

# 2006 JOB COMPLETION REPORT

SPECIES : Pronghorn  
 HERD UNIT : Chalk Bluffs  
 HERD UNIT # : 520  
 HUNT AREAS : 111

PERIOD COVERED : 06/01/2006 - 05/31/2007  
 WYOMING PROJECT NO. : W-27-R  
 PREPARED BY : Martin Hicks

	<u>2002</u>	<u>2003</u>	<u>2004</u>	<u>2005</u>	<u>2006</u>
<b>1. PREHUNT SEX AND AGE RATIO COUNT (per 100 females)</b>					
Juveniles	36	47	39	70	32
Males	45	36	50	57	16
Yearling Males	0	8	17	23	4
Mature Males	0	28	34	34	11
Total Sample Size	640	724	466	139	169
Adequate Sample Size					0

<b>2. HARVEST</b>					
Adult Males	123	108	117	97	86
Yearling Males	0	0	0	0	0
Total Males	123	108	117	97	86
Females	78	78	81	115	117
Juveniles	13	35	16	32	26
Totals	214	221	214	244	229

	#	%	#	%	#	%	#	%	#	%
<b>3. AGE STRUCTURE OF FIELD CHECKED ANIMALS</b>										
Juvenile Female	0		1	10	0		2	29	0	
Yearling Female	0		0		0		0		0	
Adult Female	1	50	3	30	3	60	3	43	4	57
Juvenile Male	1	50	0		0		0		1	14
Yearling Male	0		1	10	0		0		2	29
Adult Male	0		5	50	2	40	2	29	0	
Total Sample Size	2		10		5		7		7	

<b>4. POSTHUNT SEX AND AGE RATIO COUNT (per 100 females)</b>					
Juveniles	0	0	0	0	0
Males	0	0	0	0	0
Yearling Males	0	0	0	0	0
Mature Males	0	0	0	0	0
Total Sample Size	0	0	0	0	0
Adequate Sample Size	0	0	0	0	0

<b>5. POPULATION TRENDS</b>					
Trend Count Dates:					
Trend Count:	640	724	466	139	169
Herd Model Pop Est:			0		
Line Trans Pop Est:	0	0	0	0	0

# SEX AND AGE COUNT REPORT

SPECIES : Pronghorn  
 YEAR : 2006

HERD UNIT : Chalk Bluffs  
 PREPARED BY : Martin Hicks

PREHUNT CLASSIFICATION

DATES: 08/06

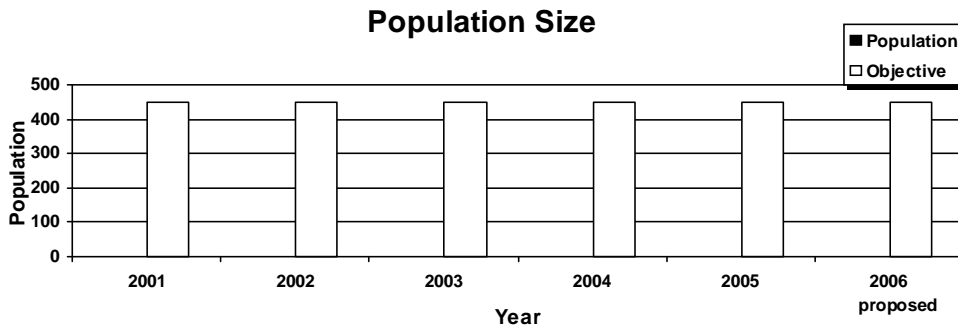
Hunt Area	----- MALES -----			Females	Juveniles	Total
	Yearlings	Adults	Total			
111	5	13	18	114	32	169
<b>Total Sample</b>	<b>5</b>	<b>13</b>	<b>18</b>	<b>114</b>	<b>32</b>	<b>169</b>

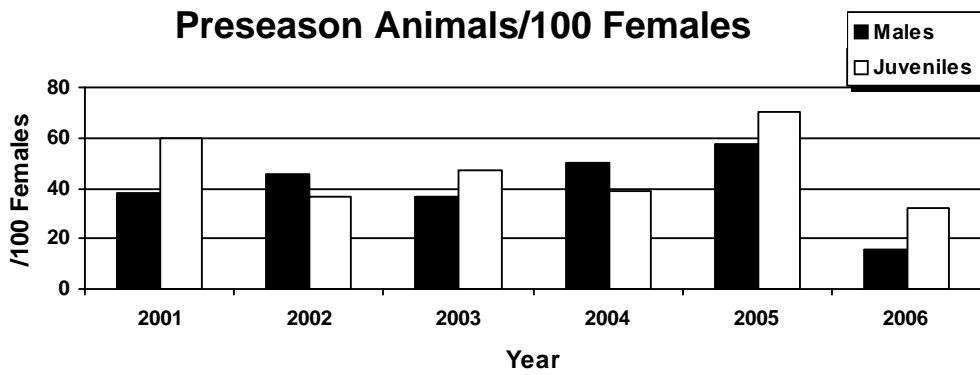
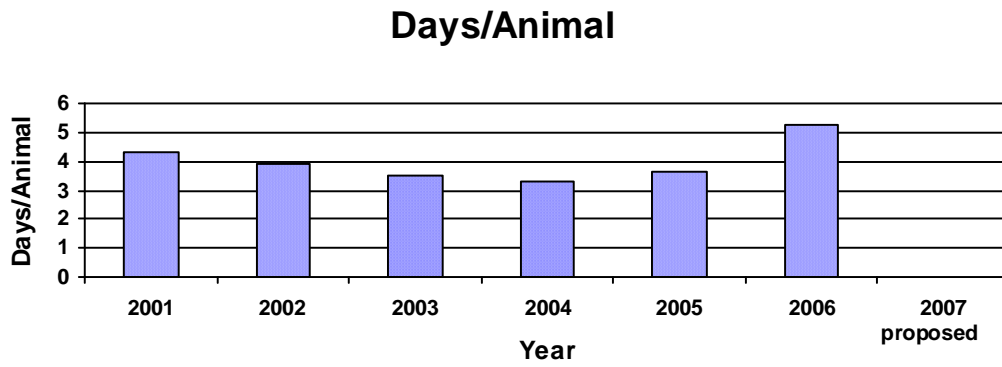
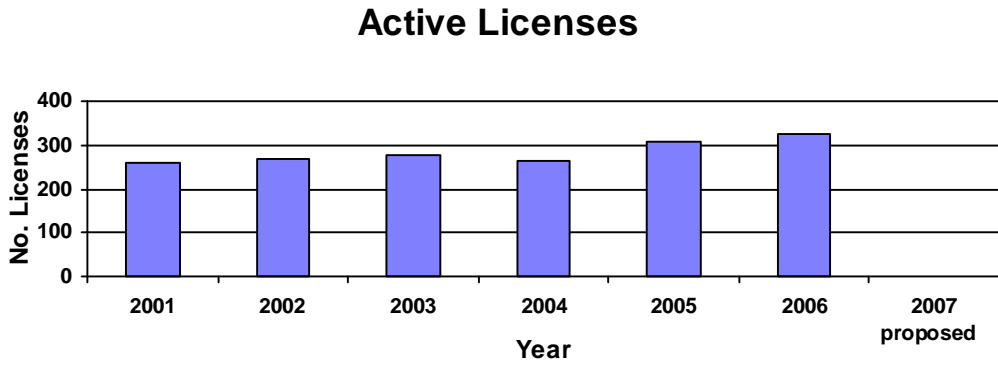
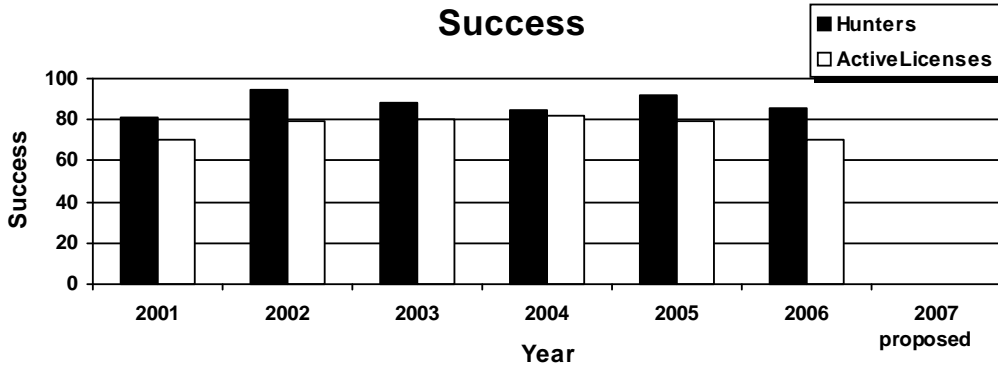
**Juveniles / 100 Females : 32**  
**Total Males / 100 Females : 15**  
**Adult Males / 100 Females : 11**  
**Yearlings / 100 Females : 04**

SPECIES : Pronghorn  
 HERD UNIT : Chalk Bluffs  
 YEAR : 2006

MODEL DATE :

	Averages 2001 - 2005	2006	Proposed 2007	Objective
Population (Est.)				450
Harvest	215	229	230	
Hunters	244	268	270	
Hunter Success	88.1%	85.4%	85.2%	
Active Licenses	275	326	320	
Active Licenses Success	78.1%	70.2%	71.9%	
Recreation Days	796	1,199	1,125	
Days/Animal	3.7	5.2	4.9	





**JCR**  **Season Setting** **Evaluation Form** (2004)  
(check one)

Year: **2006** Species: **Pronghorn** Herd Unit: **Chalk Bluffs** Herd unit #: **520** Biologist: **Hicks**

Management strategy:  Recreational  Special

	5-year average	Current year	Proposed
Population:			
Harvest:	215	229	230
Hunters:	244	268	270
% Success:	88%	85%	85%
Rec. Days:	796	1,199	1,125
Days/animal:	3.70	5.24	4.89
Population objective			0

Percent population is above (+) or below (-) objective:

Number of years population has been +  or -  objective in recent trend: 0

Population estimates tracking with trend counts or line transect results? Sometimes

Population trend (incr., stable, decr.): Stable

Most recent classification ratio (j/100f/m): 32/100/16

(This classification is: at or above adequate  or well below adequate )

Ratio trends (incr., stable, decr.): m/100f: Stable

J/100f: Stable

Most recent 5-year average classification ratio (j/100f/m): 44/100/40

(Generally, these classifications have been: at  or above adequate  or well below adequate )

Proposed harvest rates (percent of pre-season estimate of each sex/age group):

	JCR Year	Proposed
Females ≥ 1 year old:		
Males ≥ 1 year old:		
Juveniles (< 1 year old):		

Total:

Projected change in post-season population: (+ or -) (+ or -)

Moose: Average age of male harvest:

Rationale provided for season proposals or management data that appear unusual?

This population is an interstate herd shared with Colorado. Population estimates are currently unavailable. An objective will be established once we cooperatively manage this pronghorn herd as a population with Colorado.

# 2006 HUNTING SEASON

SPECIES : **Pronghorn**

HERD UNIT : **Chalk Bluffs**

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<b>HUNT AREA</b>	<b>TYPE</b>	<b>SEASON DATES</b>	<b>LIMITATIONS</b>
<b>111</b>			
	<b>1</b>	Sept 16-Oct 14	Limited quota; 150 licenses any pronghorn
	<b>6</b>	Sept 16-Oct 14	Limited quota; 200 licenses doe or fawn; Nov 15-Dec 31 Unused Area 111 Type 6 licenses
<b>ARCHERY :</b>			
<b>111</b>		Aug 15-Sept 15	Refer to Section 3 of this Chapter

# HARVEST REPORT

SPECIES **Pronghorn**

HERD UNIT : **Chalk Bluffs**

YEAR : **2006**

PERIOD COVERED :

Prepared By : **Martin Hicks**

Hunt Area	License Type	L.Q. Licenses	No. Hunters	Ylg. Males	Adult Males	Females	Juveniles	Total	Percent Success	Days/Animal Taken
	<b>Resident</b>	0	149	0	48	57	13	118	79.2	6.1
<b>111</b>	<b>Non-Resident</b>	0	119	0	38	60	13	111	93.3	4.3
	<b>Total</b>	0	268	(326)*	86	117	26	229	85.4 ( 70.2 )*	5.2
	<b>Resident</b>	0	149	0	48	57	13	118	79.2	6.1
<b>Total</b>	<b>Non-Resident</b>	0	119	0	38	60	13	111	93.3	4.3
	<b>Total</b>	0	268	(326)*	86	117	26	229	85.4 ( 70.2 )*	5.2

\* Active Licenses

# 2006 AGE STRUCTURE OF FIELD CHECKED ANIMALS

SPECIES : Pronghorn  
 HERD UNIT : Chalk Bluffs

PREPARED BY : Martin Hicks

Hunt Area	Sex	Young	1+	2+	3+	4+	5+	6+	7+	Older	Unaged Adults *	Total
111	Male	1	2	0	0	0	0	0	0	0	0	3
	Female	0	0	2	2	0	0	0	0	0	0	4
Totals :	Male	1	2	0	0	0	0	0	0	0	0	3
	Female	0	0	2	2	0	0	0	0	0	0	4

\* Unaged animals older than yearlings

Total Aged : 7

**CHALK BLUFFS ANTELOPE (A520)  
HUNT AREA 111  
2007 HUNTING SEASONS**

<b>HUNT AREA</b>	<b>TYPE</b>	<b>OPENS</b>	<b>CLOSES</b>	<b>LIMITATIONS</b>
111	1	SEPT. 15	OCT.14	L.Q.; 150 licenses any antelope
	6	SEPT. 15	OCT.14	L.Q.; 200 licenses doe or fawn
		NOV. 15	DEC. 31	Unused Area 111 Type 6 licenses
<b>ARCHERY</b>				
111		AUG. 15	SEPT. 15	Refer to Section 3 of this Chapter

**CHANGES FOR 2007**

Changes for 2007: 1) Have the opening day on the third Saturday, which falls on the 15<sup>th</sup> of September this year.

**MANAGEMENT EVALUATION**

Population: A reliable population estimate of the Chalk Bluffs pronghorn herd has not been obtained due to the interchange with Colorado. Our attempt to coordinate data collection and jointly estimate populations with Colorado have met with almost no success. Management is currently based on landowner tolerance while attempting to maximize hunting opportunity. Herd movement in and out of Colorado and harvest is always dependent on where the pronghorn are during the season. Based on 2006 harvest data the herd appeared to be either decreasing or the majority of pronghorn were in Colorado compared to the 2005 season. Active license success (71%) decreased and effort increased (4.9 days/harvest) compared to the five-year average (78%, 3.7days/harvest).

Data collection efforts decreased for this DAU in 2006. Based on a number of factors (ability to manage, access, cost of flying) the Hawk Springs Herd Unit will serve as an “index” herd to compare adjacent pronghorn herds with similar habitat to. Landowner tolerance and providing the maximum amount of hunting opportunity will continue to be the barometers used to manage this population.

Harvest: The 2006 season was designed to maintain pronghorn numbers at a level below what landowners may tolerate while providing adequate opportunities for hunters. This appears to be working with late season doe/fawn licenses (maximum of 4 possible in 2006) with a similar harvest of does (119) compared to 2005 (115) where there was an increase of 40%.

2007 Season: The 2007 season is designed to keep pronghorn numbers at or below landowner tolerance while providing adequate opportunities for hunters. We propose that hunters will have the opportunity to purchase up to 4 reduced price Type 6 licenses. If license sales are similar to previous years where they have all sold, then the season

should result in a harvest of approximately 90 bucks, 120 does and 30 fawns for a total of 240 pronghorn.

Pronghorn (A520) - Chalk Bluffs  
HA 111  
Revised 8/2005

