.7%                        | 78.3%                           |
| Total Amount<br>Per Individual  | \$438,892,000<br>\$1,448.49   | \$95,365,000<br>\$866.95   | \$343,527,000<br>\$1,779.93   | 21.7%                        | 78.3%                           |
|   |   |  |   | 21.7%                        | 78.3%                           |
| Per Individual  | \$1,448.49  | \$866.95   | \$1,779.93  | 21.7%                        | 78.3%                           |
| Per Individual<br>Per Trip  | \$1,448.49<br>\$151.24  | \$866.95<br>\$63.16  | \$1,779.93<br>\$246.79  |                              | 78.3%<br>Nonresident            |
| Per Individual<br>Per Trip  | \$1,448.49<br>\$151.24<br>\$140.54  | \$866.95<br>\$63.16<br>\$47.47   | \$1,779.93<br>\$246.79<br>\$308.37  |                              | Nonresident                     |
| Per Individual<br>Per Trip  | \$1,448.49<br>\$151.24<br>\$140.54<br>Total   | \$866.95<br>\$63.16<br>\$47.47<br>Resident   | \$1,779.93<br>\$246.79<br>\$308.37<br>Nonresident   | Resident                     | Nonresident<br>Hunting          |
| Per Individual<br>Per Trip<br>Per Day<br>Total Amount                               | \$1,448.49<br>\$151.24<br>\$140.54<br>Total<br>Hunting  | \$866.95<br>\$63.16<br>\$47.47<br>Resident<br>Hunting  | \$1,779.93<br>\$246.79<br>\$308.37<br>Nonresident<br>Hunting  | Resident<br>Hunting          | Nonresident<br>Hunting          |
| Per Individual<br>Per Trip<br>Per Day<br>Total Amount<br>Per Individual             | \$1,448.49<br>\$151.24<br>\$140.54<br>Total<br>Hunting<br>\$244,865,000                                       | \$866.95<br>\$63.16<br>\$47.47<br>Resident<br>Hunting<br>\$115,763,000                                     | \$1,779.93<br>\$246.79<br>\$308.37<br>Nonresident<br>Hunting<br>\$129,102,000   | Resident<br>Hunting          | Nonresident<br>Hunting          |
| Per Individual<br>Per Trip<br>Per Day   | \$1,448.49<br>\$151.24<br>\$140.54<br>Total<br>Hunting<br>\$244,865,000<br>\$3,134.94                         | \$866.95<br>\$63.16<br>\$47.47<br>Resident<br>Hunting<br>\$115,763,000<br>\$1,254.80                       | \$1,779.93<br>\$246.79<br>\$308.37<br>Nonresident<br>Hunting<br>\$129,102,000<br>\$5,367.61                           | Resident<br>Hunting          | Nonresident<br>Hunting          |
| Per Individual<br>Per Trip<br>Per Day<br>Total Amount<br>Per Individual<br>Per Trip | \$1,448.49<br>\$151.24<br>\$140.54<br>Total<br>Hunting<br>\$244,865,000<br>\$3,134.94<br>\$364.53<br>\$254.28 | \$866.95<br>\$63.16<br>\$47.47<br>Resident<br>Hunting<br>\$115,763,000<br>\$1,254.80<br>\$97.51<br>\$86.46 | \$1,779.93<br>\$246.79<br>\$308.37<br>Nonresident<br>Hunting<br>\$129,102,000<br>\$5,367.61<br>\$1,526.79<br>\$551.41 | Resident<br>Hunting<br>47.3% | Nonresident<br>Hunting<br>52.7% |

| <b>Big and Trophy Game Hunting</b>  |  |  |  |  |
|---|--|--|--|--|
|   | Resident   | NonResident  | Combined   |  |
|   | Hunter   | Hunter   | Hunter   |  |
| Species   | Days (1)   | Days (1)   | Days (1)   |  |
| Antelope  | 6,610  | 2,328  | 8,937  |  |
| Bighorn Sheep   | 132  | 25   | 157  |  |
| Bison   | 792  | 131  | 924  |  |
| Black Bear  | 3,738  | 220  | 3,958  |  |
| Deer  | 18,172   | 2,351  | 20,523   |  |
| Elk   | 46,460   | 9,401  | 55,862   |  |
| Moose   | 1,219  | 225  | 1,443  |  |
| Total Hunting Days  | 77,122   | 14,681   | 91,804   |  |
|   |  |  |  |  |
| Total Hunting Days  | 77,122   | 14,681   | 91,804   |  |
| Spending Per Day (2)  | \$90.91  | \$579.82   | \$169.10   |  |
| Total Hunting Spending  | \$7,011,568  | \$8,512,586  | \$15,524,154   |  |
| Fishing Licenses Sold in Sublet   | te County 2  |  | <b>T</b> - + - 1   | <b>T</b>   |
|   |  | Per  | Total  | Total  |
|   | License  |  |  |  |
| <b>T</b>  |  | Angler   | Fishing  | Angler   |
| Туре  | Sold (3)   | Spending (2)   | Spending   | Angler<br>Days (2)   |
| Resident Annual   | Sold (3)<br>2,307  | Spending (2)<br>\$911.62   | Spending<br>\$2,103,106  | Angler<br>Days (2)<br>42,218   |
| Resident Annual<br>Resident Youth Annual  | Sold (3)<br>2,307<br>100   | Spending (2)<br>\$911.62<br>\$911.62   | Spending<br>\$2,103,106<br>\$91,162  | Angler<br>Days (2)<br>42,218<br>1,830  |
| Resident Annual<br>Resident Youth Annual<br>Resident Daily  | Sold (3)<br>2,307<br>100<br>484  | Spending (2)<br>\$911.62<br>\$911.62<br>\$49.92  | Spending<br>\$2,103,106<br>\$91,162<br>\$24,159  | Angler<br>Days (2)<br>42,218<br>1,830<br>484   |
| Resident Annual<br>Resident Youth Annual<br>Resident Daily<br>Non-Resident Annual   | Sold (3)<br>2,307<br>100<br>484<br>715   | Spending (2)<br>\$911.62<br>\$911.62<br>\$49.92<br>\$1,871.64  | Spending<br>\$2,103,106<br>\$91,162<br>\$24,159<br>\$1,338,223   | Angler<br>Days (2)<br>42,218<br>1,830<br>484<br>4,147  |
| Resident Annual<br>Resident Youth Annual<br>Resident Daily<br>Non-Resident Annual<br>Non-Resident Youth Annual  | Sold (3)<br>2,307<br>100<br>484<br>715<br>135  | Spending (2)<br>\$911.62<br>\$911.62<br>\$49.92<br>\$1,871.64<br>\$1,871.64  | Spending<br>\$2,103,106<br>\$91,162<br>\$24,159<br>\$1,338,223<br>\$251,736  | Angler<br>Days (2)<br>42,218<br>1,830<br>484<br>4,147<br>780                                   |
| Resident Annual<br>Resident Youth Annual<br>Resident Daily<br>Non-Resident Annual<br>Non-Resident Youth Annual<br>Non-Resident Daily  | Sold (3)<br>2,307<br>100<br>484<br>715<br>135<br>8,940   | Spending (2)<br>\$911.62<br>\$911.62<br>\$49.92<br>\$1,871.64<br>\$1,871.64<br>\$324.26  | Spending<br>\$2,103,106<br>\$91,162<br>\$24,159<br>\$1,338,223<br>\$251,736<br>\$2,898,873   | Angler<br>Days (2)<br>42,218<br>1,830<br>484<br>4,147<br>780<br>8,940                          |
| Resident Annual<br>Resident Youth Annual<br>Resident Daily<br>Non-Resident Annual<br>Non-Resident Youth Annual  | Sold (3)<br>2,307<br>100<br>484<br>715<br>135  | Spending (2)<br>\$911.62<br>\$911.62<br>\$49.92<br>\$1,871.64<br>\$1,871.64  | Spending<br>\$2,103,106<br>\$91,162<br>\$24,159<br>\$1,338,223<br>\$251,736  | Angler<br>Days (2)<br>42,218<br>1,830<br>484<br>4,147<br>780<br>8,940                          |
| Resident Annual<br>Resident Youth Annual<br>Resident Daily<br>Non-Resident Annual<br>Non-Resident Youth Annual<br>Non-Resident Daily  | Sold (3)<br>2,307<br>100<br>484<br>715<br>135<br>8,940<br><b>12,681</b>  | Spending (2)<br>\$911.62<br>\$911.62<br>\$49.92<br>\$1,871.64<br>\$1,871.64<br>\$324.26  | Spending<br>\$2,103,106<br>\$91,162<br>\$24,159<br>\$1,338,223<br>\$251,736<br>\$2,898,873   | Angler<br>Days (2)<br>42,218<br>1,830<br>484<br>4,147<br>780<br>8,940                          |
| Resident Annual<br>Resident Youth Annual<br>Resident Daily<br>Non-Resident Annual<br>Non-Resident Youth Annual<br>Non-Resident Daily<br><b>Total Fishing Spending</b>   | Sold (3)<br>2,307<br>100<br>484<br>715<br>135<br>8,940<br><b>12,681</b><br>Spending                                      | Spending (2)<br>\$911.62<br>\$911.62<br>\$49.92<br>\$1,871.64<br>\$1,871.64<br>\$324.26<br><b>\$528.94</b>                                       | Spending<br>\$2,103,106<br>\$91,162<br>\$24,159<br>\$1,338,223<br>\$251,736<br>\$2,898,873<br>\$6,707,258<br>\$22,231,412  | Angler<br>Days (2)<br>42,218<br>1,830<br>484<br>4,147<br>780<br>8,940<br><b>58,399</b>         |
| Resident Annual<br>Resident Youth Annual<br>Resident Daily<br>Non-Resident Annual<br>Non-Resident Youth Annual<br>Non-Resident Daily<br><b>Total Fishing Spending</b>   | Sold (3)<br>2,307<br>100<br>484<br>715<br>135<br>8,940<br><b>12,681</b><br>Spending                                      | Spending (2)<br>\$911.62<br>\$911.62<br>\$49.92<br>\$1,871.64<br>\$1,871.64<br>\$324.26<br><b>\$528.94</b>                                       | Spending<br>\$2,103,106<br>\$91,162<br>\$24,159<br>\$1,338,223<br>\$251,736<br>\$2,898,873<br>\$6,707,258<br>\$22,231,412  | Angler<br>Days (2)<br>42,218<br>1,830<br>484<br>4,147<br>780<br>8,940<br><b>58,399</b>         |
| Resident Annual<br>Resident Youth Annual<br>Resident Daily<br>Non-Resident Annual<br>Non-Resident Youth Annual<br>Non-Resident Daily<br><b>Total Fishing Spending</b><br>(1) Based WGFD Annual Harve<br>Areas that are in the Count | Sold (3)<br>2,307<br>100<br>484<br>715<br>135<br>8,940<br><b>12,681</b><br>Spending<br>st Reports b<br>Y                 | Spending (2)<br>\$911.62<br>\$911.62<br>\$49.92<br>\$1,871.64<br>\$324.26<br><b>\$528.94</b><br>by Hunt Area ar                                  | Spending<br>\$2,103,106<br>\$91,162<br>\$24,159<br>\$1,338,223<br>\$251,736<br>\$2,898,873<br><b>\$6,707,258</b><br><b>\$22,231,412</b><br>ad percent of                     | Angler<br>Days (2)<br>42,218<br>1,830<br>484<br>4,147<br>780<br>8,940<br><b>58,399</b><br>Hunt |
| Resident Annual<br>Resident Youth Annual<br>Resident Daily<br>Non-Resident Annual<br>Non-Resident Youth Annual<br>Non-Resident Daily<br><b>Total Fishing Spending</b><br>(1) Based WGFD Annual Harve                                | Sold (3)<br>2,307<br>100<br>484<br>715<br>135<br>8,940<br><b>12,681</b><br>Spending<br>st Reports b<br>y<br>conal Survey | Spending (2)<br>\$911.62<br>\$911.62<br>\$49.92<br>\$1,871.64<br>\$1,871.64<br>\$324.26<br><b>\$528.94</b><br>by Hunt Area ar<br>of Fishing, Hur | Spending<br>\$2,103,106<br>\$91,162<br>\$24,159<br>\$1,338,223<br>\$251,736<br>\$2,898,873<br><b>\$6,707,258</b><br><b>\$22,231,412</b><br>ad percent of<br>atting, and Will | Angler<br>Days (2)<br>42,218<br>1,830<br>484<br>4,147<br>780<br>8,940<br><b>58,399</b><br>Hunt |

| лррени    | x Table 1. Sul |             | <i>y</i> / |            |             | <u> </u>    | <u> </u> | <u> </u> |
|-----------|----------------|-------------|------------|------------|-------------|-------------|----------|----------|
|           |                |             |            | Total      | Total       | County      |          | Combined |
|           |                |             |            | Resident   | NonRes      |             | NonRes   | County   |
| Hunt      | Total          | County      | County     | Hunter     | Hunter      | Hunter      | Hunter   | Hunte    |
| Areas     | Acres          | Acres       | Percent    | Days       | Days        | Days        | Days     | Days     |
| 65        | 555,197        | 5,216       | 0.9%       | 325        | 120         | 3           | 1        | 4        |
| 84        | 798,297        | 4,433       | 0.6%       | 597        | 219         | 3           | 1        | 5        |
| 85        | 495,862        | 12,681      | 2.6%       | 36         | 2           | 1           | 0        | 1        |
| 86        | 358,947        | 220,607     | 61.5%      | 190        | 63          | 117         | 39       | 155      |
| 87        | 838,451        | 832,997     | 99.3%      | 1568       | 333         | 1,558       | 331      | 1,889    |
| 88        | 382,810        | 370,845     | 96.9%      | 1410       | 244         | 1,366       | 236      | 1,602    |
| 89        | 625,146        | 573,198     | 91.7%      | 1823       | 985         | 1,672       | 903      | 2,575    |
| 90        | 1,044,370      | 786,728     | 75.3%      | 1273       | 389         | 959         | 293      | 1,252    |
| 91        | 440,579        | 337,443     | 76.6%      | 1197       | 678         | 917         | 519      | 1,436    |
| 92        | 861,162        | 1,866       | 0.2%       | 248        | 124         | 1           | 0        | 1        |
| 93        | 991,703        | 9,979       | 1.0%       | 1338       | 329         | 13          | 3        | 17       |
| 107       | 195,119        | 332         | 0.2%       | 343        | 161         | 1           | 0        | 1        |
| Total     | 7,587,643      | 3,156,326   | 41.6%      | 10,348     | 3,647       | 6,610       | 2,328    | 8,937    |
| Source: \ | Vyoming Gar    | ne and Fish | Departme   | ent Annual | Harvest Re  | eports, 201 | 5        |          |
| Appendi   | x Table 2. Sul | olette Coun | ty Bighorr | n Sheep Hu | nting, 201  | 5           |          |          |
|           |                |             |            | Total      | Total       | County      | County   | Combined |
|           |                |             |            | Resident   | NonRes      | Resident    | NonRes   | County   |
| Hunt      | Total          | County      | County     | Hunter     | Hunter      | Hunter      | Hunter   | Hunter   |
| Areas     | Acres          | Acres       | Percent    | Days       | Days        | Days        | Days     | Days     |
| 7         | 1,065,616      | 322,027     | 30.2%      | 98         | 60          | 30          | 18       | 48       |
| 8         | 279,409        | 279,409     | 100.0%     | 77         | 0           | 77          | 0        | 77       |
| 10        | 250,079        | 62,628      | 25.0%      | 42         | 9           | 11          | 2        | 13       |
| 23        | 207,946        | 207,637     | 99.9%      | 15         | 5           | 15          | 5        | 20       |
| 24        | 317,017        |             | 65.1%      | 0          | 0           | 0           | 0        |          |
| Total     |                | 1,078,208   | 50.9%      | 232        | 74          | 132         | 25       | 157      |
| Sourcos   | Nyoming Gar    | no and Eich | Doportmo   | nt Annual  | Llow cost D | anarte 201  | F        |          |

| Appendix  | Table 3. Sub | Diette Coun | ty Bison H |             |            |              |        |          |
|-----------|--------------|-------------|------------|-------------|------------|--------------|--------|----------|
|           |              |             |            | Total       | Total      | County       | County | Combined |
|           |              |             |            | Resident    | NonRes     | Resident     | NonRes | County   |
| Hunt      | Total        | County      | County     | Hunter      | Hunter     | Hunter       | Hunter | Hunter   |
| Areas     | Acres        | Acres       | Percent    | Days        | Days       | Days         | Days   | Days     |
| 2         | 7,218,051    | 3,157,935   | 43.8%      | 1,811       | 300        | 792          | 131    | 924      |
| Source: W | /yoming Gan  | ne and Fish | Departme   | ent Annual  | Harvest Re | eports, 2015 | 5      |          |
| Appendix  | Table 4. Sub | olette Coun | ty Black B | ear Hunting | g, 2015    |              |        |          |
|           |              |             |            | Total       | Total      | County       | County | Combined |
|           |              |             |            | Resident    | NonRes     | Resident     | NonRes | County   |
| Hunt      | Total        | County      | County     | Hunter      | Hunter     | Hunter       | Hunter | Hunter   |
| Areas     | Acres        | Acres       | Percent    | Days        | Days       | Days         | Days   | Days     |
| 11        | 1,122,710    | 10,184      | 0.9%       | 1,252       | 116        | 11           | 1      | 12       |
| 13        | 703,120      | 5,546       | 0.8%       | 1,078       | 20         | 9            | 0      | 9        |
| 14        | 631,861      | 577,222     | 91.4%      | 952         | 16         | 870          | 15     | 884      |
| 15        | 378,240      | 368,037     | 97.3%      | 397         | 26         | 386          | 25     | 412      |
| 16        | 313,370      | 1,726       | 0.6%       | 799         | 162        | 4            | 1      | 5        |
| 17        | 205,169      | 130,450     | 63.6%      | 925         | 149        | 588          | 95     | 683      |
| 19        | 2,071,245    | 1,957,230   | 94.5%      | 1,773       | 75         | 1,675        | 71     | 1,746    |
| 20        | 439,722      | 100,161     | 22.8%      | 826         | 52         | 188          | 12     | 200      |
| 28        | 350,443      | 4,292       | 1.2%       | 304         | 28         | 4            | 0      | 4        |
| 29        | 322,001      | 1,032       | 0.3%       | 626         | 64         | 2            | 0      | 2        |
| 35        | 28,928,770   | 2,006       | 0.0%       | 876         | 3          | 0            | 0      | 0        |
| Total     | 35,466,650   | 3,157,885   | 8.9%       | 9,808       | 711        | 3,738        | 220    | 3,958    |

Source: Wyoming Game and Fish Department Annual Harvest Reports, 2015

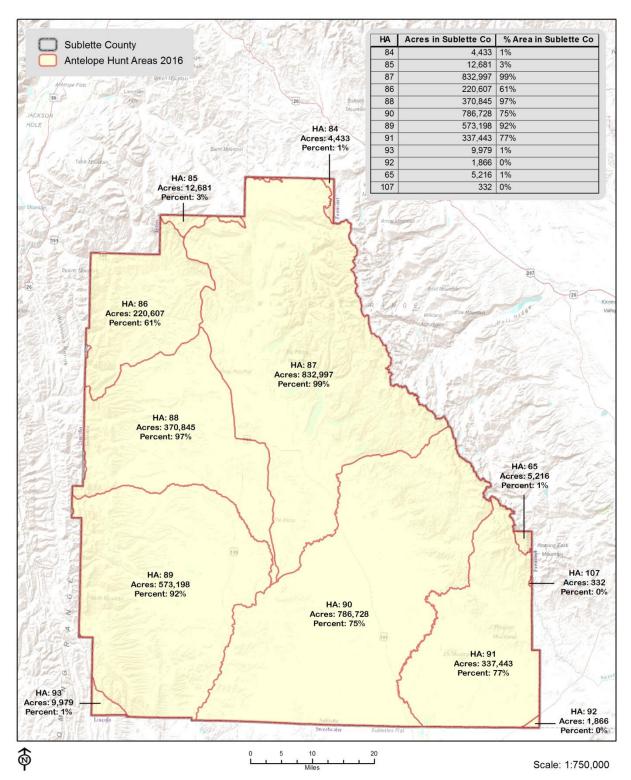
| Аррспи | x Table 5. Sub |           | ty Deer In | Total      | Total  | County     | County | Combined |
|--------|----------------|-----------|------------|------------|--------|------------|--------|----------|
|        |                |           |            | Resident   | NonRes | Resident   | NonRes | County   |
| Hunt   | Total          | County    | County     | Hunter     | Hunter | Hunter     | Hunter | Hunter   |
| Areas  | Acres          | Acres     | Percent    | Days       | Days   | Days       | Days   | Days     |
| 92     | 422,478        | 5,548     | 1.3%       | 4,501      | 329    | 59         | 4      | 63       |
| 128    | 798,297        | 4,433     | 0.6%       | 5,586      | 829    | 31         | 5      | 36       |
| 130    | 440,579        | 337,443   | 76.6%      | 874        | 50     | 669        | 38     | 708      |
| 131    | 2,563,120      | 1,866     | 0.1%       | 1,558      | 91     | 1          | 0      | 1        |
| 135    | 1,539,396      | 9,979     | 0.6%       | 15,163     | 1,005  | - 98       | 7      | 105      |
| 138    | 1,043,099      | 786,728   | 75.4%      | 2,077      | 100    | 1,567      | 75     | 1,642    |
| 139    | 304,992        | 304,849   | 100.0%     | ,<br>1,114 | 55     | ,<br>1,113 | 55     | 1,168    |
| 140    | 208,725        | 208,725   | 100.0%     | 1,496      | 48     | 1,496      | 48     | 1,544    |
| 141    | 208,591        | 203,379   | 97.5%      | 479        | 72     | 467        | 70     | 537      |
| 142    | 382,810        | 370,845   | 96.9%      | 4,153      | 834    | 4,023      | 808    | 4,831    |
| 143    | 625,146        | 573,198   | 91.7%      | 5,982      | 320    | 5,485      | 293    | 5,778    |
| 144    | 308,746        | 1,541     | 0.5%       | 5,397      | 1,084  | 27         | 5      | 32       |
| 146    | 103,321        | 2,788     | 2.7%       | 649        | 32     | 18         | 1      | 18       |
| 152    | 258,224        | 39,075    | 15.1%      | 2,803      | 1,101  | 424        | 167    | 591      |
| 153    | 74,849         | 67,920    | 90.7%      | 1,203      | 551    | 1,092      | 500    | 1,592    |
| 154    | 114,994        | 113,644   | 98.8%      | 1,470      | 228    | 1,453      | 225    | 1,678    |
| 155    | 198,689        | 9,894     | 5.0%       | 856        | 125    | 43         | 6      | 49       |
| 162    | 116,143        | 116,044   | 99.9%      | 106        | 43     | 106        | 43     | 149      |
| Total  | 9,712,198      | 3,157,899 | 32.5%      | 55,467     | 6,897  | 18,172     | 2,351  | 20,523   |
|        |                |           |            |            |        |            |        |          |

| Total<br>Acres<br>5,480<br>7,127<br>8,001<br>9,928<br>3,321 | County<br>Acres<br>332<br>5,216<br>4,307 | County<br>Percent<br>0.4%<br>1.5%   | Total<br>Resident<br>Hunter<br>Days<br>1,523  | Total<br>NonRes<br>Hunter<br>Days  | County<br>Resident<br>Hunter<br>Days   | NonRes<br>Hunter   | Combined<br>County<br>Hunter   |
|---|--|---|---|--|--|--|--|
| Acres<br>5,480<br>7,127<br>8,001<br>9,928                   | Acres<br>332<br>5,216<br>4,307           | Percent<br>0.4%   | Hunter<br>Days  | Hunter   | Hunter   | Hunter   | _  |
| Acres<br>5,480<br>7,127<br>8,001<br>9,928                   | Acres<br>332<br>5,216<br>4,307           | Percent<br>0.4%   | Days  |  |  |  | Hunter   |
| 5,480<br>7,127<br>8,001<br>9,928                            | 332<br>5,216<br>4,307                    | 0.4%  |   | Days   | Davs   |  |  |
| 7,127<br>8,001<br>9,928                                     | 5,216<br>4,307                           |   | 1.523   |  | Days   | Days   | Days   |
| 8,001<br>9,928  | 4,307                                    | 1 5%  | _,  | 190  | 7  | 1  | 8  |
| 9,928   | -  | 1.3/0   | 9,198   | 559  | 138  | 8  | 147  |
| ,   |  | 3.1%  | 4,447   | 1,328  | 139  | 41   | 180  |
| 3.321   | 9,894                                    | 6.6%  | 1,341   | 243  | 88   | 16   | 105  |
| -,  | 2,788                                    | 2.7%  | 1,742   | 257  | 47   | 7  | 54   |
| 0,542   | 39,075                                   | 15.6%   | 4,712   | 959  | 735  | 150  | 884  |
| 4,849   | 67,920                                   | 90.7%   | 1,771   | 649  | 1,607  | 589  | 2,196  |
| 4,994   | 113,644                                  | 98.8%   | 2,919   | 371  | 2,885  | 367  | 3,251  |
| 5,471   | 531                                      | 0.3%  | 4,336   | 1,599  | 14   | 5  | 19   |
| 2,290   | 1,011                                    | 0.7%  | 4,346   | 1,466  | 31   | 10   | 41   |
| 2,810   | 370,845                                  | 96.9%   | 10,851  | 2,302  | 10,512   | 2,230  | 12,742   |
| 6,239   | 166,139                                  | 99.9%   | 2,708   | 678  | 2,706  | 678  | 3,384  |
| 5,146   | 573,198                                  | 91.7%   | 13,480  | 2,153  | 12,360   | 1,974  | 14,334   |
| 6,756   | 201,544                                  | 97.5%   | 2,951   | 566  | 2,877  | 552  | 3,428  |
| 0,464   | 160,464                                  | 100.0%  | 3,941   | 760  | 3,941  | 760  | 4,701  |
| 3,150   | 303,013                                  | 100.0%  | 1,716   | 1,077  | 1,715  | 1,077  | 2,792  |
| 7,965   | 788,565                                  | 63.7%   | 7,131   | 923  | 4,542  | 588  | 5,130  |
| 0,579   | 337,443                                  | 76.6%   | 2,630   | 439  | 2,014  | 336  | 2,351  |
| 9,159   | 1,866                                    | 0.1%  | 523   | 90   | 0  | 0  | 0  |
|   | 9,979                                    | 1.0%  | 9,773   | 1,220  | 102  | 13   | 115  |
| 7,788   | 3,157,774                                | 37.4%   | 92,039  | 17,829   | 46,460   | 9,401  | 55,862   |
| 5   | 7,965<br>),579<br>),159<br>7,788         | 7,965 788,565<br>0,579 337,443<br>0,159 1,866<br>7,788 9,979<br>2,058 3,157,774 | 7,965 788,565 63.7%   0,579 337,443 76.6%   0,159 1,866 0.1%   7,788 9,979 1.0%   2,058 3,157,774 37.4% | 7,965788,56563.7%7,1310,579337,44376.6%2,6300,1591,8660.1%5237,7889,9791.0%9,773 | 7,965788,56563.7%7,1319230,579337,44376.6%2,6304390,1591,8660.1%523907,7889,9791.0%9,7731,2202,0583,157,77437.4%92,03917,829 | 7,965788,56563.7%7,1319234,5420,579337,44376.6%2,6304392,0140,1591,8660.1%5239007,7889,9791.0%9,7731,2201022,0583,157,77437.4%92,03917,82946,460 | 7,965788,56563.7%7,1319234,5425880,579337,44376.6%2,6304392,0143360,1591,8660.1%52390007,7889,9791.0%9,7731,220102132,0583,157,77437.4%92,03917,82946,4609,401 |

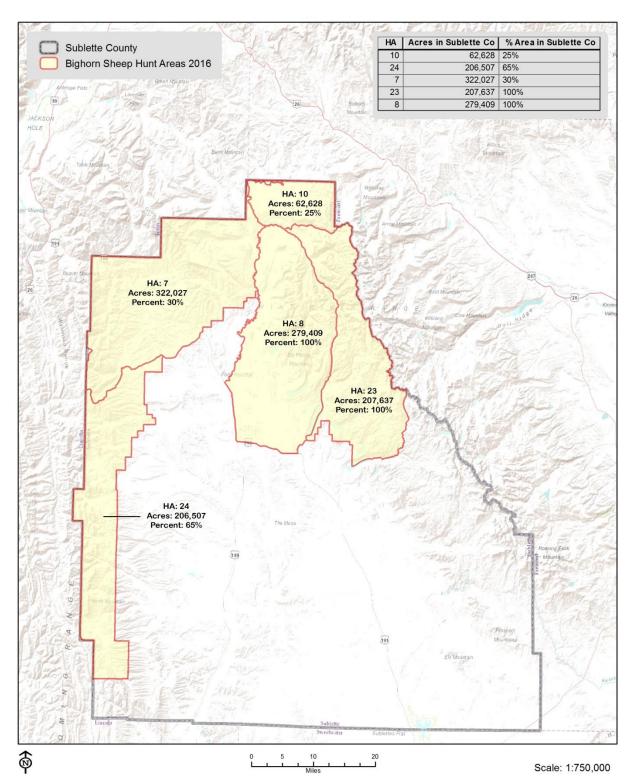
Source: Wyoming Game and Fish Department Annual Harvest Reports, 2015

| Appendi | x Table 7. Su | blette Cou | nty Moos | e Hunting, 2 | 2015   |          |        |          |
|---------|---------------|------------|----------|--------------|--------|----------|--------|----------|
|         |               |            |          | Total        | Total  | County   | County | Combined |
|         |               |            |          | Resident     | NonRes | Resident | NonRes | County   |
| Hunt    | Total         | County     | County   | Hunter       | Hunter | Hunter   | Hunter | Hunter   |
| Areas   | Acres         | Acres      | Percent  | Days         | Days   | Days     | Days   | Days     |
| 2       | 1,159,888     | 5,216      | 0.4%     | 65           | 4      | 0        | 0      | 0        |
| 3       | 300,082       | 299,839    | 99.9%    | 82           | 15     | 82       | 15     | 97       |
| 4       | 498,713       | 498,713    | 100.0%   | 81           | 30     | 81       | 30     | 111      |
| 5       | 420,934       | 415,623    | 98.7%    | 330          | 70     | 326      | 69     | 395      |
| 6       | 798,297       | 4,433      | 0.6%     | 48           | 1      | 0        | 0      | 0        |
| 10      | 205,813       | 129,453    | 62.9%    | 109          | 14     | 69       | 9      | 77       |
| 18      | 103,321       | 2,788      | 2.7%     | 26           | 9      | 1        | 0      | 1        |
| 21      | 191,466       | 15,535     | 8.1%     | 87           | 9      | 7        | 1      | 8        |
| 22      | 77,001        | 75,651     | 98.2%    | 43           | 36     | 42       | 35     | 78       |
| 23      | 619,651       | 1,541      | 0.2%     | 146          | 23     | 0        | 0      | 0        |
| 24      | 246,474       | 205,478    | 83.4%    | 221          | 29     | 184      | 24     | 208      |
| 25      | 960,423       | 884,523    | 92.1%    | 412          | 35     | 379      | 32     | 412      |
| 26      | 1,130,898     | 10,477     | 0.9%     | 295          | 51     | 3        | 0      | 3        |
| 28      | 172,478       | 9,894      | 5.7%     | 0            | 0      | 0        | 0      | 0        |
| 30      | 516,059       | 337,775    | 65.5%    | 67           | 13     | 44       | 9      | 52       |
| Total   | 7,401,497     | 2,896,939  | 39.1%    | 2,012        | 339    | 1,219    | 225    | 1,443    |

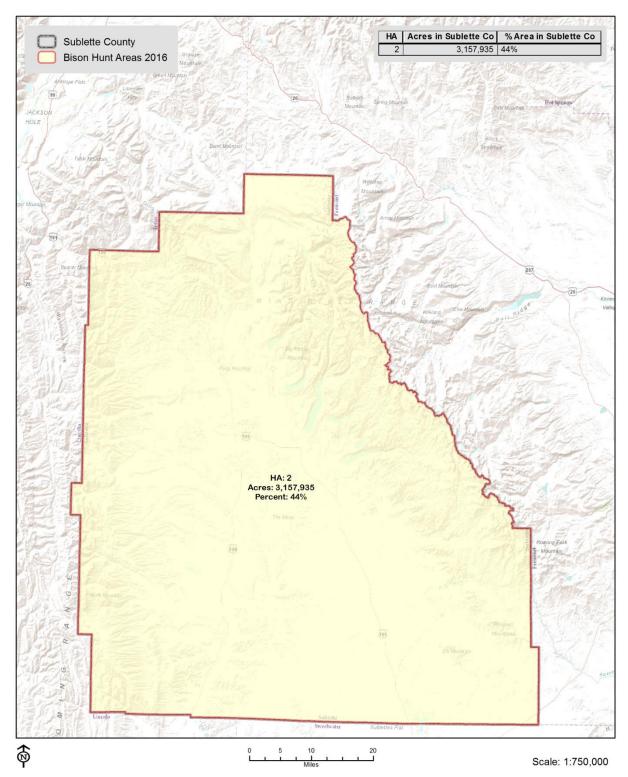
| Appendix Table 8. Fishing Licenses Sold in Sublette County 2015 |            |             |          |  |  |  |  |  |
|---|------------|-------------|----------|--|--|--|--|--|
|   |            |             |          |  |  |  |  |  |
|   |            | Adjustment  | County   |  |  |  |  |  |
|   | County     | Youth Under | Over 16  |  |  |  |  |  |
| Туре  | Licenses   | 16          | Licenses |  |  |  |  |  |
| Resident Annual   | 2,307      |             | 2,307    |  |  |  |  |  |
| Resident Youth Annual   | 200        | 50.0%       | 100      |  |  |  |  |  |
| Resident Daily  | 484        |             | 484      |  |  |  |  |  |
| Non-Resident Annual   | 715        |             | 715      |  |  |  |  |  |
| Non-Resident Youth Annual                                       | 269        | 50.0%       | 135      |  |  |  |  |  |
| Non-Resident Daily  | 8,940      |             | 8,940    |  |  |  |  |  |
| Total   | 12,915     |             | 12,681   |  |  |  |  |  |
|   |            |             |          |  |  |  |  |  |
| Source: Wyoming Game and F                                      | sh Departn | nent, 2015  |          |  |  |  |  |  |



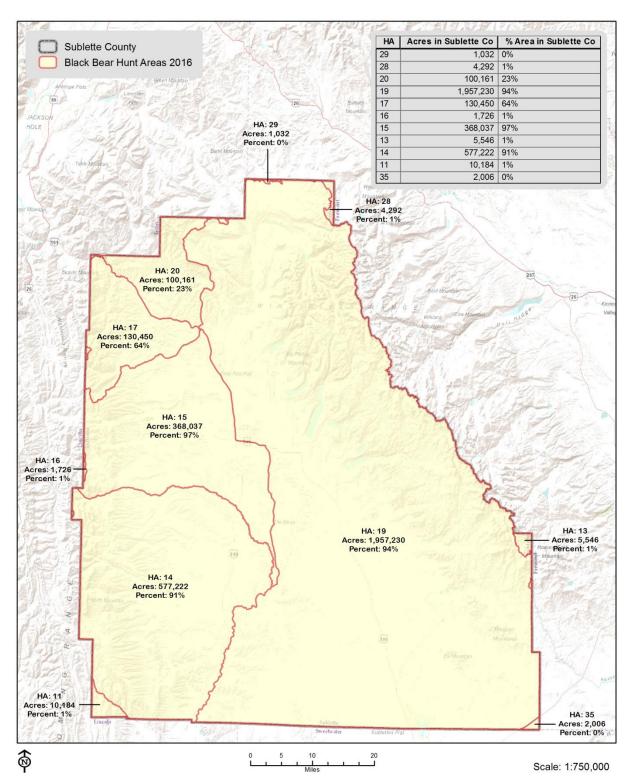
Percentage of 2016 Antelope Hunt Areas (HA) within Sublette County



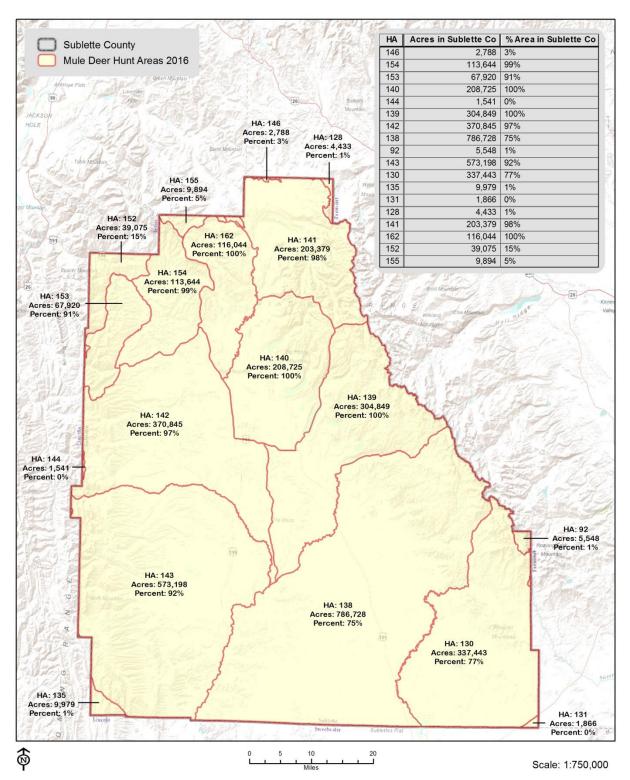
Percentage of 2016 Bighorn Sheep Hunt Areas (HA) within Sublette County



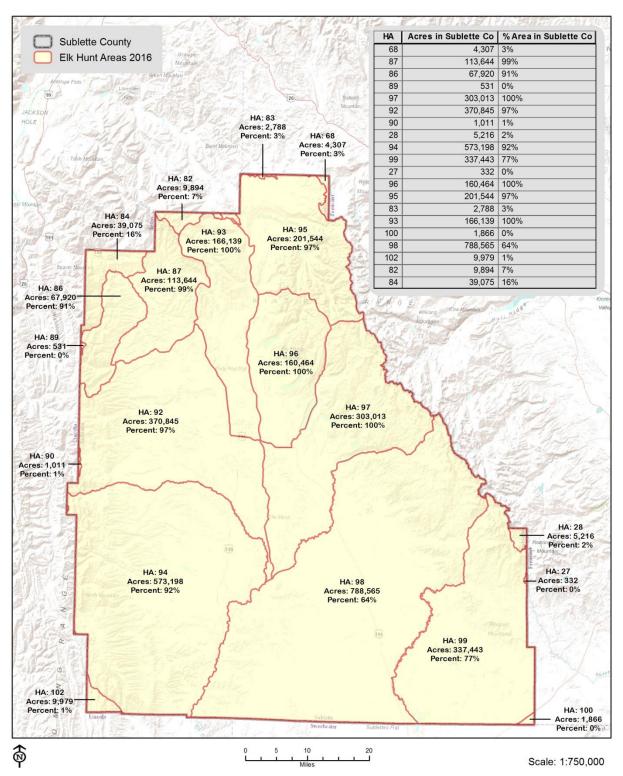
Percentage of 2016 Bison Hunt Areas (HA) within Sublette County



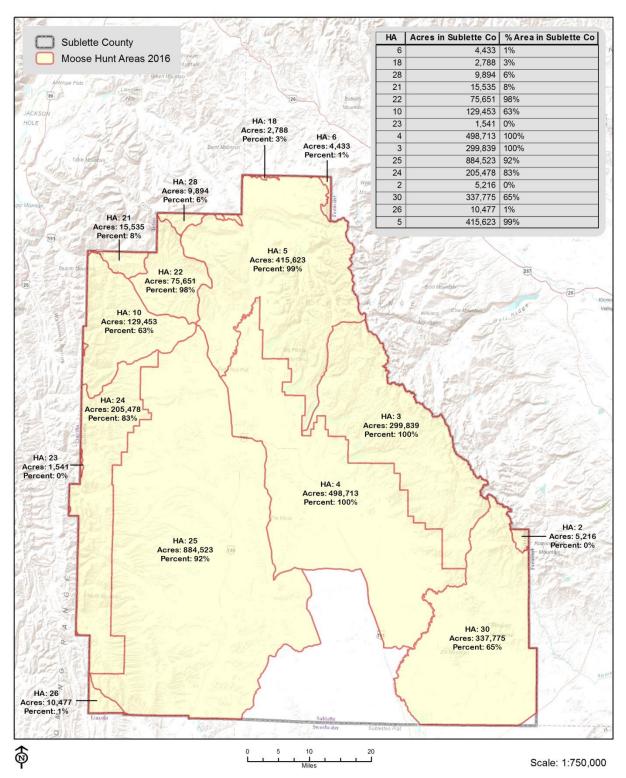
Percentage of 2016 Black Bear Hunt Areas (HA) within Sublette County



Percentage of 2016 Mule Deer Hunt Areas (HA) within Sublette County



Percentage of 2016 Elk Hunt Areas (HA) within Sublette County



Percentage of 2016 Moose Hunt Areas (HA) within Sublette County