**Pronghorn Hunter Survey:**

**Topline Summary (Aug 2021)**

Human Dimensions section of state management plan

*Kenneth Wallen, University of Idaho*

PREPARED FOR IDAHO DEPARTMENT OF FISH AND GAME:

PRONGHORN STATE MANAGEMENT PLAN

*HOLLIE MIYASAKI*

*Jake Powell*

*LEONA SVANCARA*

*sUMMER CREA*

*ERIN ROCHE*

2021

# Executive Summary

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# Methods

## Participants

The pronghorn human dimensions survey had a single target population: purchasers of at least one pronghorn tag between 2015-2020.

Contact mode was email via GovDelivery. Response mode was a web-based questionnaire hosted by Qualtrics. Data collection began on 17-Jun-2021 with an initial invitation email (n = 14,477) this was followed by automated reminders on 19-Jun and 21-Jun to individuals who did not open the invitation email. A second email was sent on 29-Jun-2021 (n = 10,165), followed , by automated reminders on 01-Jul and 03-Jul.

## Sampling

Sampling is a process to select a subset of individuals from within a target population to estimate characteristics of the whole population. It is often infeasible or unrealistic to gather information from every member of a population; we draw a sample from the target population, study that sample, and generalize findings back to the population from which the sample was chosen.

A sample frame is the source (list) used to select a sample from the target population. The sample frame was sourced from IDFG’s customer license database and included all purchasers of at least one pronghorn tag between 2015-2020 (n = 17,865). Additional exclusions to the sample frame were individuals under the age of 18 (n = 1,391), individuals who did not provide an email address (n = 1,218), and duplicate emails (n = 779). The 2021 pronghorn human dimensions sample consisted of 14,477 eligible participants. Coverage—percent of purchasers who provide an email compared to all purchasers—as of June 2021 was 92% of all eligible purchasers of at least one pronghorn tag between 2015-2020.

The pronghorn human dimensions survey used a census sampling procedure. The census procedure includes all eligible individuals listed in the sample frame (excluding duplicates). Email invitations were sent to 14,477 eligible participants.

## Measures

The pronghorn human dimensions survey focused on management relevant measures and concepts: (a) pronghorn hunting experience, preferences, and behaviors, (b) perception of pronghorn populations, (c) satisfaction and motivations, (d) perceptions of crowding, access, and negative interactions with other hunters, and (e) hunt attribute importance and actualization.

# Results

|  |  |  |  |
| --- | --- | --- | --- |
| **Table 1**  Survey distribution summary statistics. | | | |
| **Description** | **Count** | **Remove** | **Notes** |
| Population | 17865 | — | Tag purchasers from 2015-2020 |
| Eligible | 16474 | 1391 | Under 18 years old |
| Email contact | 15256 | 1218 | Did not provide email |
| Duplicate email | 779 | 779 | All duplicate emails removed |
| Sample | 14477 | — | 92% email coverage |
| Started | 6223 | — |  |
| Completes | 5082 | — | 100% complete |
| Partials | 905 | — | 39% complete average |
| Responses | 5987 | — | Partial and full completes |
| Exclusion | 230 | 230 | Empty responses but 100% progress |
| Exclusion | 217 | 217 | 30% complete threshold for analysis (Q8) |
| Dataset | 5540 | — |  |
| Effective response rate | 41% | — | (5987/14477) |
| Completes response rate | 35% | — | (5082/14477) |

## Demographics

|  |  |  |
| --- | --- | --- |
| **Table 2**  Participant demographics. | | |
|  | M | SD |
| **Age (years)** | 46.7 | 14.7 |
| **Idaho residency (years)** | 34.5 | 17.6 |
|  |  |  |
|  | n | % |
| **Gender** |  |  |
| Female | 401 | 8 |
| Male | 4617 | 92 |
| **Ethnicity** |  |  |
| Asian | 26 | <1 |
| Black/African American | 10 | <1 |
| Hispanic/Latino | 66 | 1 |
| Indigenous | 28 | 1 |
| Native Hawaiian | 14 | <1 |
| White | 4644 | 93 |
| Don’t Know | 65 | 1 |
| Other | 136 | 3 |
| **Income** |  |  |
| Less than $20,000 | 194 | 4 |
| $20,000 - $49,999 | 885 | 19 |
| $50,000 - $99,999 | 1206 | 26 |
| $75,000 - $99,999 | 728 | 15 |
| $100,000 - $149,999 | 1005 | 21 |
| $150,000 - $199,999 | 369 | 8 |
| Greater than $200,000 | 329 | 7 |
| **Employment status** |  |  |
| Full-time | 3810 | 77 |
| Part-time | 168 | 3 |
| Temporary | 35 | 1 |
| Unemployed | 97 | 2 |
| Retired | 757 | 15 |
| Disabled | 73 | 2 |

Comments and Interpretation:

* White males aged over 40 years old was the most represented demographic segment, which is a common finding among big game hunting user surveys.
* The majority of participants reported full-time employment and an income between $50,000-$150,000.
  + 15% of participants indicated they are currently retired.

## Statewide

|  |  |  |  |
| --- | --- | --- | --- |
| **Q1A\_Years\_Applied**  How many years have you applied to hunt pronghorn in Idaho? | | | |
|  |  | n | % |
| Statewide | 1-4 years | 1953 | 35 |
|  | 5-9 years | 1272 | 23 |
|  | 10-14 years | 752 | 14 |
|  | 15-19 years | 423 | 8 |
|  | 20+ years | 1130 | 20 |

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| **Q2A\_Seasons\_Hunted**  How many seasons have you hunted pronghorn in Idaho? | | | |
|  |  | n | % |
| Statewide | Never hunted pronghorn in Idaho | 3 | <1 |
|  | 1-4 years | 4071 | 74 |
|  | 5-9 years | 856 | 16 |
|  | 10-14 years | 295 | 5 |
|  | 15-19 years | 122 | 2 |
|  | 20+ years | 187 | 3 |

Comments and Interpretation:

* The majority of participants reported applying to hunt pronghorn in Idaho only within the last 10 years, and 35% reported applying only with the past 4 years. These results are likely partially connected to recent changes to pronghorn season structure and regulations.

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| **Q2A\_Weapon\_Preference**  Since you started hunting pronghorn in Idaho, which weapon have you used most often? | | | |
|  |  | n | % |
| Statewide | Bow | 2618 | 47 |
|  | Rifle | 2490 | 45 |
|  | Muzzleloader | 367 | 7 |
|  | Other | 55 | 1 |

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| **Q2A\_Weapon\_Exclusive**  Do you only hunt pronghorn with preferred weapon? | | | |
|  |  | n | % |
| Statewide | No, I will hunt with any weapon allowed by tag | 3175 | 58 |
|  | Yes, I will only hunt with my preferred weapon | 2342 | 42 |

Comments and Interpretation:

* Findings support parity between the number of participants who hunt most often with bow and rifle hunters.

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| **Q3\_ATV**  How often do you bring an ATV/UTV to hunt pronghorn? | | | |
|  |  | n | % |
| Statewide | Never | 2320 | 42 |
|  | Rarely | 907 | 16 |
|  | Sometimes | 1015 | 18 |
|  | Often | 619 | 11 |
|  | Always | 667 | 12 |

Comments and Interpretation:

* ATV/UTV usage does not seem to be a common among participants.

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| **Q4\_Satf\_1 TO Q4\_Satf\_5**  Since you started hunting pronghorn in Idaho, how satisfied are you with the following: | | | | | | | | | |
|  |  | Descriptive | | | Frequency (%) | | | | |
|  |  | n | M | SD | 1 | 2 | 3 | 4 | 5 |
| Statewide | Overall pronghorn hunting experience | 5511 | 3.6 | 1.0 | 4 | 12 | 18 | 53 | 14 |
|  | Pronghorn tag draw odds | 5493 | 2.6 | 1.2 | 22 | 31 | 21 | 22 | 4 |
|  | Pronghorn harvest success | 5512 | 3.5 | 1.1 | 6 | 12 | 23 | 45 | 13 |
|  | Number of pronghorn | 5497 | 3.4 | 1.0 | 4 | 18 | 20 | 47 | 9 |
|  | Amount of pronghorn habitat | 5501 | 3.7 | .9 | 2 | 8 | 18 | 58 | 13 |
| Note. Scale: very dissatisfied (1), dissatisfied (2), neither (3), satisfied (4), very satisfied (5) | | | | | | | | | |

Comments and Interpretation:

* Satisfaction with the overall pronghorn hunting experience was notably high, particularly as consumptive recreational users tend to be less satisfied than other types of recreational users.
  + Similar satisfaction was reported for harvest success, pronghorn numbers, and the amount of pronghorn habitat.
* Participants were less satisfied with pronghorn tag draw odds compared to other attributes measured, which is expected given draw odds are a “game of chance” and not in direct control of the user.

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| **Q5\_Numbers\_Change**  Since you started hunting pronghorn in Idaho, how has the number of pronghorn changed in your preferred hunting area? | | | | | | | | | |
|  |  | Descriptive | | | Frequency (%) | | | | |
|  |  | n | M | SD | 1 | 2 | 3 | 4 | 5 |
| Statewide | Hunter numbers change | 5501 | 2.6 | .8 | 10 | 30 | 50 | 9 | 2 |
| Note. Scale: greatly decreased (1), decreased (2), no change (3), increased (4), greatly increased (5) | | | | | | | | | |

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| **Q6A\_Numbers\_Decrease**  In your opinion, what one issue has most caused the number of pronghorn populations to decrease in your preferred hunting area? | | | |
|  |  | n | % |
| Statewide | Severe winters | 424 | 20 |
|  | Over-harvest | 267 | 12 |
|  | Habitat loss | 252 | 12 |
|  | Predators | 240 | 11 |
|  | Competition with grazing | 237 | 11 |
|  | Presence of ATVs/UTVs | 232 | 11 |
|  | Water availability | 181 | 8 |
|  | Water hole locations | 103 | 5 |
|  | High road densities | 96 | 4 |
|  | Connectivity | 70 | 3 |
|  | Fencing | 58 | 3 |
| Note. Participant answered only if Q5 = greatly decreased (1), decreased (2) | | | |

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| **Q6B\_Numbers\_Increase**  In your opinion, what one issue has most caused the number of pronghorn populations to increase in your preferred hunting area? | | | |
|  |  | n | % |
| Statewide | Harvest limits | 188 | 33.2 |
|  | Mild winters | 151 | 26.6 |
|  | Lack of competition | 54 | 9.5 |
|  | Water availability | 40 | 7.1 |
|  | Habitat improvements | 33 | 5.8 |
|  | Reduced predation | 30 | 5.3 |
|  | Low road densities | 20 | 3.5 |
|  | Water hole abundance | 20 | 3.5 |
|  | Lack of ATVs/UTVs | 19 | 3.4 |
|  | Connectivity improvement | 12 | 2.1 |
| Note. Participant answered only if Q5 = increased (4), greatly increased (5) | | | |

Comments and Interpretation:

* 80% of participants reported a perception of decrease or no change in pronghorn numbers in their preferred hunting areas.
  + 30% perceive pronghorn populations are greatly decreasing or decreasing
  + 11% perceive pronghorn populations are increasing or greatly increasing
* Of those who reported pronghorn numbers are greatly decreasing or decreasing, severe winters was perceived as the issue that has decreased the number of pronghorn populations in their preferred hunting area.
  + That was followed by over-harvest, habitat loss, predators, competition with grazing, and presence of ATVs/UTVs.
  + Of these issues, the extent to which IDFG has the ability to manage or influence for the benefit of pronghorn herds or hunters is variable.
* Of those who reported pronghorn numbers are increasing or greatly increasing, harvest limits and mild winters were credited with increasing pronghorn numbers in their preferred hunting areas.
* The somewhat paradoxical (conflicting) perceptions between those who perceive pronghorn numbers as increasing or decreasing may warrant attention and outreach, with a particular focus on open and transparent communication of harvest and its effect on herds.

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| **Q7\_Harvest\_Success**  Since you started hunting pronghorn in Idaho, how has your harvest success changed? | | | | | | | | | |
|  |  | Descriptive | | | Frequency (%) | | | | |
|  |  | n | M | SD | 1 | 2 | 3 | 4 | 5 |
| Statewide | Harvest success change | 5512 | 2.8 | .6 | 4 | 17 | 74 | 5 | 1 |
| Note. Scale: much worse (1), worse (2), no change (3), better (4), much better (5) | | | | | | | | | |

Comments and Interpretation:

* Similar to pronghorn numbers, participants reported worse to no change in their harvest success; 74% reported no change in their harvest success.

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| **Q8\_Year\_Recent**  When was the last (most recent) year you hunted pronghorn in Idaho? | | | |
|  |  | n | % |
| Statewide | 2015 | 282 | 5 |
|  | 2016 | 354 | 7 |
|  | 2017 | 471 | 9 |
|  | 2018 | 711 | 13 |
|  | 2019 | 1118 | 21 |
|  | 2020 | 2212 | 41 |
|  | prior to 2015 | 287 | 5 |

Comments and Interpretation:

* 75% of participants reported they have hunted pronghorn in Idaho within the past 3-years.

**Q9\_Unit**

Among the units you could hunt during the most recent season you hunted, which three units did you hunt pronghorn the most? Please list up to three units in order from the most to least about amount of time spent hunting pronghorn.

Comments and Interpretation:

* Units 40 and 41 are the most preferred units among all participants and between each of the three rankings. Units 42, 44, 45, 46, 50, 51, and 63 were all consistently ranked in the top across first, second, and third preference.
* Additional analysis could control for participants zip code proportional (weighted) preference rather than raw rankings or could correlate preferences with herd metrics.

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| **Q9\_1\_Unit**  Unit preference (1st) | | |
|  | n | % |
| 41 | 501 | 9.5 |
| 40 | 422 | 8.0 |
| 63 | 339 | 6.4 |
| 46 | 326 | 6.2 |
| 45 | 320 | 6.1 |
| 50 | 291 | 5.5 |
| 44 | 261 | 5.0 |
| 51 | 223 | 4.2 |
| 42 | 192 | 3.7 |
| 37 | 183 | 3.5 |
| 68 | 183 | 3.5 |
| 58 | 165 | 3.1 |
| 52A | 158 | 3.0 |
| 36 | 140 | 2.7 |
| 54 | 138 | 2.6 |
| 52 | 128 | 2.4 |
| 30A | 123 | 2.3 |
| 29 | 108 | 2.1 |
| 47 | 102 | 1.9 |
| 30 | 101 | 1.9 |
| 49 | 96 | 1.8 |
| 59A | 92 | 1.7 |
| 59 | 80 | 1.5 |
| 39 | 78 | 1.5 |
| 36A | 73 | 1.4 |
| 37A | 72 | 1.4 |
| 61 | 62 | 1.2 |
| 60A | 60 | 1.1 |
| 21A | 47 | .9 |
| 36B | 33 | .6 |
| 53 | 30 | .6 |
| 60 | 29 | .6 |
| 48 | 26 | .5 |
| 38 | 18 | .3 |
| 55 | 15 | .3 |
| 28 | 12 | .2 |
| 76 | 10 | .2 |
| 57 | 8 | .2 |
| 32 | 6 | .1 |
| 56 | 6 | .1 |
| 32A | 1 | .0 |

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| **Q9\_1\_Unit**  Unit preference (2nd) | | |
|  | n | % |
| 41 | 289 | 9.2 |
| 40 | 220 | 7.0 |
| 42 | 174 | 5.6 |
| 45 | 171 | 5.5 |
| 44 | 160 | 5.1 |
| 51 | 137 | 4.4 |
| 50 | 136 | 4.3 |
| 46 | 129 | 4.1 |
| 63 | 116 | 3.7 |
| 52 | 110 | 3.5 |
| 37A | 108 | 3.5 |
| 59 | 106 | 3.4 |
| 58 | 102 | 3.3 |
| 47 | 95 | 3.0 |
| 37 | 87 | 2.8 |
| 68 | 86 | 2.7 |
| 52A | 78 | 2.5 |
| 59A | 74 | 2.4 |
| 29 | 69 | 2.2 |
| 36A | 67 | 2.1 |
| 30 | 62 | 2.0 |
| 30A | 62 | 2.0 |
| 49 | 62 | 2.0 |
| 39 | 49 | 1.6 |
| 60A | 43 | 1.4 |
| 53 | 42 | 1.3 |
| 54 | 42 | 1.3 |
| 48 | 37 | 1.2 |
| 60 | 34 | 1.1 |
| 36B | 32 | 1.0 |
| 61 | 32 | 1.0 |
| 36 | 31 | 1.0 |
| 21A | 26 | .8 |
| 55 | 14 | .4 |
| 28 | 12 | .4 |
| 57 | 10 | .3 |
| 38 | 9 | .3 |
| 32A | 5 | .2 |
| 32 | 4 | .1 |
| 56 | 4 | .1 |
| 76 | 4 | .1 |

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| **Q9\_1\_Unit**  Unit preference (3rd) | | |
|  | n | % |
| 40 | 160 | 7.2 |
| 41 | 151 | 6.8 |
| 42 | 145 | 6.5 |
| 45 | 117 | 5.2 |
| 63 | 114 | 5.1 |
| 50 | 98 | 4.4 |
| 46 | 96 | 4.3 |
| 51 | 96 | 4.3 |
| 58 | 88 | 3.9 |
| 44 | 84 | 3.8 |
| 52 | 78 | 3.5 |
| 29 | 72 | 3.2 |
| 68 | 70 | 3.1 |
| 37 | 67 | 3.0 |
| 59A | 65 | 2.9 |
| 49 | 63 | 2.8 |
| 52A | 58 | 2.6 |
| 59 | 55 | 2.5 |
| 39 | 51 | 2.3 |
| 36 | 45 | 2.0 |
| 36A | 44 | 2.0 |
| 30A | 38 | 1.7 |
| 54 | 37 | 1.7 |
| 61 | 37 | 1.7 |
| 47 | 35 | 1.6 |
| 30 | 33 | 1.5 |
| 60A | 31 | 1.4 |
| 37A | 30 | 1.3 |
| 21A | 29 | 1.3 |
| 48 | 24 | 1.1 |
| 53 | 24 | 1.1 |
| 36B | 23 | 1.0 |
| 60 | 22 | 1.0 |
| 28 | 16 | .7 |
| 56 | 9 | .4 |
| 32 | 8 | .4 |
| 38 | 8 | .4 |
| 55 | 7 | .3 |
| 57 | 5 | .2 |
| 76 | 2 | .1 |
| 32A | 1 | .0 |

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| **Q10\_Land\_Type**  Which land type did you hunt on most often for pronghorn? | | | |
|  |  | n | % |
| Statewide | Public | 4218 | 79 |
|  | Private | 284 | 5 |
|  | A mix of public and private land | 873 | 16 |

|  |  |  |  |
| --- | --- | --- | --- |
| **Q11\_Land\_Type**  When you hunted pronghorn on both private and public land, what percentage of your time did you hunt on each? | | | |
|  |  | M | SD |
| Statewide | Public | 55.1 | 23.0 |
|  | Private | 44.9 | 23.0 |
| Note. Participants answered only if Q10 = “A mix of public and private land” (n = 865). | | | |

Comments and Interpretation:

* The majority of participants hunt pronghorn on public land but those that hunt on both public and private land (n = 865) split time near equally between public and private land.

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| **Q12\_Weapon**  Which weapon did you use to hunt pronghorn (during the most recent season you hunted)? | | | |
|  |  | n | % |
| Statewide | Bow | 2539 | 47 |
|  | Rifle | 2366 | 44 |
|  | Muzzleloader | 411 | 8 |
|  | Other | 47 | 1 |

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| --- | --- | --- | --- |
| **Q13\_Harvest**  Did you harvest a pronghorn (during the most recent season you hunted)? | | | |
|  |  | n | % |
| Statewide | No | 2807 | 53 |
|  | Yes | 2518 | 47 |

Comments and Interpretation:

* Overall (all hunt methods) harvest success aligns with MHR data:
  + 2016-20 all hunt methods harvest success average: 36-50%

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Q14\_Crowd**  Which rating — from "not crowded" to "extremely crowded" — best describes the level of crowding you experienced (during the most recent season you hunted)? | | | | | | | | | | | | |
|  | Descriptive | | | Frequency (%) | | | | | | | | |
|  | n | M | SD | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| Statewide | 5282 | 3.9 | 2.6 | 26 | 13 | 11 | 8 | 12 | 9 | 10 | 4 | 7 |
| Note. Scale: 1-2 (not at all), 3-4 (slightly), 5-7 (moderately), 8-9 (extremely) | | | | | | | | | | | | |

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| **Q15\_Crowd\_Numbers**  Which rating — from "fewer hunters" to "more hunters" — best describes how you feel the number of other pronghorn hunters have changed since 2015? | | | | | | | | | | | | |
|  | Descriptive | | | Frequency (%) | | | | | | | | |
|  | n | M | SD | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| Statewide | 5183 | 6.0 | 2.4 | 5 | 4 | 7 | 8 | 20 | 10 | 13 | 7 | 24 |
| Note. Scale: 1 (fewer hunters) – 9 (more hunters) | | | | | | | | | | | | |

Comments and Interpretation:

* Compared to other types of big game hunters, participants indicate a lower perception of crowding while hunting pronghorn. That pronghorn is a controlled hunt species and uses a draw system could explain lower levels of perceived crowding.
* In some contrast to low levels of perceived crowding, participants do indicate a perception that pronghorn hunter numbers have increased since 2015. That perception is likely tied to the reality of changes to pronghorn season structure that have facilitated more opportunities to hunt pronghorn in Idaho.

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| **Q16\_Crowd\_Reason**  What contributes most to the crowding you experience hunting pronghorn in your preferred units? | | | |
|  |  | n | % |
| Statewide | Other people | 2388 | 45 |
|  | Access to land | 1329 | 25 |
|  | Crowding is not an issue | 1540 | 29 |

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| **Q16A\_People** (Q16 = Other people)  In terms of other people, who contributes most to the crowding issues you experience? | | | |
|  |  | n | % |
| Statewide | Other pronghorn hunters | 1563 | 66 |
|  | Non-resident pronghorn hunters | 458 | 19 |
|  | Non-hunters that use the same areas | 307 | 13 |
|  | Sage-grouse hunters | 41 | 2 |

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| **Q16B\_Access** (Q16 = Access to land)  In terms of land access, what contributes the most to access issues you experience? | | | |
|  |  | n | % |
| Statewide | Limited access to private property | 728 | 56 |
|  | Competition for specific hunting locations | 348 | 27 |
|  | Limited road or trail access | 151 | 12 |
|  | Waterholes are too close to roads | 46 | 4 |
|  | Personal issues | 36 | 3 |

Comments and Interpretation:

* If the participant considered crowding an issue, other people were the main reason for crowding and other pronghorn hunters were the primary user group that contributes to crowding. If access to land to hunt pronghorn was considered the main reason for crowding, access to private property was the primary factor that contributes to their perceived crowding.

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| **Q17\_Difficult**  How difficult or easy was it for you to hunt pronghorn in your preferred units? | | | | | | | |
|  | Descriptive | | | Frequency (%) | | | |
|  | n | M | SD | 1 | 2 | 3 | 4 |
| Statewide | 5204 | 2.5 | .8 | 7 | 39 | 45 | 8 |
| Note. Scale: very difficult (1), difficult (2), easy (3), very easy (4) | | | | | | | |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Q18\_Encounter**  How often did you encounter other pronghorn hunters? | | | | | | | | |
|  | Descriptive | | | Frequency (%) | | | | |
|  | n | M | SD | 1 | 2 | 3 | 4 | 5 |
| Statewide | 5223 | 3.3 | 1.1 | 6 | 19 | 35 | 28 | 13 |
| Note. Scale: never (1), rarely (2), sometimes (3), often (4), always (5) | | | | | | | | |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Q19\_Displacement**  How often did you move to another location because of other pronghorn hunters? | | | | | | | | |
|  | Descriptive | | | Frequency (%) | | | | |
|  | n | M | SD | 1 | 2 | 3 | 4 | 5 |
| Statewide | 5224 | 2.5 | 1.2 | 27 | 19 | 31 | 19 | 4 |
| Note. Scale: never (1), rarely (2), sometimes (3), often (4), always (5) | | | | | | | | |

Comments and Interpretation:

* 46% of participants report it was difficult or very difficult to hunt in their preferred unit; 53% easy or very easy. Interpretation of this finding is not straightforward since the “why” is unknown.
  + Perception of difficult or easy may be influenced by the controlled hunt season structure.
* In general, encounters with other pronghorn hunters is a ubiquitous experience, 41% encountered other pronghorn hunters often or always. If it is not already, it should be an expectation of pronghorn hunters that they will encounter others in the field.
* 27% were never displaced by other pronghorn hunters while 23% were displaced often or always. Displacement is an understudied experience but regional or unit focused scoping could reveal more details about this potential issue.

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| **Q20\_Encounter\_SageGrouse**  How often did you encounter sage-grouse hunters? | | | | | | | | |
|  | Descriptive | | | Frequency (%) | | | | |
|  | n | M | SD | 1 | 2 | 3 | 4 | 5 |
| Statewide | 5194 | 1.6 | .9 | 62 | 23 | 11 | 3 | 1 |
| Note. Scale: never (1), rarely (2), sometimes (3), often (4), always (5) | | | | | | | | |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Q21\_Displacement\_SageGrouse**  How often did you move to another location because of sage-grouse hunters? | | | | | | | | |
|  | Descriptive | | | Frequency (%) | | | | |
|  | n | M | SD | 1 | 2 | 3 | 4 | 5 |
| Statewide | 5202 | 1.2 | .6 | 84 | 9 | 5 | 1 | <1 |
| Note. Scale: never (1), rarely (2), sometimes (3), often (4), always (5) | | | | | | | | |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Q22\_Fights**  How many verbal or physical altercations did you personally see or experience while on a pronghorn hunting trip? | | | | | | |
|  | Descriptive | | | Frequency (%) | | |
|  | n | M | SD | 1 | 2 | 3 |
| Statewide | 5192 | 1.2 | .6 | 87 | 11 | 2 |
| Note. Scale: none (1), a few (2), several (3) | | | | | | |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Q23\_Vandalism**  How often did you personally see or experience vandalism or theft while on a hunting trip? | | | | | | |
|  | Descriptive | | | Frequency (%) | | |
|  | n | M | SD | 1 | 2 | 3 |
| Statewide | 5207 | 1.2 | .6 | 89 | 10 | 2 |
| Note. Scale: never (1), once or twice (2), more than twice (3) | | | | | | |

Comments and Interpretation:

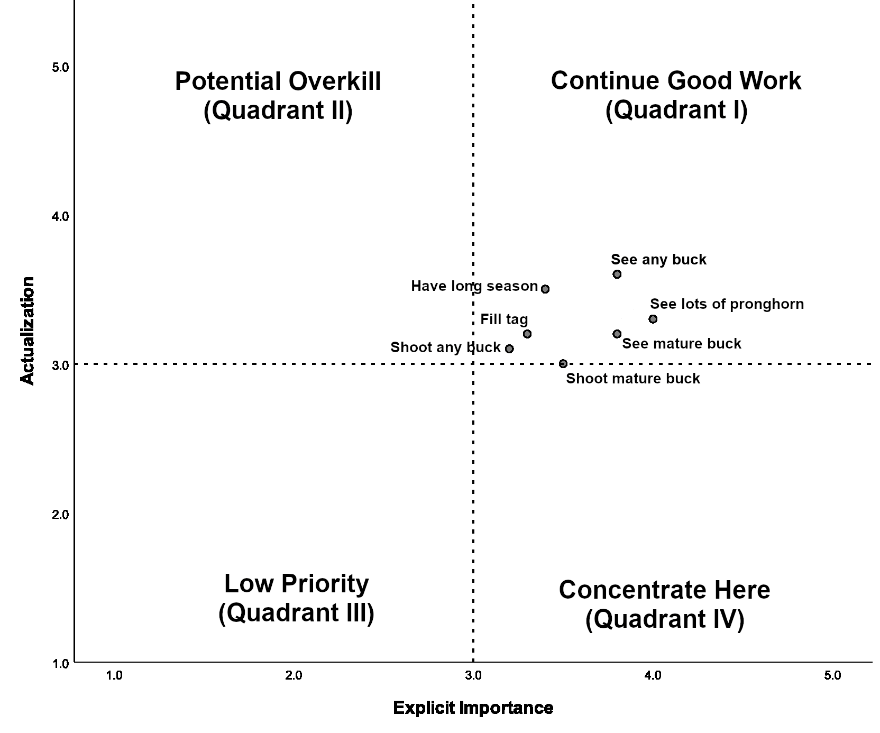
* In general, physical altercations and vandalism were not experienced or seen by participants. However, the 12-13% of participants that indicated they did experience or see these will be further explored via segmentation on relevant variables.

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Q24\_1\_Satf\_SeeBuck TO Q24\_7\_Satf\_LongSeason**  How satisfied were you with the following (during the most recent season you hunted)? | | | | | | | | | |
|  |  | Descriptive | | | Frequency (%) | | | | |
|  |  | n | M | SD | 1 | 2 | 3 | 4 | 5 |
| Statewide | Seeing any bucks | 5137 | 3.6 | 1.0 | 4 | 12 | 20 | 53 | 11 |
|  | Seeing mature bucks | 5120 | 3.2 | 1.1 | 8 | 20 | 23 | 42 | 7 |
|  | Shooting at any bucks | 5095 | 3.1 | 1.0 | 8 | 15 | 37 | 33 | 6 |
|  | Shooting at mature bucks | 5094 | 3.0 | 1.1 | 12 | 20 | 35 | 28 | 6 |
|  | Filling my tag | 5119 | 3.2 | 1.2 | 12 | 16 | 26 | 33 | 13 |
|  | Seeing lots of pronghorn | 5114 | 3.3 | 1.1 | 8 | 19 | 22 | 41 | 10 |
|  | Having a long season | 5110 | 3.5 | .9 | 4 | 10 | 32 | 45 | 9 |
| Note. Scale: very dissatisfied (1), dissatisfied (2), neither (3), satisfied (4), very satisfied (5) | | | | | | | | | |

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Q25\_1\_Import\_SeeBuck TO Q25\_7\_Import\_LongSeason**  How important are the following experiences to your Idaho pronghorn hunting satisfaction? | | | | | | | | | |
|  |  | Descriptive | | | Frequency (%) | | | | |
|  |  | n | M | SD | 1 | 2 | 3 | 4 | 5 |
| Statewide | Seeing any bucks | 5120 | 3.8 | .9 | 2 | 4 | 24 | 50 | 20 |
|  | Seeing mature bucks | 5101 | 3.8 | .9 | 2 | 6 | 27 | 43 | 22 |
|  | Shooting at any bucks | 5096 | 3.2 | 1.1 | 9 | 14 | 36 | 30 | 11 |
|  | Shooting at mature bucks | 5079 | 3.5 | 1.1 | 5 | 12 | 33 | 33 | 17 |
|  | Filling my tag | 5090 | 3.3 | 1.1 | 7 | 15 | 35 | 26 | 17 |
|  | Seeing lots of pronghorn | 5088 | 4.0 | .8 | 0 | 3 | 22 | 49 | 25 |
|  | Having a long season | 5087 | 3.4 | 1.0 | 4 | 11 | 37 | 32 | 16 |
| Note. Scale: very dissatisfied (1), dissatisfied (2), neither (3), satisfied (4), very satisfied (5) | | | | | | | | | |

Comments and Interpretation:

* Statewide, among an aggregate of all participants, all measured hunt attributes are located with Quadrant 1 of the explicit importance-performance analysis. Participants express their actualization of these hunt attributes aligns with the importance they place on these attributes for their pronghorn hunting experience. In other words, what participants say is important to them for a satisfactory pronghorn hunt also happens when they hunt pronghorn.



|  |  |  |  |
| --- | --- | --- | --- |
| **Q26\_MatureBuck**  What do you consider a mature pronghorn buck? | | | |
|  |  | n | % |
| Statewide | Any adult male | 291 | 6 |
|  | Horn length greater than 10-inches | 627 | 12 |
|  | Horn length greater than 12-inches | 1923 | 38 |
|  | Horn length greater than 14-inches | 1932 | 38 |
|  | Horn length greater than 16-inches | 247 | 5 |
|  | Other | 83 | 2 |

Comments and Interpretation:

* The majority of participants indicate that a mature buck is considered by them a buck with a horn length of at least 12-inches but that length does not need to exceed 16-inches to be considered a mature buck.

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Q27\_1\_Motv\_Family TO Q27\_7\_Motv\_DemoSkills**  How well do each of the following statements describe why you hunt pronghorn in Idaho? | | | | | | | | | |
|  |  | Descriptive | | | Frequency (%) | | | | |
|  |  | n | M | SD | 1 | 2 | 3 | 4 | 5 |
| Statewide | To enjoy time spent with friends/family | 5082 | 3.9 | 1.1 | 5 | 7 | 19 | 35 | 34 |
|  | To enjoy nature and the outdoors | 5086 | 4.3 | .7 | — | 1 | 11 | 41 | 47 |
|  | Excitement of pronghorn hunting | 5077 | 4.0 | .9 | 1 | 3 | 19 | 45 | 32 |
|  | To bring meat home for food | 5086 | 3.7 | 1.1 | 5 | 10 | 27 | 31 | 27 |
|  | Challenge of hunting pronghorn | 5077 | 3.8 | .9 | 3 | 5 | 27 | 41 | 25 |
|  | To get a mature buck | 5071 | 3.2 | 1.1 | 8 | 15 | 38 | 27 | 12 |
|  | To demonstrate my hunting skills | 5069 | 2.8 | 1.3 | 22 | 14 | 33 | 20 | 11 |
| Note. Scale: not at all (1), a little bit (2), somewhat (3), mostly (4), completely (5) | | | | | | | | | |

Comments and Interpretation:

* 88% of participants indicated that “to enjoy nature and the outdoors” mostly or completely described why they hunt pronghorn.
* 77% indicated that the “excitement of pronghorn hunting” mostly or completely described why they hunt pronghorn.
* Based on these results, pronghorn hunters tend to be appreciative-oriented and seek a sense of peace, belonging, familiarity, or excitement from the activity.
  + Affiliative motivations—to accompany another person and to enjoy their company or to strengthen and reaffirm a personal relationship—are also important.
* Achievement-oriented and harvest-related experiences—wherein a specific hunt goal like meat or trophy is the objective—seem to be less of a motivation.

|  |  |  |  |
| --- | --- | --- | --- |
| **Q28A\_1\_OpportValue**  Which pronghorn hunting opportunity do you value the most (harvest)? | | | |
|  |  | n | % |
| Statewide | Harvest any pronghorn in a given year | 2359 | 47 |
|  | Harvest a mature buck in a given year | 2715 | 54 |

|  |  |  |  |
| --- | --- | --- | --- |
| **Q28A\_2\_OpportValue**  Which pronghorn hunting opportunity do you value the most (hunt)? | | | |
|  |  | n | % |
| Statewide | Hunt pronghorn with less competition from other hunters | 2314 | 46 |
|  | Hunt pronghorn every year | 2766 | 54 |

|  |  |  |  |
| --- | --- | --- | --- |
| **Q28A\_3\_OpportValue**  Which pronghorn hunting opportunity do you value the most (forced choice)? | | | |
|  |  | n | % |
| Statewide | Harvest-focused selection | 1929 | 38 |
|  | Hunt-focused selection | 3109 | 62 |

Comments and Interpretation:

* Given a forced-choice between hunt-focused attributes or outcomes and harvest-focused, 62% of participants responded in favor of harvested-focused attributes or outcomes, i.e., the opportunity to hunt pronghorn with less competition from other hunters or to hunt pronghorn every year is preferred to harvest.
  + While the opportunity to hunt is preferred to the opportunity to harvest this result may be a product of time order issue, i.e., the hunt comes before the harvest, but further inquiry is required to understand this potentiality more thoroughly.

## Weapon preference

Analysis includes respondents who hunted from 2015-21 (Q8) and selected bow or rifle as weapon preference (Q12); excludes hunters prior to 2015 (Q8)

|  |  |  |  |
| --- | --- | --- | --- |
| **Q1A\_Years\_Applied**  How many years have you applied to hunt pronghorn in Idaho? | | | |
|  |  | n | % |
| Bow | 1-4 years | 881 | 37 |
|  | 5-9 years | 598 | 25 |
|  | 10-14 years | 343 | 14 |
|  | 15-19 years | 196 | 8 |
|  | 20+ years | 398 | 17 |
|  |  |  |  |
| Rifle | 1-4 years | 799 | 37 |
|  | 5-9 years | 490 | 23 |
|  | 10-14 years | 275 | 13 |
|  | 15-19 years | 151 | 7 |
|  | 20+ years | 433 | 20 |

|  |  |  |  |
| --- | --- | --- | --- |
| **Q2A\_Seasons\_Hunted**  How many seasons have you hunted pronghorn in Idaho? | | | |
|  |  | n | % |
| Bow | 1-4 years | 1525 | 63 |
|  | 5-9 years | 494 | 20 |
|  | 10-14 years | 191 | 8 |
|  | 15-19 years | 80 | 3 |
|  | 20+ years | 128 | 5 |
|  |  |  |  |
| Rifle | 1-4 years | 1836 | 85 |
|  | 5-9 years | 206 | 10 |
|  | 10-14 years | 56 | 3 |
|  | 15-19 years | 22 | 1 |
|  | 20+ years | 29 | 1 |

Comments and Interpretation:

* I could use some help with interpretation because I’m not sure if this is just what pronghorn hunters look like in Idaho or if it is a product of season structure changes over the past several years.

|  |  |  |  |
| --- | --- | --- | --- |
| **Q2A\_Weapon\_Preference**  Since you started hunting pronghorn in Idaho, which weapon have you used most often? | | | |
|  |  | n | % |
| Bow | Bow | 2240 | 93 |
|  | Rifle | 131 | 5 |
|  | Muzzleloader | 26 | 1 |
|  | Other | 20 | 1 |
|  |  |  |  |
| Rifle | Bow | 129 | 6 |
|  | Rifle | 1985 | 92 |
|  | Muzzleloader | 24 | 1 |
|  | Other | 11 | 1 |

|  |  |  |  |
| --- | --- | --- | --- |
| **Q2A\_Weapon\_Exclusive**  Do you only hunt pronghorn with preferred weapon? | | | |
|  |  | n | % |
| Bow | No, I will hunt with any weapon allowed by tag | 1767 | 73 |
|  | Yes, I will only hunt with my preferred weapon | 645 | 27 |
|  |  |  |  |
| Rifle | No, I will hunt with any weapon allowed by tag | 762 | 36 |
|  | Yes, I will only hunt with my preferred weapon | 1382 | 65 |

Comments and Interpretation:

* Participants who used archery during their most recent pronghorn hunt tend to use a bow more exclusively; this may be indicative of archery hunters being a more specialized or serious user group.

|  |  |  |  |
| --- | --- | --- | --- |
| **Q3\_ATV**  How often do you bring an ATV/UTV to hunt pronghorn? | | | |
|  |  | n | % |
| Bow | Never | 962 | 40 |
|  | Rarely | 442 | 18 |
|  | Sometimes | 431 | 18 |
|  | Often | 269 | 11 |
|  | Always | 313 | 13 |
|  |  |  |  |
| Rifle | Never | 930 | 43 |
|  | Rarely | 314 | 15 |
|  | Sometimes | 416 | 19 |
|  | Often | 236 | 11 |
|  | Always | 250 | 12 |

Comments and Interpretation:

* Similar interpretation of the statewide results.

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Q4\_Satf\_1 TO Q4\_Satf\_5**  Since you started hunting pronghorn in Idaho, how satisfied are you with the following: | | | | | | | | | |
|  |  | Descriptive | | | Frequency (%) | | | | |
|  |  | n | M | SD | 1 | 2 | 3 | 4 | 5 |
| Bow | Overall pronghorn hunting experience | 2410 | 3.4 | 1.0 | 4 | 15 | 22 | 50 | 9 |
|  | Pronghorn tag draw odds | 2407 | 2.6 | 1.2 | 24 | 27 | 19 | 24 | 5 |
|  | Pronghorn harvest success | 2409 | 3.2 | 1.0 | 8 | 17 | 32 | 37 | 6 |
|  | Number of pronghorn | 2409 | 3.4 | 1.0 | 5 | 19 | 21 | 47 | 8 |
|  | Amount of pronghorn habitat | 2406 | 3.7 | .9 | 2 | 8 | 19 | 57 | 13 |
|  |  |  |  |  |  |  |  |  |  |
| Rifle | Overall pronghorn hunting experience | 2140 | 3.8 | .9 | 2 | 9 | 13 | 56 | 19 |
|  | Pronghorn tag draw odds | 2132 | 2.6 | 1.1 | 18 | 34 | 24 | 22 | 2 |
|  | Pronghorn harvest success | 2142 | 3.8 | 1.0 | 3 | 8 | 14 | 54 | 21 |
|  | Number of pronghorn | 2136 | 3.5 | 1.0 | 3 | 17 | 19 | 50 | 11 |
|  | Amount of pronghorn habitat | 2139 | 3.8 | .9 | 2 | 8 | 16 | 60 | 15 |
| Note. Scale: very dissatisfied (1), dissatisfied (2), neither (3), satisfied (4), very satisfied (5) | | | | | | | | | |

Comments and Interpretation:

* Rifle hunters are slightly more satisfied with their overall pronghorn hunting experience, which may be correlated with their satisfaction with harvest success and rifle harvest success being generally higher than archery.

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Q5\_Numbers\_Change**  Since you started hunting pronghorn in Idaho, how has the number of pronghorn changed in your preferred hunting area? | | | | | | | | | |
|  |  | Descriptive | | | Frequency (%) | | | | |
|  |  | n | M | SD | 1 | 2 | 3 | 4 | 5 |
| Bow | Hunter numbers change | 2408 | 2.6 | .8 | 11 | 32 | 48 | 8 | 1 |
| Rifle | Hunter numbers change | 2140 | 2.7 | .8 | 8 | 27 | 53 | 10 | 2 |
| Note. Scale: greatly decreased (1), decreased (2), no change (3), increased (4), greatly increased (5) | | | | | | | | | |

Comments and Interpretation:

* Similar interpretation of the statewide results.

|  |  |  |  |
| --- | --- | --- | --- |
| **Q6A\_Numbers\_Decrease**  In your opinion, what one issue has most caused the number of pronghorn populations to decrease in your preferred hunting area? | | | |
|  |  | n | % |
| Bow | Severe winters | 216 | 21 |
|  | Over-harvest | 143 | 14 |
|  | Competition with grazing | 102 | 10 |
|  | Habitat loss | 99 | 10 |
|  | Presence of ATVs/UTVs | 99 | 10 |
|  | Water availability | 97 | 9 |
|  | Predators | 97 | 9 |
|  | Water hole locations | 59 | 6 |
|  | High road densities | 54 | 5 |
|  | Connectivity | 36 | 4 |
|  | Fencing | 25 | 2 |
|  |  |  |  |
| Rifle | Severe winters | 122 | 17 |
|  | Habitat loss | 106 | 15 |
|  | Competition with grazing | 94 | 13 |
|  | Predators | 93 | 13 |
|  | Presence of ATVs/UTVs | 91 | 12 |
|  | Over-harvest | 78 | 11 |
|  | Water availability | 52 | 7 |
|  | Water hole locations | 29 | 4 |
|  | High road densities | 26 | 4 |
|  | Connectivity | 20 | 3 |
|  | Fencing | 20 | 3 |
| Note. Participant answered only if Q5 = greatly decreased (1), decreased (2) | | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **Q6B\_Numbers\_Increase**  In your opinion, what one issue has most caused the number of pronghorn populations to increase in your preferred hunting area? | | | |
|  |  | n | % |
| Bow | Harvest limits | 69 | 32 |
|  | Mild winters | 58 | 27 |
|  | Lack of competition | 21 | 10 |
|  | Water availability | 20 | 9 |
|  | Low road densities | 11 | 5 |
|  | Water hole abundance | 10 | 5 |
|  | Reduced predation | 9 | 4 |
|  | Habitat improvements | 8 | 4 |
|  | Lack of ATVs/UTVs | 7 | 3 |
|  | Connectivity improvement | 3 | 1 |
|  |  |  |  |
| Rifle | Harvest limits | 87 | 33 |
|  | Mild winters | 73 | 28 |
|  | Lack of competition | 26 | 10 |
|  | Habitat improvements | 16 | 6 |
|  | Water availability | 16 | 6 |
|  | Reduced predation | 15 | 6 |
|  | Lack of ATVs/UTVs | 8 | 3 |
|  | Low road densities | 8 | 3 |
|  | Water hole abundance | 8 | 3 |
|  | Connectivity improvement | 5 | 2 |
| Note. Participant answered only if Q5 = increased (4), greatly increased (5) | | | |

Comments and Interpretation:

* Similar interpretation of the statewide results.

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Q7\_Harvest\_Success**  Since you started hunting pronghorn in Idaho, how has your harvest success changed? | | | | | | | | | |
|  |  | Descriptive | | | Frequency (%) | | | | |
|  |  | n | M | SD | 1 | 2 | 3 | 4 | 5 |
| Bow | Harvest success change | 2414 | 2.8 | .6 | 5 | 20 | 70 | 5 | 1 |
| Rifle | Harvest success change | 2140 | 2.9 | .5 | 2 | 13 | 78 | 6 | 1 |
| Note. Scale: much worse (1), worse (2), no change (3), better (4), much better (5) | | | | | | | | | |

Comments and Interpretation:

* Similar interpretation of the statewide results.

|  |  |  |  |
| --- | --- | --- | --- |
| **Q8\_Year\_Recent**  When was the last (most recent) year you hunted pronghorn in Idaho? | | | |
|  |  | n | % |
| Bow | 2015 | 78 | 3 |
|  | 2016 | 96 | 4 |
|  | 2017 | 134 | 6 |
|  | 2018 | 240 | 10 |
|  | 2019 | 465 | 19 |
|  | 2020 | 1406 | 58 |
|  |  |  |  |
| Rifle | 2015 | 171 | 8 |
|  | 2016 | 219 | 10 |
|  | 2017 | 266 | 12 |
|  | 2018 | 364 | 17 |
|  | 2019 | 518 | 24 |
|  | 2020 | 612 | 29 |

Comments and Interpretation:

* Bow hunters seem to account for much of the recency within the overall pronghorn hunter population, particularly in the past 2-years.
  + Unsure if this is a good or accurate interpretation based on the question asked.

ARCHERY

|  |  |  |
| --- | --- | --- |
| **Q9\_1\_Unit**  Unit preference (1st) | | |
|  | n | % |
| 41 | 240 | 9.6 |
| 40 | 238 | 9.6 |
| 46 | 213 | 8.6 |
| 50 | 134 | 5.4 |
| 36 | 121 | 4.9 |
| 63 | 117 | 4.7 |
| 45 | 113 | 4.5 |
| 42 | 109 | 4.4 |
| 51 | 107 | 4.3 |
| 37 | 105 | 4.2 |
| 68 | 104 | 4.2 |
| 58 | 83 | 3.3 |
| 52A | 72 | 2.9 |
| 30 | 56 | 2.2 |
| 36A | 51 | 2.0 |
| 44 | 49 | 2.0 |
| 37A | 48 | 1.9 |
| 30A | 47 | 1.9 |
| 49 | 47 | 1.9 |
| 29 | 45 | 1.8 |
| 59A | 44 | 1.8 |
| 54 | 41 | 1.6 |
| 52 | 39 | 1.6 |
| 59 | 39 | 1.6 |
| 21A | 36 | 1.4 |
| 61 | 31 | 1.2 |
| 47 | 28 | 1.1 |
| 53 | 26 | 1.0 |
| 60A | 24 | 1.0 |
| 60 | 18 | .7 |
| 36B | 17 | .7 |
| 39 | 13 | .5 |
| 48 | 12 | .5 |
| 55 | 6 | .2 |
| 28 | 5 | .2 |
| 57 | 4 | .2 |
| 56 | 3 | .1 |
| 38 | 2 | .1 |
| 32 | 1 | .0 |
| 32A | 1 | .0 |
| 76 | 1 | .0 |

|  |  |  |
| --- | --- | --- |
| **Q9\_1\_Unit**  Unit preference (2nd) | | |
|  | n | % |
| 41 | 153 | 9.3 |
| 40 | 130 | 7.9 |
| 42 | 94 | 5.7 |
| 50 | 79 | 4.8 |
| 37A | 73 | 4.5 |
| 46 | 71 | 4.3 |
| 51 | 71 | 4.3 |
| 47 | 67 | 4.1 |
| 45 | 59 | 3.6 |
| 37 | 58 | 3.5 |
| 36A | 56 | 3.4 |
| 58 | 54 | 3.3 |
| 59 | 51 | 3.1 |
| 63 | 51 | 3.1 |
| 68 | 50 | 3.0 |
| 52A | 44 | 2.7 |
| 59A | 43 | 2.6 |
| 29 | 41 | 2.5 |
| 44 | 39 | 2.4 |
| 30A | 38 | 2.3 |
| 30 | 37 | 2.3 |
| 49 | 32 | 2.0 |
| 36 | 28 | 1.7 |
| 52 | 28 | 1.7 |
| 60A | 26 | 1.6 |
| 53 | 25 | 1.5 |
| 36B | 21 | 1.3 |
| 21A | 20 | 1.2 |
| 61 | 20 | 1.2 |
| 60 | 17 | 1.0 |
| 48 | 16 | 1.0 |
| 54 | 16 | 1.0 |
| 39 | 11 | .7 |
| 55 | 6 | .4 |
| 28 | 3 | .2 |
| 32 | 3 | .2 |
| 57 | 3 | .2 |
| 32A | 2 | .1 |
| 38 | 2 | .1 |
| 76 | 2 | .1 |
| — | — | — |

|  |  |  |
| --- | --- | --- |
| **Q9\_1\_Unit**  Unit preference (3rd) | | |
|  | n | % |
| 42 | 96 | 7.9 |
| 40 | 86 | 7.1 |
| 41 | 76 | 6.3 |
| 50 | 61 | 5.0 |
| 45 | 58 | 4.8 |
| 51 | 55 | 4.5 |
| 63 | 50 | 4.1 |
| 37 | 48 | 4.0 |
| 58 | 48 | 4.0 |
| 46 | 45 | 3.7 |
| 29 | 44 | 3.6 |
| 68 | 43 | 3.5 |
| 49 | 36 | 3.0 |
| 59 | 35 | 2.9 |
| 59A | 35 | 2.9 |
| 36 | 34 | 2.8 |
| 36A | 32 | 2.6 |
| 52A | 32 | 2.6 |
| 44 | 26 | 2.1 |
| 52 | 25 | 2.1 |
| 21A | 21 | 1.7 |
| 30 | 20 | 1.6 |
| 30A | 20 | 1.6 |
| 37A | 20 | 1.6 |
| 39 | 20 | 1.6 |
| 60A | 19 | 1.6 |
| 61 | 19 | 1.6 |
| 36B | 16 | 1.3 |
| 60 | 16 | 1.3 |
| 47 | 15 | 1.2 |
| 48 | 15 | 1.2 |
| 53 | 15 | 1.2 |
| 54 | 9 | .7 |
| 28 | 8 | .7 |
| 56 | 5 | .4 |
| 38 | 3 | .2 |
| 55 | 3 | .2 |
| 32 | 2 | .2 |
| 57 | 1 | .1 |
| 76 | 1 | .1 |
| — | — | — |

CENTER-FIRE RIFLE

|  |  |  |
| --- | --- | --- |
| **Q9\_1\_Unit**  Unit preference (1st) | | |
|  | n | % |
| 44 | 210 | 9.1 |
| 41 | 208 | 9.0 |
| 45 | 202 | 8.8 |
| 40 | 177 | 7.7 |
| 50 | 152 | 6.6 |
| 51 | 111 | 4.8 |
| 46 | 102 | 4.4 |
| 63 | 97 | 4.2 |
| 54 | 92 | 4.0 |
| 52 | 88 | 3.8 |
| 42 | 83 | 3.6 |
| 52A | 83 | 3.6 |
| 58 | 76 | 3.3 |
| 37 | 74 | 3.2 |
| 68 | 70 | 3.0 |
| 39 | 65 | 2.8 |
| 29 | 60 | 2.6 |
| 49 | 46 | 2.0 |
| 30 | 42 | 1.8 |
| 59A | 42 | 1.8 |
| 59 | 36 | 1.6 |
| 60A | 31 | 1.3 |
| 37A | 22 | 1.0 |
| 36B | 15 | .7 |
| 38 | 15 | .7 |
| 48 | 13 | .6 |
| 30A | 11 | .5 |
| 36A | 10 | .4 |
| 55 | 9 | .4 |
| 76 | 9 | .4 |
| 21A | 8 | .3 |
| 60 | 8 | .3 |
| 28 | 7 | .3 |
| 61 | 6 | .3 |
| 32 | 5 | .2 |
| 36 | 5 | .2 |
| 53 | 4 | .2 |
| 47 | 3 | .1 |
| 56 | 3 | .1 |
| 57 | 3 | .1 |
| — | — | — |

|  |  |  |
| --- | --- | --- |
| **Q9\_1\_Unit**  Unit preference (2nd) | | |
|  | n | % |
| 44 | 117 | 9.2 |
| 41 | 114 | 9.0 |
| 45 | 108 | 8.5 |
| 40 | 82 | 6.5 |
| 52 | 81 | 6.4 |
| 42 | 75 | 5.9 |
| 51 | 60 | 4.7 |
| 59 | 51 | 4.0 |
| 46 | 46 | 3.6 |
| 50 | 46 | 3.6 |
| 58 | 37 | 2.9 |
| 39 | 34 | 2.7 |
| 37A | 33 | 2.6 |
| 63 | 33 | 2.6 |
| 52A | 32 | 2.5 |
| 68 | 31 | 2.4 |
| 49 | 28 | 2.2 |
| 37 | 25 | 2.0 |
| 59A | 25 | 2.0 |
| 29 | 23 | 1.8 |
| 54 | 23 | 1.8 |
| 48 | 19 | 1.5 |
| 30 | 17 | 1.3 |
| 53 | 16 | 1.3 |
| 60 | 14 | 1.1 |
| 60A | 12 | .9 |
| 47 | 11 | .9 |
| 28 | 9 | .7 |
| 30A | 8 | .6 |
| 55 | 8 | .6 |
| 61 | 8 | .6 |
| 36A | 7 | .6 |
| 36B | 7 | .6 |
| 38 | 7 | .6 |
| 57 | 6 | .5 |
| 21A | 4 | .3 |
| 56 | 4 | .3 |
| 32A | 3 | .2 |
| 36 | 2 | .2 |
| 76 | 2 | .2 |
| 32 | 1 | .1 |

|  |  |  |
| --- | --- | --- |
| **Q9\_1\_Unit**  Unit preference (3rd) | | |
|  | n | % |
| 40 | 71 | 8.3 |
| 41 | 57 | 6.6 |
| 45 | 57 | 6.6 |
| 44 | 56 | 6.5 |
| 52 | 50 | 5.8 |
| 42 | 45 | 5.2 |
| 46 | 44 | 5.1 |
| 51 | 37 | 4.3 |
| 63 | 36 | 4.2 |
| 58 | 34 | 4.0 |
| 50 | 31 | 3.6 |
| 39 | 28 | 3.3 |
| 29 | 25 | 2.9 |
| 49 | 24 | 2.8 |
| 52A | 24 | 2.8 |
| 54 | 24 | 2.8 |
| 68 | 23 | 2.7 |
| 59A | 22 | 2.6 |
| 37 | 19 | 2.2 |
| 59 | 13 | 1.5 |
| 61 | 13 | 1.5 |
| 36A | 11 | 1.3 |
| 30 | 10 | 1.2 |
| 30A | 10 | 1.2 |
| 60A | 10 | 1.2 |
| 36 | 9 | 1.0 |
| 53 | 9 | 1.0 |
| 28 | 8 | .9 |
| 37A | 8 | .9 |
| 48 | 8 | .9 |
| 47 | 7 | .8 |
| 36B | 6 | .7 |
| 21A | 5 | .6 |
| 32 | 5 | .6 |
| 38 | 4 | .5 |
| 55 | 4 | .5 |
| 56 | 4 | .5 |
| 57 | 3 | .3 |
| 60 | 3 | .3 |
| 32A | 1 | .1 |
| 76 | 1 | .1 |

**Q9\_Unit**

Among the units you could hunt during the most recent season you hunted, which three units did you hunt pronghorn the most? Please list up to three units in order from the most to least about amount of time spent hunting pronghorn.

Comments and Interpretation:

* Similar interpretation as the statewide results but with unit 44 more prominent among rifle hunters.
  + With the caveat that I do not know the controlled hunt regulations so unit 44 may be a center-fire hunt unit.
  + Someone may want to run through these and color-code or otherwise note if a unit is archery or rifle only.
* Similar to statewide results, additional analysis could control for participants zip code proportional (weighted) preference rather than raw rankings or could correlate preferences with herd metrics.

|  |  |  |  |
| --- | --- | --- | --- |
| **Q10\_Land\_Type**  Which land type did you hunt on most often for pronghorn? | | | |
|  |  | n | % |
| Bow | Public | 2049 | 85 |
|  | Private | 72 | 3 |
|  | A mix of public and private land | 297 | 12 |
|  |  |  |  |
| Rifle | Public | 1587 | 74 |
|  | Private | 174 | 8 |
|  | A mix of public and private land | 385 | 18 |

Comments and Interpretation:

* Bow hunters tend to rely on public land more than rifle hunters, and rifle hunters use slightly more private and mixed land.

|  |  |  |  |
| --- | --- | --- | --- |
| **Q11\_Land\_Type**  When you hunted pronghorn on both private and public land, what percentage of your time did you hunt on each? | | | |
|  |  | M | SD |
| Bow | Public | 55.8 | 23.0 |
|  | Private | 44.2 | 23.0 |
|  |  |  |  |
| Rifle | Public | 54.0 | 22.8 |
|  | Private | 46.0 | 22.8 |
| Note. Participants answered only if Q10 = “A mix of public and private land” (nrifle = 385; nbow = 297). | | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **Q13\_Harvest**  Did you harvest a pronghorn (during the most recent season you hunted)? | | | |
|  |  | n | % |
| Bow | No | 1910 | 79 |
|  | Yes | 498 | 21 |
|  |  |  |  |
| Rifle | No | 573 | 27 |
|  | Yes | 1552 | 73 |

Comments and Interpretation:

* Harvest success of both hunter groups aligns with MHR data:
  + 2016-20 archery harvest success average: 17-27%
  + 2016-20 center-fire harvest success average: 66-74%

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Q14\_Crowd**  Which rating — from "not crowded" to "extremely crowded" — best describes the level of crowding you experienced (during the most recent season you hunted)? | | | | | | | | | | | | |
|  | Descriptive | | | Frequency (%) | | | | | | | | |
|  | n | M | SD | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| Bow | 2397 | 4.6 | 2.7 | 20 | 11 | 9 | 7 | 12 | 12 | 12 | 6 | 11 |
| Rifle | 2101 | 3.3 | 2.3 | 33 | 15 | 13 | 9 | 12 | 7 | 7 | 2 | 3 |
| Note. Scale: 1-2 (not at all), 3-4 (slightly), 5-7 (moderately), 8-9 (extremely) | | | | | | | | | | | | |

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Q15\_Crowd\_Numbers**  Which rating — from "fewer hunters" to "more hunters" — best describes how you feel the number of other pronghorn hunters have changed since 2015? | | | | | | | | | | | | |
|  | Descriptive | | | Frequency (%) | | | | | | | | |
|  | n | M | SD | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| Bow | 2367 | 6.5 | 2.3 | 4 | 4 | 5 | 6 | 16 | 11 | 15 | 9 | 31 |
| Rifle | 2050 | 5.5 | 2.3 | 6 | 5 | 9 | 9 | 25 | 10 | 12 | 5 | 17 |
| Note. Scale: 1 (fewer hunters) – 9 (more hunters) | | | | | | | | | | | | |

Comments and Interpretation:

* Similar interpretation of the statewide results.

|  |  |  |  |
| --- | --- | --- | --- |
| **Q16\_Crowd\_Reason**  What contributes most to the crowding you experience hunting pronghorn in your preferred units? | | | |
|  |  | n | % |
| Bow | Other people | 1348 | 57 |
|  | Access to land | 487 | 20 |
|  | Crowding is not an issue | 549 | 23 |
|  |  |  |  |
| Rifle | Other people | 715 | 34 |
|  | Access to land | 617 | 30 |
|  | Crowding is not an issue | 762 | 36 |

|  |  |  |  |
| --- | --- | --- | --- |
| **Q16A\_People** (Q16 = Other people)  In terms of other people, who contributes most to the crowding issues you experience? | | | |
|  |  | n | % |
| Bow | Other pronghorn hunters | 937 | 70 |
|  | Non-resident pronghorn hunters | 241 | 18 |
|  | Non-hunters that use the same areas | 140 | 11 |
|  | Sage-grouse hunters | 21 | 2 |
|  |  |  |  |
| Rifle | Other pronghorn hunters | 414 | 59 |
|  | Non-resident pronghorn hunters | 153 | 22 |
|  | Non-hunters that use the same areas | 122 | 17 |
|  | Sage-grouse hunters | 16 | 2 |

|  |  |  |  |
| --- | --- | --- | --- |
| **Q16B\_Access** (Q16 = Access to land)  In terms of land access, what contributes the most to access issues you experience? | | | |
|  |  | n | % |
| Bow | Limited access to private property | 210 | 44 |
|  | Competition for specific hunting locations | 201 | 42 |
|  | Limited road or trail access | 38 | 8 |
|  | Waterholes are too close to roads | 24 | 5 |
|  | Personal issues | 10 | 2 |
|  |  |  |  |
| Rifle | Limited access to private property | 395 | 65 |
|  | Competition for specific hunting locations | 89 | 15 |
|  | Limited road or trail access | 85 | 14 |
|  | Waterholes are too close to roads | 17 | 3 |
|  | Personal issues | 20 | 3 |

Comments and Interpretation:

* Rifle hunters tend to view crowding as less of an issue than bow hunters and are somewhat evenly split between other hunter, access, and crowding not being an issue.
  + This may mean there are more various issues that influence perceptions of crowding among rifle hunters but recall that crowding perception is not high.
  + Limited access to private property is the main issue in terms of access.
* Bow hunters view other people as the primary crowding issue and other hunters are the main reason for 88% of participants.
  + Crowding was not an issue for nearly one-quarter of participants and recall that crowding perception is not high.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Q17\_Difficult**  How difficult or easy was it for you to hunt pronghorn in your preferred units? | | | | | | | |
|  | Descriptive | | | Frequency (%) | | | |
|  | n | M | SD | 1 | 2 | 3 | 4 |
| Bow | 2367 | 2.4 | .8 | 11 | 46 | 37 | 7 |
| Rifle | 2074 | 2.7 | .7 | 4 | 32 | 54 | 10 |
| Note. Scale: very difficult (1), difficult (2), easy (3), very easy (4) | | | | | | | |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Q18\_Encounter**  How often did you encounter other pronghorn hunters? | | | | | | | | |
|  | Descriptive | | | Frequency (%) | | | | |
|  | n | M | SD | 1 | 2 | 3 | 4 | 5 |
| Bow | 2368 | 3.5 | 1.1 | 4 | 14 | 29 | 33 | 19 |
| Rifle | 2082 | 3.0 | 1.0 | 8 | 23 | 39 | 23 | 7 |
| Note. Scale: never (1), rarely (2), sometimes (3), often (4), always (5) | | | | | | | | |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Q19\_Displacement**  How often did you move to another location because of other pronghorn hunters? | | | | | | | | |
|  | Descriptive | | | Frequency (%) | | | | |
|  | n | M | SD | 1 | 2 | 3 | 4 | 5 |
| Bow | 2371 | 2.7 | 1.2 | 23 | 16 | 31 | 26 | 5 |
| Rifle | 2081 | 2.3 | 1.1 | 34 | 21 | 30 | 13 | 2 |
| Note. Scale: never (1), rarely (2), sometimes (3), often (4), always (5) | | | | | | | | |

Comments and Interpretation:

* Similar interpretation of the statewide results.

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Q20\_Encounter\_SageGrouse**  How often did you encounter sage-grouse hunters? | | | | | | | | |
|  | Descriptive | | | Frequency (%) | | | | |
|  | n | M | SD | 1 | 2 | 3 | 4 | 5 |
| Bow | 2362 | 1.6 | .9 | 62 | 23 | 11 | 3 | 1 |
| Rifle | 2062 | 1.6 | .8 | 64 | 22 | 11 | 3 | 1 |
| Note. Scale: never (1), rarely (2), sometimes (3), often (4), always (5) | | | | | | | | |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Q21\_Displacement\_SageGrouse**  How often did you move to another location because of sage-grouse hunters? | | | | | | | | |
|  | Descriptive | | | Frequency (%) | | | | |
|  | n | M | SD | 1 | 2 | 3 | 4 | 5 |
| Bow | 2364 | 1.2 | .6 | 85 | 9 | 5 | 1 | <1 |
| Rifle | 2068 | 1.2 | .6 | 85 | 9 | 5 | 1 | 1 |
| Note. Scale: never (1), rarely (2), sometimes (3), often (4), always (5) | | | | | | | | |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Q22\_Fights**  How many verbal or physical altercations did you personally see or experience while on a pronghorn hunting trip? | | | | | | |
|  | Descriptive | | | Frequency (%) | | |
|  | n | M | SD | 1 | 2 | 3 |
| Bow | 2361 | 1.2 | .5 | 81 | 15 | 3 |
| Rifle | 2065 | 1.1 | .3 | 92 | 7 | 1 |
| Note. Scale: none (1), a few (2), several (3) | | | | | | |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Q23\_Vandalism**  How often did you personally see or experience vandalism or theft while on a hunting trip? | | | | | | |
|  | Descriptive | | | Frequency (%) | | |
|  | n | M | SD | 1 | 2 | 3 |
| Bow | 2364 | 1.2 | .5 | 84 | 13 | 3 |
| Rifle | 2070 | 1.1 | .3 | 94 | 5 | 1 |
| Note. Scale: never (1), once or twice (2), more than twice (3) | | | | | | |

Comments and Interpretation:

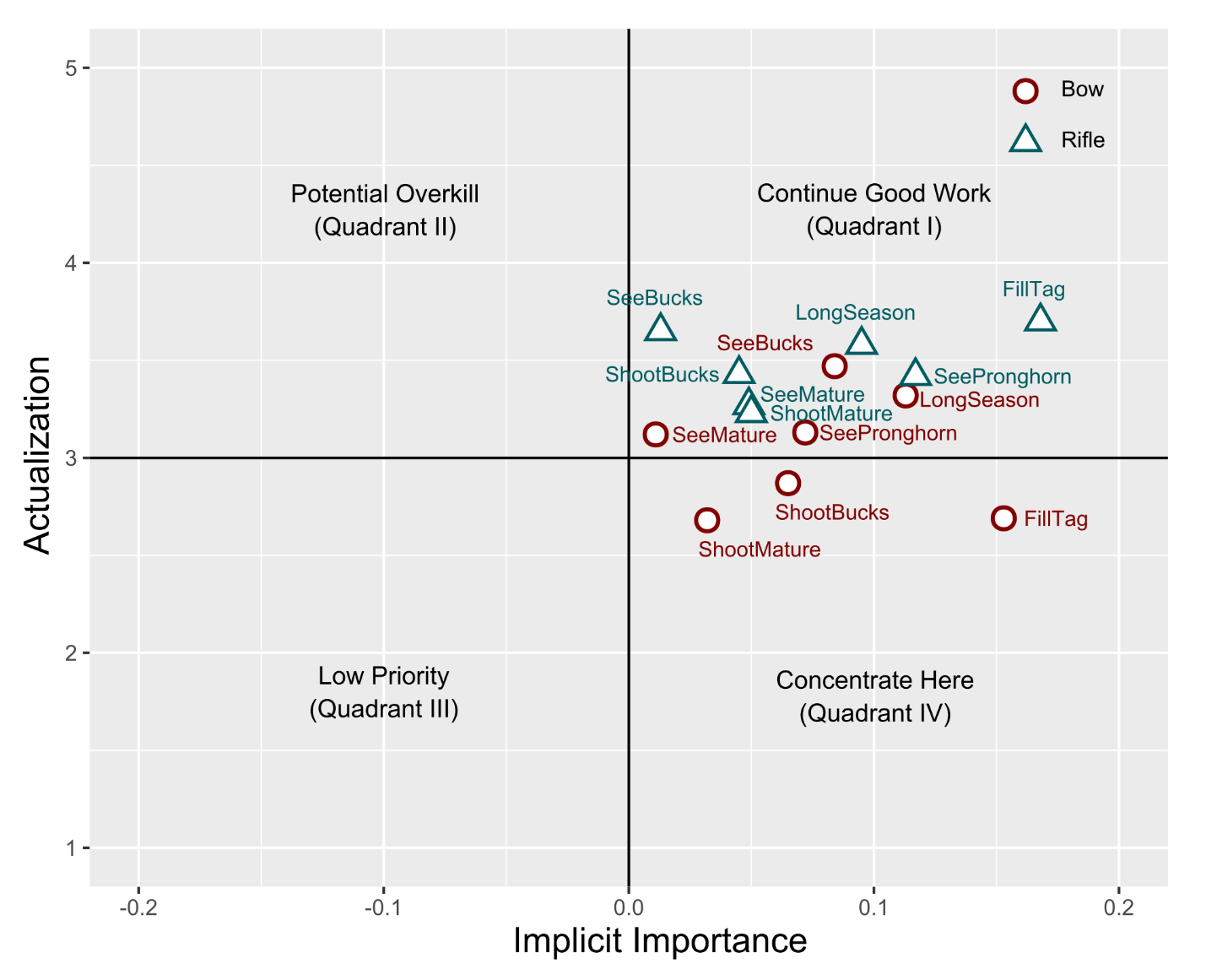
* Bow hunters tend to experience or see more physical/verbal altercations or vandalism/theft than rifle hunters.
  + These results can be correlated with CO reports and potentially geolocated.

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Q24\_1\_Satf\_SeeBuck TO Q24\_7\_Satf\_LongSeason**  How satisfied were you with the following (during the most recent season you hunted)? | | | | | | | | | |
|  |  | Descriptive | | | Frequency (%) | | | | |
|  |  | n | M | SD | 1 | 2 | 3 | 4 | 5 |
| Bow | Seeing any bucks | 2337 | 3.5 | 1.0 | 4 | 14 | 21 | 52 | 9 |
|  | Seeing mature bucks | 2333 | 3.1 | 1.1 | 9 | 22 | 22 | 40 | 7 |
|  | Shooting at any bucks | 2332 | 2.9 | 1.0 | 11 | 21 | 41 | 24 | 3 |
|  | Shooting at mature bucks | 2328 | 2.7 | 1.0 | 16 | 24 | 39 | 19 | 3 |
|  | Filling my tag | 2327 | 2.7 | 1.1 | 18 | 24 | 36 | 18 | 5 |
|  | Seeing lots of pronghorn | 2327 | 3.1 | 1.1 | 9 | 22 | 23 | 37 | 8 |
|  | Having a long season | 2329 | 3.3 | 1.0 | 5 | 13 | 33 | 42 | 7 |
|  |  |  |  |  |  |  |  |  |  |
| Rifle | Seeing any bucks | 2042 | 3.6 | .9 | 3 | 10 | 19 | 55 | 13 |
|  | Seeing mature bucks | 2032 | 3.3 | 1.1 | 7 | 18 | 23 | 43 | 9 |
|  | Shooting at any bucks | 2010 | 3.4 | 1.0 | 5 | 9 | 34 | 42 | 10 |
|  | Shooting at mature bucks | 2013 | 3.2 | 1.1 | 8 | 15 | 32 | 36 | 9 |
|  | Filling my tag | 2035 | 3.7 | 1.1 | 7 | 9 | 15 | 48 | 22 |
|  | Seeing lots of pronghorn | 2031 | 3.4 | 1.1 | 6 | 16 | 20 | 45 | 13 |
|  | Having a long season | 2027 | 3.6 | .9 | 3 | 7 | 30 | 48 | 12 |
| Note. Scale: very dissatisfied (1), dissatisfied (2), neither (3), satisfied (4), very satisfied (5) | | | | | | | | | |

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Q25\_1\_Import\_SeeBuck TO Q25\_7\_Import\_LongSeason**  How important are the following experiences to your Idaho pronghorn hunting satisfaction? | | | | | | | | | |
|  |  | Descriptive | | | Frequency (%) | | | | |
|  |  | n | M | SD | 1 | 2 | 3 | 4 | 5 |
| Bow | Seeing any bucks | 2331 | 3.8 | .8 | 1 | 4 | 25 | 50 | 20 |
|  | Seeing mature bucks | 2324 | 3.7 | .9 | 1 | 6 | 30 | 42 | 20 |
|  | Shooting at any bucks | 2323 | 3.2 | 1.0 | 7 | 16 | 39 | 29 | 10 |
|  | Shooting at mature bucks | 2320 | 3.3 | 1.1 | 5 | 15 | 37 | 29 | 14 |
|  | Filling my tag | 2320 | 3.1 | 1.1 | 9 | 19 | 37 | 22 | 14 |
|  | Seeing lots of pronghorn | 2321 | 4.0 | .8 | — | 4 | 21 | 48 | 27 |
|  | Having a long season | 2317 | 3.4 | 1.0 | 3 | 12 | 38 | 31 | 16 |
|  |  |  |  |  |  |  |  |  |  |
| Rifle | Seeing any bucks | 2036 | 3.8 | .9 | 3 | 5 | 22 | 49 | 22 |
|  | Seeing mature bucks | 2029 | 3.8 | 1.0 | 3 | 6 | 23 | 43 | 25 |
|  | Shooting at any bucks | 2024 | 3.2 | 1.1 | 10 | 12 | 34 | 31 | 13 |
|  | Shooting at mature bucks | 2021 | 3.6 | 1.1 | 6 | 8 | 28 | 36 | 21 |
|  | Filling my tag | 2023 | 3.6 | 1.1 | 4 | 11 | 31 | 31 | 23 |
|  | Seeing lots of pronghorn | 2023 | 4.0 | .8 | — | 3 | 22 | 50 | 25 |
|  | Having a long season | 2024 | 3.5 | 1.0 | 4 | 9 | 37 | 33 | 16 |
| Note. Scale: very dissatisfied (1), dissatisfied (2), neither (3), satisfied (4), very satisfied (5) | | | | | | | | | |

Comments and Interpretation:

* Similar interpretation of the statewide results except that archery issues within Quadrant 4 are likely a manifestation of archery harvest success being lower than center-fire.



|  |  |  |  |
| --- | --- | --- | --- |
| **Q26\_MatureBuck**  What do you consider a mature pronghorn buck? | | | |
|  |  | n | % |
| Bow | Any adult male | 121 | 5 |
|  | Horn length greater than 10-inches | 298 | 13 |
|  | Horn length greater than 12-inches | 955 | 41 |
|  | Horn length greater than 14-inches | 828 | 36 |
|  | Horn length greater than 16-inches | 91 | 4 |
|  | Other | 31 | 1 |
|  |  |  |  |
| Rifle | Any adult male | 128 | 6 |
|  | Horn length greater than 10-inches | 253 | 13 |
|  | Horn length greater than 12-inches | 693 | 34 |
|  | Horn length greater than 14-inches | 797 | 39 |
|  | Horn length greater than 16-inches | 114 | 6 |
|  | Other | 42 | 2 |

Comments and Interpretation:

* Similar interpretation of the statewide results.

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Q27\_1\_Motv\_Family TO Q27\_7\_Motv\_DemoSkills**  How well do each of the following statements describe why you hunt pronghorn in Idaho? | | | | | | | | | |
|  |  | Descriptive | | | Frequency (%) | | | | |
|  |  | n | M | SD | 1 | 2 | 3 | 4 | 5 |
| Bow | To enjoy time spent with friends/family | 2321 | 3.8 | 1.1 | 6 | 8 | 20 | 34 | 32 |
|  | To enjoy nature and the outdoors | 2321 | 4.3 | .7 | — | 1 | 11 | 41 | 47 |
|  | Excitement of pronghorn hunting | 2321 | 4.1 | .8 | 1 | 3 | 18 | 46 | 32 |
|  | To bring meat home for food | 2322 | 3.6 | 1.1 | 4 | 11 | 26 | 33 | 25 |
|  | Challenge of hunting pronghorn | 2321 | 3.9 | .9 | 2 | 3 | 25 | 43 | 27 |
|  | To get a mature buck | 2318 | 3.1 | 1.0 | 7 | 18 | 42 | 24 | 8 |
|  | To demonstrate my hunting skills | 2320 | 2.9 | 1.3 | 20 | 14 | 33 | 21 | 12 |
|  |  |  |  |  |  |  |  |  |  |
| Rifle | To enjoy time spent with friends/family | 2015 | 4.0 | 1.0 | 4 | 5 | 17 | 37 | 38 |
|  | To enjoy nature and the outdoors | 2016 | 4.3 | .8 | — | 1 | 10 | 41 | 47 |
|  | Excitement of pronghorn hunting | 2012 | 4.0 | .9 | 1 | 4 | 21 | 43 | 31 |
|  | To bring meat home for food | 2015 | 3.7 | 1.1 | 5 | 8 | 26 | 31 | 31 |
|  | Challenge of hunting pronghorn | 2010 | 3.7 | 1.0 | 4 | 6 | 30 | 38 | 22 |
|  | To get a mature buck | 2006 | 3.3 | 1.2 | 10 | 12 | 33 | 30 | 15 |
|  | To demonstrate my hunting skills | 2006 | 2.7 | 1.3 | 24 | 15 | 33 | 17 | 10 |
| Note. Scale: not at all (1), a little bit (2), somewhat (3), mostly (4), completely (5) | | | | | | | | | |

Comments and Interpretation:

* Similar interpretation of the statewide results.

|  |  |  |  |
| --- | --- | --- | --- |
| **Q28A\_1\_OpportValue**  Which pronghorn hunting opportunity do you value the most (harvest)? | | | |
|  |  | n | % |
| Bow | Harvest any pronghorn in a given year | 1188 | 52 |
|  | Harvest a mature buck in a given year | 1121 | 48 |
|  |  |  |  |
| Rifle | Harvest any pronghorn in a given year | 879 | 44 |
|  | Harvest a mature buck in a given year | 1137 | 56 |

|  |  |  |  |
| --- | --- | --- | --- |
| **Q28A\_2\_OpportValue**  Which pronghorn hunting opportunity do you value the most (hunt)? | | | |
|  |  | n | % |
| Bow | Hunt pronghorn with less competition from other hunters | 875 | 38 |
|  | Hunt pronghorn every year | 1443 | 62 |
|  |  |  |  |
| Rifle | Hunt pronghorn with less competition from other hunters | 1026 | 51 |
|  | Hunt pronghorn every year | 988 | 49 |

|  |  |  |  |
| --- | --- | --- | --- |
| **Q28A\_3\_OpportValue**  Which pronghorn hunting opportunity do you value the most (forced choice)? | | | |
|  |  | n | % |
| Bow | Harvest-focused selection | 702 | 31 |
|  | Hunt-focused selection | 1598 | 69 |
|  |  |  |  |
| Rifle | Harvest-focused selection | 919 | 46 |
|  | Hunt-focused selection | 1078 | 54 |

Comments and Interpretation:

* Similar interpretation of the statewide results for bow hunters but rifle hunters are more evenly split.
  + I interpret this through the lens of harvest success rates given rifle hunting yields a higher average harvest success rate, so center-fire rifle hunters have a higher expectation of harvest (have the benefit of focusing on harvest more), which may translate to a preference for harvest opportunities.

## Recency

Analysis includes respondents who applied to hunt pronghorns in Idaho within the past 1-4 years (Q1) AND have hunted pronghorn for 1-4 season (Q2); excludes hunters prior to 2015 (Q8)

|  |  |  |  |
| --- | --- | --- | --- |
| **Q2A\_Weapon\_Preference**  Since you started hunting pronghorn in Idaho, which weapon have you used most often? | | | |
|  |  | n | % |
| 1-4 yrs | Bow | 905 | 49 |
|  | Rifle | 842 | 45 |
|  | Muzzleloader | 97 | 5 |
|  | Other | 9 | 1 |
|  |  |  |  |
| 5-20+ yrs | Bow | 923 | 68 |
|  | Rifle | 315 | 23 |
|  | Muzzleloader | 100 | 7 |
|  | Other | 14 | 1 |

|  |  |  |  |
| --- | --- | --- | --- |
| **Q2A\_Weapon\_Exclusive**  Do you only hunt pronghorn with preferred weapon? | | | |
|  |  | n | % |
| 1-4 yrs | No, I will hunt with any weapon allowed by tag | 971 | 53 |
|  | Yes, I will only hunt with my preferred weapon | 876 | 47 |
|  |  |  |  |
| 5-20+ yrs | No, I will hunt with any weapon allowed by tag | 855 | 63 |
|  | Yes, I will only hunt with my preferred weapon | 495 | 37 |

|  |  |  |  |
| --- | --- | --- | --- |
| **Q3\_ATV**  How often do you bring an ATV/UTV to hunt pronghorn? | | | |
|  |  | n | % |
| 1-4 yrs | Never | 924 | 50 |
|  | Rarely | 258 | 14 |
|  | Sometimes | 290 | 16 |
|  | Often | 169 | 9 |
|  | Always | 212 | 11 |
|  |  |  |  |
| 5-20+ yrs | Never | 460 | 34 |
|  | Rarely | 262 | 19 |
|  | Sometimes | 252 | 19 |
|  | Often | 174 | 13 |
|  | Always | 205 | 15 |

Comments and Interpretation:

* Age differences.

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Q4\_Satf\_1 TO Q4\_Satf\_5**  Since you started hunting pronghorn in Idaho, how satisfied are you with the following: | | | | | | | | | |
|  |  | Descriptive | | | Frequency (%) | | | | |
|  |  | n | M | SD | 1 | 2 | 3 | 4 | 5 |
| 1-4 yrs | Overall pronghorn hunting experience | 1848 | 3.7 | .9 | 3 | 9 | 17 | 54 | 17 |
|  | Pronghorn tag draw odds | 1847 | 3.0 | 1.1 | 11 | 24 | 26 | 32 | 7 |
|  | Pronghorn harvest success | 1849 | 3.4 | 1.1 | 6 | 14 | 28 | 38 | 14 |
|  | Number of pronghorn | 1840 | 3.6 | .9 | 2 | 14 | 21 | 51 | 12 |
|  | Amount of pronghorn habitat | 1847 | 3.8 | .9 | 2 | 7 | 19 | 57 | 15 |
|  |  |  |  |  |  |  |  |  |  |
| 5-20+ yrs | Overall pronghorn hunting experience | 1346 | 3.6 | 1.0 | 3 | 13 | 18 | 55 | 11 |
|  | Pronghorn tag draw odds | 1343 | 2.6 | 1.2 | 21 | 30 | 21 | 24 | 5 |
|  | Pronghorn harvest success | 1347 | 3.5 | 1.0 | 4 | 13 | 21 | 51 | 11 |
|  | Number of pronghorn | 1349 | 3.2 | 1.1 | 6 | 24 | 18 | 44 | 7 |
|  | Amount of pronghorn habitat | 1346 | 3.7 | .9 | 3 | 9 | 18 | 59 | 11 |
| Note. Scale: very dissatisfied (1), dissatisfied (2), neither (3), satisfied (4), very satisfied (5) | | | | | | | | | |

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Q5\_Numbers\_Change**  Since you started hunting pronghorn in Idaho, how has the number of pronghorn changed in your preferred hunting area? | | | | | | | | | |
|  |  | Descriptive | | | Frequency (%) | | | | |
|  |  | n | M | SD | 1 | 2 | 3 | 4 | 5 |
| 1-4 yrs | Hunter numbers change | 1840 | 2.8 | .7 | 4 | 20 | 67 | 7 | 1 |
| 5-20+ yrs | Hunter numbers change | 1348 | 2.3 | .9 | 18 | 41 | 33 | 7 | 1 |
| Note. Scale: greatly decreased (1), decreased (2), no change (3), increased (4), greatly increased (5) | | | | | | | | | |

Comments and Interpretation:

* More recent hunters perceive an increase in the number of other hunters.
  + Result of season structure changes in the past several years?

|  |  |  |  |
| --- | --- | --- | --- |
| **Q6A\_Numbers\_Decrease**  In your opinion, what one issue has most caused the number of pronghorn populations to decrease in your preferred hunting area? | | | |
|  |  | n | % |
| 1-4 yrs | Presence of ATVs/UTVs | 62 | 14 |
|  | Severe winters | 57 | 13 |
|  | Habitat loss | 53 | 12 |
|  | Competition with grazing | 51 | 12 |
|  | Over-harvest | 49 | 11 |
|  | Predators | 48 | 11 |
|  | High road densities | 31 | 7 |
|  | Water availability | 31 | 7 |
|  | Water hole locations | 27 | 6 |
|  | Fencing | 21 | 5 |
|  | Connectivity | 12 | 3 |
|  |  |  |  |
| 5-20+ yrs | Severe winters | 177 | 23 |
|  | Over-harvest | 115 | 15 |
|  | Competition with grazing | 82 | 11 |
|  | Predators | 81 | 10 |
|  | Water availability | 74 | 10 |
|  | Habitat loss | 73 | 9 |
|  | Presence of ATVs/UTVs | 71 | 9 |
|  | Water hole locations | 37 | 5 |
|  | High road densities | 31 | 4 |
|  | Connectivity | 25 | 3 |
|  | Fencing | 15 | 2 |
| Note. Participant answered only if Q5 = greatly decreased (1), decreased (2) | | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **Q6B\_Numbers\_Increase**  In your opinion, what one issue has most caused the number of pronghorn populations to increase in your preferred hunting area? | | | |
|  |  | n | % |
| 1-4 yrs | Harvest limits | 48 | 31 |
|  | Mild winters | 38 | 25 |
|  | Lack of competition | 17 | 11 |
|  | Water availability | 11 | 7 |
|  | Low road densities | 10 | 7 |
|  | Lack of ATVs/UTVs | 8 | 5 |
|  | Water hole abundance | 8 | 5 |
|  | Habitat improvements | 6 | 4 |
|  | Reduced predation | 6 | 4 |
|  | Connectivity improvement | 3 | 2 |
|  |  |  |  |
| 5-20+ yrs | Mild winters | 32 | 31 |
|  | Harvest limits | 28 | 27 |
|  | Water availability | 11 | 11 |
|  | Lack of competition | 9 | 9 |
|  | Habitat improvements | 5 | 5 |
|  | Low road densities | 5 | 5 |
|  | Water hole abundance | 5 | 5 |
|  | Connectivity improvement | 4 | 4 |
|  | Lack of ATVs/UTVs | 3 | 3 |
|  | Reduced predation | 2 | 2 |
| Note. Participant answered only if Q5 = increased (4), greatly increased (5) | | | |

Comments and Interpretation:

* Similar interpretation of the statewide results.

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Q7\_Harvest\_Success**  Since you started hunting pronghorn in Idaho, how has your harvest success changed? | | | | | | | | | |
|  |  | Descriptive | | | Frequency (%) | | | | |
|  |  | n | M | SD | 1 | 2 | 3 | 4 | 5 |
| 1-4 yrs | Harvest success change | 1848 | 2.9 | .5 | 1 | 8 | 85 | 4 | 1 |
| 5-20+ yrs | Harvest success change | 1352 | 2.7 | .7 | 5 | 28 | 58 | 8 | 1 |
| Note. Scale: much worse (1), worse (2), no change (3), better (4), much better (5) | | | | | | | | | |

Comments and Interpretation:

* I interpreted this as the general bias that the longer you have hunted the worse things are, and more recent hunters have yet to experience that phenomena.
  + Or result of season structure changes in the past several years?

|  |  |  |  |
| --- | --- | --- | --- |
| **Q8\_Year\_Recent**  When was the last (most recent) year you hunted pronghorn in Idaho? | | | |
|  |  | n | % |
| 1-4 yrs | 2015 | 62 | 3 |
|  | 2016 | 96 | 5 |
|  | 2017 | 146 | 8 |
|  | 2018 | 241 | 13 |
|  | 2019 | 405 | 22 |
|  | 2020 | 906 | 49 |
|  |  |  |  |
| 5-20+ yrs | 2015 | 51 | 4 |
|  | 2016 | 60 | 4 |
|  | 2017 | 81 | 6 |
|  | 2018 | 152 | 11 |
|  | 2019 | 272 | 20 |
|  | 2020 | 737 | 55 |

1-4 YRS

|  |  |  |
| --- | --- | --- |
| **Q9\_1\_Unit**  Unit preference (1st) | | |
|  | n | % |
| 40 | 151 | 8.8 |
| 41 | 149 | 8.7 |
| 45 | 126 | 7.3 |
| 63 | 113 | 6.6 |
| 46 | 94 | 5.5 |
| 50 | 79 | 4.6 |
| 44 | 74 | 4.3 |
| 37 | 65 | 3.8 |
| 42 | 61 | 3.6 |
| 51 | 51 | 3.0 |
| 52A | 51 | 3.0 |
| 36 | 49 | 2.9 |
| 39 | 46 | 2.7 |
| 68 | 46 | 2.7 |
| 58 | 45 | 2.6 |
| 52 | 42 | 2.4 |
| 54 | 42 | 2.4 |
| 30 | 41 | 2.4 |
| 49 | 39 | 2.3 |
| 29 | 38 | 2.2 |
| 30A | 33 | 1.9 |
| 60A | 31 | 1.8 |
| 59A | 29 | 1.7 |
| 36A | 26 | 1.5 |
| 37A | 24 | 1.4 |
| 47 | 21 | 1.2 |
| 60 | 19 | 1.1 |
| 21A | 17 | 1.0 |
| 61 | 17 | 1.0 |
| 59 | 16 | .9 |
| 36B | 13 | .8 |
| 53 | 12 | .7 |
| 38 | 11 | .6 |
| 48 | 11 | .6 |
| 55 | 10 | .6 |
| 28 | 7 | .4 |
| 76 | 7 | .4 |
| 32 | 4 | .2 |
| 57 | 4 | .2 |
| 56 | 2 | .1 |
| 32A | 1 | .1 |

|  |  |  |
| --- | --- | --- |
| **Q9\_1\_Unit**  Unit preference (2nd) | | |
|  | n | % |
| 41 | 85 | 9.2 |
| 40 | 65 | 7.0 |
| 45 | 57 | 6.2 |
| 42 | 49 | 5.3 |
| 44 | 49 | 5.3 |
| 46 | 38 | 4.1 |
| 51 | 37 | 4.0 |
| 63 | 36 | 3.9 |
| 50 | 34 | 3.7 |
| 37A | 33 | 3.6 |
| 52 | 33 | 3.6 |
| 52A | 30 | 3.3 |
| 36A | 26 | 2.8 |
| 47 | 26 | 2.8 |
| 30 | 22 | 2.4 |
| 60A | 21 | 2.3 |
| 39 | 20 | 2.2 |
| 59 | 20 | 2.2 |
| 59A | 20 | 2.2 |
| 37 | 19 | 2.1 |
| 58 | 18 | 2.0 |
| 30A | 17 | 1.8 |
| 68 | 17 | 1.8 |
| 29 | 16 | 1.7 |
| 49 | 15 | 1.6 |
| 60 | 14 | 1.5 |
| 36 | 13 | 1.4 |
| 61 | 13 | 1.4 |
| 36B | 11 | 1.2 |
| 21A | 10 | 1.1 |
| 48 | 10 | 1.1 |
| 54 | 9 | 1.0 |
| 53 | 8 | .9 |
| 28 | 6 | .7 |
| 57 | 6 | .7 |
| 32A | 5 | .5 |
| 55 | 5 | .5 |
| 38 | 4 | .4 |
| 32 | 2 | .2 |
| 56 | 2 | .2 |
| 76 | 2 | .2 |

|  |  |  |
| --- | --- | --- |
| **Q9\_1\_Unit**  Unit preference (3rd) | | |
|  | n | % |
| 40 | 50 | 7.8 |
| 42 | 47 | 7.3 |
| 41 | 42 | 6.6 |
| 45 | 38 | 5.9 |
| 51 | 31 | 4.8 |
| 63 | 28 | 4.4 |
| 52 | 26 | 4.1 |
| 46 | 25 | 3.9 |
| 29 | 24 | 3.8 |
| 50 | 22 | 3.4 |
| 44 | 21 | 3.3 |
| 52A | 20 | 3.1 |
| 39 | 19 | 3.0 |
| 49 | 18 | 2.8 |
| 59A | 16 | 2.5 |
| 61 | 16 | 2.5 |
| 30 | 14 | 2.2 |
| 68 | 14 | 2.2 |
| 30A | 13 | 2.0 |
| 36 | 13 | 2.0 |
| 60A | 13 | 2.0 |
| 37 | 12 | 1.9 |
| 58 | 12 | 1.9 |
| 36A | 11 | 1.7 |
| 48 | 10 | 1.6 |
| 59 | 10 | 1.6 |
| 36B | 9 | 1.4 |
| 47 | 9 | 1.4 |
| 54 | 9 | 1.4 |
| 21A | 8 | 1.3 |
| 32 | 7 | 1.1 |
| 53 | 7 | 1.1 |
| 28 | 5 | .8 |
| 60 | 5 | .8 |
| 37A | 4 | .6 |
| 55 | 4 | .6 |
| 38 | 3 | .5 |
| 56 | 2 | .3 |
| 57 | 2 | .3 |
| 32A | 1 | .2 |
| — | — | — |

5-20+ YRS

|  |  |  |
| --- | --- | --- |
| **Q9\_1\_Unit**  Unit preference (1st) | | |
|  | n | % |
| 41 | 139 | 10.5 |
| 46 | 95 | 7.2 |
| 40 | 88 | 6.6 |
| 63 | 83 | 6.3 |
| 50 | 74 | 5.6 |
| 51 | 71 | 5.3 |
| 45 | 68 | 5.1 |
| 42 | 63 | 4.7 |
| 36 | 50 | 3.8 |
| 37 | 48 | 3.6 |
| 44 | 47 | 3.5 |
| 58 | 45 | 3.4 |
| 68 | 45 | 3.4 |
| 30A | 40 | 3.0 |
| 47 | 37 | 2.8 |
| 52A | 31 | 2.3 |
| 49 | 30 | 2.3 |
| 59 | 27 | 2.0 |
| 59A | 27 | 2.0 |
| 61 | 27 | 2.0 |
| 52 | 25 | 1.9 |
| 30 | 24 | 1.8 |
| 29 | 23 | 1.7 |
| 36A | 22 | 1.7 |
| 37A | 21 | 1.6 |
| 54 | 16 | 1.2 |
| 21A | 14 | 1.1 |
| 60A | 10 | .8 |
| 48 | 8 | .6 |
| 60 | 8 | .6 |
| 53 | 6 | .5 |
| 36B | 5 | .4 |
| 39 | 4 | .3 |
| 38 | 3 | .2 |
| 28 | 2 | .2 |
| 55 | 1 | .1 |
| 56 | 1 | .1 |
| — | — | — |
| — | — | — |
| — | — | — |
| — | — | — |

|  |  |  |
| --- | --- | --- |
| **Q9\_1\_Unit**  Unit preference (2nd) | | |
|  | n | % |
| 41 | 87 | 9.4 |
| 40 | 62 | 6.7 |
| 42 | 50 | 5.4 |
| 50 | 47 | 5.1 |
| 44 | 44 | 4.8 |
| 37A | 43 | 4.7 |
| 45 | 40 | 4.3 |
| 51 | 38 | 4.1 |
| 46 | 37 | 4.0 |
| 47 | 37 | 4.0 |
| 58 | 36 | 3.9 |
| 52 | 34 | 3.7 |
| 59 | 32 | 3.5 |
| 63 | 32 | 3.5 |
| 37 | 28 | 3.0 |
| 68 | 23 | 2.5 |
| 36A | 22 | 2.4 |
| 59A | 22 | 2.4 |
| 30A | 21 | 2.3 |
| 29 | 20 | 2.2 |
| 30 | 20 | 2.2 |
| 49 | 20 | 2.2 |
| 52A | 17 | 1.8 |
| 53 | 16 | 1.7 |
| 36B | 12 | 1.3 |
| 60A | 12 | 1.3 |
| 48 | 11 | 1.2 |
| 39 | 10 | 1.1 |
| 54 | 10 | 1.1 |
| 60 | 10 | 1.1 |
| 21A | 9 | 1.0 |
| 36 | 9 | 1.0 |
| 61 | 7 | .8 |
| 38 | 2 | .2 |
| 28 | 1 | .1 |
| 32 | 1 | .1 |
| 57 | 1 | .1 |
| — | — | — |
| — | — | — |
| — | — | — |
| — | — | — |

|  |  |  |
| --- | --- | --- |
| **Q9\_1\_Unit**  Unit preference (3rd) | | |
|  | n | % |
| 40 | 47 | 6.5 |
| 41 | 46 | 6.4 |
| 42 | 46 | 6.4 |
| 45 | 40 | 5.6 |
| 58 | 36 | 5.0 |
| 63 | 35 | 4.9 |
| 50 | 34 | 4.7 |
| 51 | 34 | 4.7 |
| 37 | 30 | 4.2 |
| 44 | 29 | 4.0 |
| 59 | 26 | 3.6 |
| 49 | 25 | 3.5 |
| 46 | 24 | 3.3 |
| 68 | 24 | 3.3 |
| 52 | 22 | 3.1 |
| 29 | 20 | 2.8 |
| 36A | 18 | 2.5 |
| 52A | 17 | 2.4 |
| 59A | 17 | 2.4 |
| 36 | 16 | 2.2 |
| 37A | 14 | 1.9 |
| 60A | 11 | 1.5 |
| 21A | 10 | 1.4 |
| 36B | 10 | 1.4 |
| 47 | 10 | 1.4 |
| 53 | 10 | 1.4 |
| 61 | 10 | 1.4 |
| 39 | 9 | 1.3 |
| 60 | 9 | 1.3 |
| 30 | 8 | 1.1 |
| 30A | 8 | 1.1 |
| 54 | 8 | 1.1 |
| 28 | 6 | .8 |
| 48 | 5 | .7 |
| 38 | 3 | .4 |
| 56 | 1 | .1 |
| 57 | 1 | .1 |
| — | — | — |
| — | — | — |
| — | — | — |
| — | — | — |

**Q9\_Unit**

Among the units you could hunt during the most recent season you hunted, which three units did you hunt pronghorn the most? Please list up to three units in order from the most to least about amount of time spent hunting pronghorn.

Comments and Interpretation:

* Similar interpretation as statewide results and no initial dissimilarities between recency user segments.

|  |  |  |  |
| --- | --- | --- | --- |
| **Q10\_Land\_Type**  Which land type did you hunt on most often for pronghorn? | | | |
|  |  | n | % |
| 1-4 yrs | Public | 1435 | 81 |
|  | Private | 98 | 6 |
|  | A mix of public and private land | 245 | 14 |
|  |  |  |  |
| 5-20+ yrs | Public | 1025 | 77 |
|  | Private | 71 | 5 |
|  | A mix of public and private land | 238 | 18 |

|  |  |  |  |
| --- | --- | --- | --- |
| **Q11\_Land\_Type**  When you hunted pronghorn on both private and public land, what percentage of your time did you hunt on each? | | | |
|  |  | M | SD |
| 1-4 yrs | Public | 54 | 24.0 |
|  | Private | 46 | 24.0 |
|  |  |  |  |
| 5-20+ yrs | Public | 56 | 23.0 |
|  | Private | 44 | 23.0 |
| Note. Only 865 valid responses received and 4675 missing, so this item is unlikely to be a reliable or valid indicator. | | | |

Comments and Interpretation:

* Similar interpretation of the statewide results.

|  |  |  |  |
| --- | --- | --- | --- |
| **Q12\_Weapon**  Which weapon did you use to hunt pronghorn (during the most recent season you hunted)? | | | |
|  |  | n | % |
| 1-4 yrs | Bow | 865 | 49 |
|  | Rifle | 797 | 45 |
|  | Muzzleloader | 97 | 6 |
|  | Other | 13 | 1 |
|  |  |  |  |
| 5-20+ yrs | Bow | 877 | 66 |
|  | Rifle | 311 | 23 |
|  | Muzzleloader | 129 | 10 |
|  | Other | 18 | 1 |

|  |  |  |  |
| --- | --- | --- | --- |
| **Q13\_Harvest**  Did you harvest a pronghorn (during the most recent season you hunted)? | | | |
|  |  | n | % |
| 1-4 yrs | No | 1030 | 59 |
|  | Yes | 726 | 41 |
|  |  |  |  |
| 5-20+ yrs | No | 770 | 58 |
|  | Yes | 553 | 42 |

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Q14\_Crowd**  Which rating — from "not crowded" to "extremely crowded" — best describes the level of crowding you experienced (during the most recent season you hunted)? | | | | | | | | | | | | |
|  | Descriptive | | | Frequency (%) | | | | | | | | |
|  | n | M | SD | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| 1-4 yrs | 1730 | 3.6 | 2.5 | 30 | 15 | 12 | 8 | 11 | 9 | 8 | 2 | 5 |
| 5-20+ yrs | 1323 | 4.7 | 2.7 | 18 | 10 | 11 | 7 | 13 | 12 | 12 | 6 | 10 |
| Note. Scale: 1-2 (not at all), 3-4 (slightly), 5-7 (moderately), 8-9 (extremely) | | | | | | | | | | | | |

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Q15\_Crowd\_Numbers**  Which rating — from "fewer hunters" to "more hunters" — best describes how you feel the number of other pronghorn hunters have changed since 2015? | | | | | | | | | | | | |
|  | Descriptive | | | Frequency (%) | | | | | | | | |
|  | n | M | SD | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| 1-4 yrs | 1665 | 5.5 | 2.4 | 7 | 6 | 9 | 9 | 25 | 10 | 12 | 5 | 17 |
| 5-20+ yrs | 1322 | 6.7 | 2.2 | 3 | 2 | 5 | 6 | 14 | 11 | 15 | 10 | 34 |
| Note. Scale: 1 (fewer hunters) – 9 (more hunters) | | | | | | | | | | | | |

Comments and Interpretation:

* Similar interpretation of the statewide results.

|  |  |  |  |
| --- | --- | --- | --- |
| **Q16\_Crowd\_Reason**  What contributes most to the crowding you experience hunting pronghorn in your preferred units? | | | |
|  |  | n | % |
| 1-4 yrs | Other people | 690 | 40 |
|  | Access to land | 451 | 26 |
|  | Crowding is not an issue | 574 | 34 |
|  |  |  |  |
| 5-20+ yrs | Other people | 771 | 58 |
|  | Access to land | 277 | 21 |
|  | Crowding is not an issue | 274 | 21 |

|  |  |  |  |
| --- | --- | --- | --- |
| **Q16A\_People** (Q16 = Other people)  In terms of other people, who contributes most to the crowding issues you experience? | | | |
|  |  | n | % |
| 1-4 yrs | Other pronghorn hunters | 427 | 62 |
|  | Non-resident pronghorn hunters | 137 | 20 |
|  | Non-hunters that use the same areas | 114 | 17 |
|  | Sage-grouse hunters | 7 | 1 |
|  |  |  |  |
| 5-20+ yrs | Other pronghorn hunters | 554 | 73 |
|  | Non-resident pronghorn hunters | 126 | 16 |
|  | Non-hunters that use the same areas | 67 | 9 |
|  | Sage-grouse hunters | 17 | 2 |

|  |  |  |  |
| --- | --- | --- | --- |
| **Q16B\_Access** (Q16 = Access to land)  In terms of land access, what contributes the most to access issues you experience? | | | |
|  |  | n | % |
| 1-4 yrs | Limited access to private property | 244 | 55 |
|  | Competition for specific hunting locations | 101 | 23 |
|  | Limited road or trail access | 70 | 16 |
|  | Waterholes are too close to roads | 17 | 4 |
|  | Personal issues | 13 | 3 |
|  |  |  |  |
| 5-20+ yrs | Limited access to private property | 138 | 50 |
|  | Competition for specific hunting locations | 93 | 34 |
|  | Limited road or trail access | 22 | 8 |
|  | Waterholes are too close to roads | 16 | 6 |
|  | Personal issues | 5 | 2 |

Comments and Interpretation:

* Similar interpretation of the statewide results.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Q17\_Difficult**  How difficult or easy was it for you to hunt pronghorn in your preferred units? | | | | | | | |
|  | Descriptive | | | Frequency (%) | | | |
|  | n | M | SD | 1 | 2 | 3 | 4 |
| 1-4 yrs | 1699 | 2.6 | .7 | 6 | 37 | 47 | 9 |
| 5-20+ yrs | 1309 | 2.5 | .8 | 9 | 43 | 40 | 8 |
| Note. Scale: very difficult (1), difficult (2), easy (3), very easy (4) | | | | | | | |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Q18\_Encounter**  How often did you encounter other pronghorn hunters? | | | | | | | | |
|  | Descriptive | | | Frequency (%) | | | | |
|  | n | M | SD | 1 | 2 | 3 | 4 | 5 |
| 1-4 yrs | 1706 | 3.1 | 1.1 | 8 | 22 | 35 | 25 | 10 |
| 5-20+ yrs | 1312 | 3.5 | 1.0 | 4 | 13 | 32 | 33 | 17 |
| Note. Scale: never (1), rarely (2), sometimes (3), often (4), always (5) | | | | | | | | |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Q19\_Displacement**  How often did you move to another location because of other pronghorn hunters? | | | | | | | | |
|  | Descriptive | | | Frequency (%) | | | | |
|  | n | M | SD | 1 | 2 | 3 | 4 | 5 |
| 1-4 yrs | 1709 | 2.4 | 1.2 | 32 | 21 | 28 | 17 | 3 |
| 5-20+ yrs | 1311 | 2.7 | 1.2 | 23 | 17 | 34 | 22 | 4 |
| Note. Scale: never (1), rarely (2), sometimes (3), often (4), always (5) | | | | | | | | |

Comments and Interpretation:

* Similar interpretation of the statewide results.

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Q20\_Encounter\_SageGrouse**  How often did you encounter sage-grouse hunters? | | | | | | | | |
|  | Descriptive | | | Frequency (%) | | | | |
|  | n | M | SD | 1 | 2 | 3 | 4 | 5 |
| 1-4 yrs | 1696 | 1.5 | .8 | 67 | 20 | 10 | 3 | 1 |
| 5-20+ yrs | 1304 | 1.6 | .9 | 60 | 25 | 11 | 3 | 2 |
| Note. Scale: never (1), rarely (2), sometimes (3), often (4), always (5) | | | | | | | | |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Q21\_Displacement\_SageGrouse**  How often did you move to another location because of sage-grouse hunters? | | | | | | | | |
|  | Descriptive | | | Frequency (%) | | | | |
|  | n | M | SD | 1 | 2 | 3 | 4 | 5 |
| 1-4 yrs | 1698 | 1.2 | .6 | 85 | 9 | 5 | 1 | <1 |
| 5-20+ yrs | 1307 | 1.2 | .6 | 86 | 8 | 4 | 1 | 1 |
| Note. Scale: never (1), rarely (2), sometimes (3), often (4), always (5) | | | | | | | | |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Q22\_Fights**  How many verbal or physical altercations did you personally see or experience while on a pronghorn hunting trip? | | | | | | |
|  | Descriptive | | | Frequency (%) | | |
|  | n | M | SD | 1 | 2 | 3 |
| 1-4 yrs | 1699 | 1.1 | .4 | 90 | 9 | 1 |
| 5-20+ yrs | 1304 | 1.2 | .5 | 83 | 15 | 3 |
| Note. Scale: none (1), a few (2), several (3) | | | | | | |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Q23\_Vandalism**  How often did you personally see or experience vandalism or theft while on a hunting trip? | | | | | | |
|  | Descriptive | | | Frequency (%) | | |
|  | n | M | SD | 1 | 2 | 3 |
| 1-4 yrs | 1701 | 1.1 | .3 | 92 | 7 | 1 |
| 5-20+ yrs | 1307 | 1.2 | .5 | 83 | 14 | 3 |
| Note. Scale: never (1), once or twice (2), more than twice (3) | | | | | | |

Comments and Interpretation:

* I do not put much stock in these being meaningful or significant results.

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Q24\_1\_Satf\_SeeBuck TO Q24\_7\_Satf\_LongSeason**  How satisfied were you with the following (during the most recent season you hunted)? | | | | | | | | | |
|  |  | Descriptive | | | Frequency (%) | | | | |
|  |  | n | M | SD | 1 | 2 | 3 | 4 | 5 |
| 1-4 yrs | Seeing any bucks | 1679 | 3.6 | .9 | 3 | 10 | 19 | 54 | 13 |
|  | Seeing mature bucks | 1672 | 3.3 | 1.0 | 6 | 16 | 25 | 44 | 9 |
|  | Shooting at any bucks | 1671 | 3.2 | 1.0 | 8 | 14 | 38 | 33 | 7 |
|  | Shooting at mature bucks | 1666 | 3.0 | 1.0 | 10 | 17 | 41 | 26 | 6 |
|  | Filling my tag | 1676 | 3.1 | 1.2 | 12 | 18 | 26 | 30 | 14 |
|  | Seeing lots of pronghorn | 1672 | 3.4 | 1.1 | 6 | 16 | 21 | 44 | 14 |
|  | Having a long season | 1667 | 3.5 | .9 | 4 | 11 | 32 | 42 | 11 |
|  |  |  |  |  |  |  |  |  |  |
| 5-20+ yrs | Seeing any bucks | 1297 | 3.4 | 1.0 | 4 | 16 | 21 | 50 | 8 |
|  | Seeing mature bucks | 1293 | 3.0 | 1.1 | 12 | 25 | 21 | 37 | 6 |
|  | Shooting at any bucks | 1285 | 3.1 | 1.0 | 9 | 17 | 38 | 31 | 5 |
|  | Shooting at mature bucks | 1285 | 2.8 | 1.1 | 13 | 24 | 34 | 25 | 4 |
|  | Filling my tag | 1292 | 3.1 | 1.1 | 12 | 17 | 30 | 32 | 9 |
|  | Seeing lots of pronghorn | 1293 | 3.0 | 1.1 | 11 | 25 | 23 | 35 | 7 |
|  | Having a long season | 1290 | 3.4 | 1.0 | 5 | 10 | 30 | 46 | 8 |
| Note. Scale: very dissatisfied (1), dissatisfied (2), neither (3), satisfied (4), very satisfied (5) | | | | | | | | | |

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Q25\_1\_Import\_SeeBuck TO Q25\_7\_Import\_LongSeason**  How important are the following experiences to your Idaho pronghorn hunting satisfaction? | | | | | | | | | |
|  |  | Descriptive | | | Frequency (%) | | | | |
|  |  | n | M | SD | 1 | 2 | 3 | 4 | 5 |
| 1-4 yrs | Seeing any bucks | 1672 | 3.8 | .9 | 2 | 5 | 24 | 49 | 20 |
|  | Seeing mature bucks | 1669 | 3.7 | 1.0 | 2 | 7 | 31 | 39 | 20 |
|  | Shooting at any bucks | 1667 | 3.3 | 1.0 | 7 | 12 | 38 | 31 | 13 |
|  | Shooting at mature bucks | 1661 | 3.4 | 1.1 | 5 | 13 | 36 | 30 | 16 |
|  | Filling my tag | 1664 | 3.4 | 1.1 | 5 | 13 | 34 | 28 | 20 |
|  | Seeing lots of pronghorn | 1660 | 4.0 | .8 | — | 3 | 23 | 47 | 27 |
|  | Having a long season | 1665 | 3.5 | 1.0 | 3 | 9 | 37 | 34 | 18 |
|  |  |  |  |  |  |  |  |  |  |
| 5-20+ yrs | Seeing any bucks | 1297 | 3.8 | .9 | 2 | 4 | 25 | 49 | 19 |
|  | Seeing mature bucks | 1295 | 3.8 | .9 | 2 | 6 | 26 | 44 | 22 |
|  | Shooting at any bucks | 1292 | 3.1 | 1.1 | 10 | 16 | 37 | 27 | 9 |
|  | Shooting at mature bucks | 1290 | 3.4 | 1.1 | 6 | 12 | 32 | 34 | 15 |
|  | Filling my tag | 1294 | 3.1 | 1.1 | 10 | 17 | 37 | 22 | 14 |
|  | Seeing lots of pronghorn | 1290 | 4.0 | .8 | — | 3 | 23 | 49 | 25 |
|  | Having a long season | 1291 | 3.4 | 1.0 | 5 | 10 | 38 | 31 | 15 |
| Note. Scale: very dissatisfied (1), dissatisfied (2), neither (3), satisfied (4), very satisfied (5) | | | | | | | | | |

Comments and Interpretation:

* Similar interpretation of the statewide and rifle/bow results.

|  |  |  |  |
| --- | --- | --- | --- |
| **Q26\_MatureBuck**  What do you consider a mature pronghorn buck? | | | |
|  |  | n | % |
| 1-4 yrs | Any adult male | 146 | 9 |
|  | Horn length greater than 10-inches | 291 | 18 |
|  | Horn length greater than 12-inches | 657 | 40 |
|  | Horn length greater than 14-inches | 486 | 29 |
|  | Horn length greater than 16-inches | 52 | 3 |
|  | Other | 32 | 2 |
|  |  |  |  |
| 5-20+ yrs | Any adult male | 48 | 4 |
|  | Horn length greater than 10-inches | 126 | 10 |
|  | Horn length greater than 12-inches | 519 | 40 |
|  | Horn length greater than 14-inches | 524 | 41 |
|  | Horn length greater than 16-inches | 58 | 5 |
|  | Other | 20 | 2 |

Comments and Interpretation:

* More experienced hunters have a stricter or more specific sense of a “mature buck”.

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Q27\_1\_Motv\_Family TO Q27\_7\_Motv\_DemoSkills**  How well do each of the following statements describe why you hunt pronghorn in Idaho? | | | | | | | | | |
|  |  | Descriptive | | | Frequency (%) | | | | |
|  |  | n | M | SD | 1 | 2 | 3 | 4 | 5 |
| 1-4 yrs | To enjoy time spent with friends/family | 1658 | 3.9 | 1.1 | 4 | 6 | 19 | 36 | 35 |
|  | To enjoy nature and the outdoors | 1660 | 4.4 | .7 | — | 1 | 9 | 42 | 48 |
|  | Excitement of pronghorn hunting | 1657 | 3.9 | .9 | 1 | 4 | 22 | 43 | 29 |
|  | To bring meat home for food | 1658 | 3.8 | 1.1 | 4 | 8 | 24 | 33 | 31 |
|  | Challenge of hunting pronghorn | 1655 | 3.8 | .9 | 3 | 4 | 29 | 40 | 24 |
|  | To get a mature buck | 1655 | 3.1 | 1.1 | 10 | 16 | 39 | 25 | 10 |
|  | To demonstrate my hunting skills | 1656 | 2.9 | 1.3 | 20 | 14 | 34 | 21 | 11 |
|  |  |  |  |  |  |  |  |  |  |
| 5-20+ yrs | To enjoy time spent with friends/family | 1291 | 3.8 | 1.2 | 6 | 8 | 20 | 33 | 34 |
|  | To enjoy nature and the outdoors | 1290 | 4.3 | .8 | — | 1 | 11 | 40 | 47 |
|  | Excitement of pronghorn hunting | 1288 | 4.1 | .8 | 1 | 3 | 15 | 46 | 36 |
|  | To bring meat home for food | 1293 | 3.6 | 1.1 | 5 | 12 | 26 | 31 | 26 |
|  | Challenge of hunting pronghorn | 1292 | 4.0 | .9 | 2 | 3 | 22 | 43 | 30 |
|  | To get a mature buck | 1286 | 3.1 | 1.1 | 8 | 17 | 39 | 25 | 11 |
|  | To demonstrate my hunting skills | 1288 | 2.8 | 1.3 | 24 | 15 | 31 | 19 | 12 |
| Note. Scale: not at all (1), a little bit (2), somewhat (3), mostly (4), completely (5) | | | | | | | | | |

Comments and Interpretation:

* Similar interpretation of the statewide results.

|  |  |  |  |
| --- | --- | --- | --- |
| **Q28A\_1\_OpportValue**  Which pronghorn hunting opportunity do you value the most (harvest)? | | | |
|  |  | n | % |
| 1-4 yrs | Harvest any pronghorn in a given year | 914 | 55 |
|  | Harvest a mature buck in a given year | 738 | 45 |
|  |  |  |  |
| 5-20+ yrs | Harvest any pronghorn in a given year | 596 | 46 |
|  | Harvest a mature buck in a given year | 695 | 54 |

|  |  |  |  |
| --- | --- | --- | --- |
| **Q28A\_2\_OpportValue**  Which pronghorn hunting opportunity do you value the most (hunt)? | | | |
|  |  | n | % |
| 1-4 yrs | Hunt pronghorn with less competition from other hunters | 698 | 42 |
|  | Hunt pronghorn every year | 961 | 58 |
|  |  |  |  |
| 5-20+ yrs | Hunt pronghorn with less competition from other hunters | 483 | 37 |
|  | Hunt pronghorn every year | 808 | 63 |

|  |  |  |  |
| --- | --- | --- | --- |
| **Q28A\_3\_OpportValue**  Which pronghorn hunting opportunity do you value the most (forced choice)? | | | |
|  |  | n | % |
| 1-4 yrs | Harvest-focused selection | 614 | 37 |
|  | Hunt-focused selection | 1030 | 63 |
|  |  |  |  |
| 5-20+ yrs | Harvest-focused selection | 406 | 32 |
|  | Hunt-focused selection | 875 | 68 |

Comments and Interpretation:

* Similar interpretation of the statewide results.