

# 2006 JOB COMPLETION REPORT

SPECIES : Pronghorn  
 HERD UNIT : ELK MOUNTAIN  
 HERD UNIT # : 528  
 HUNT AREAS : 50

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

	<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	71	58	69	77	57
Males	39	34	49	10	49
Yearling Males	14	21	11	4	0
Mature Males	25	14	38	6	0
Total Sample Size	1,155	1,170	1,406	1,295	2,240
Adequate Sample Size	1,988	1,515	2,096	0	1,619

<b>2. HARVEST</b>					
Adult Males	352	368	431	393	449
Yearling Males	0	0	0	0	0
Total Males	352	368	431	393	449
Females	75	132	94	105	188
Juveniles	9	21	7	6	24
Totals	436	521	532	504	661

	#	%	#	%	#	%	#	%	#	%
<b>3. AGE STRUCTURE OF FIELD CHECKED ANIMALS</b>										
Juvenile Female	2	4	4	5	0		0		3	4
Yearling Female	1	2	1	1	1	3	2	6	4	5
Adult Female	15	33	16	22	11	29	1	3	23	30
Juvenile Male	2	4	2	3	1	3	0		2	3
Yearling Male	5	11	4	5	3	8	5	16	5	7
Adult Male	21	46	47	64	22	58	23	74	39	51
Total Sample Size	46		74		38		31		76	

<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:	0	0	0	0	0
Herd Model Pop Est:	5,988	6,453	7,328	8,335	10,500
Line Trans Pop Est:			6,777		0

# SEX AND AGE COUNT REPORT

SPECIES : Pronghorn

HERD UNIT : ELK MOUNTAIN

YEAR : 2006

PREPARED BY : Will Schultz

**PREHUNT CLASSIFICATION      DATES : Aug-Sept**

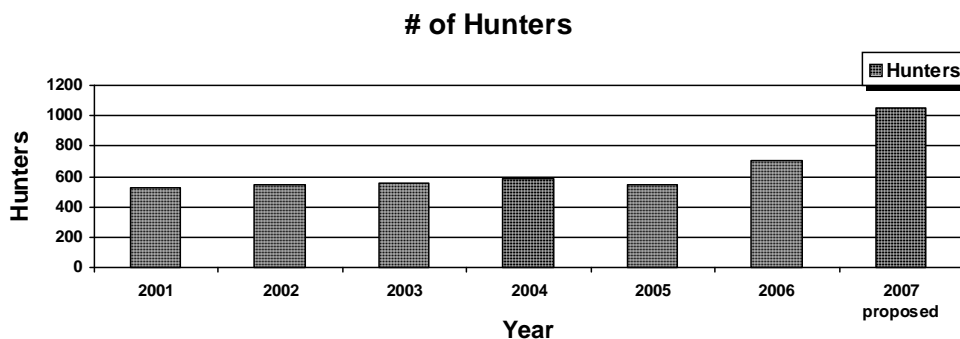
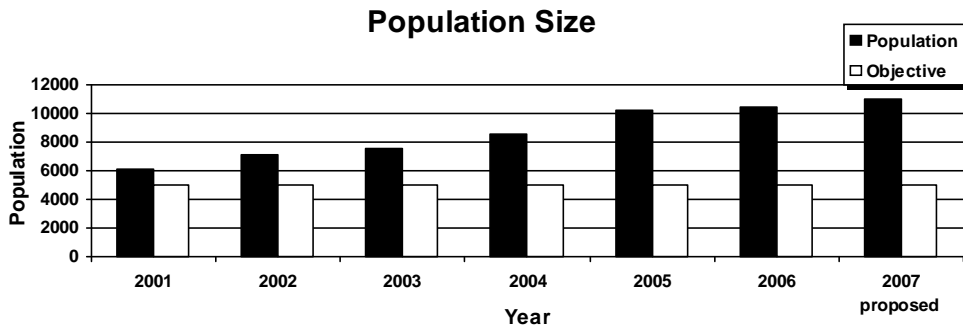
Hunt Area	----- MALES -----			Females	Juveniles	Total
	Yearlings	Adults	Total			
50	0	0	530	1,090	620	2,240
<b>Total Sample</b>			530	1,090	620	2,240
<b>Adequate Sample</b>			398	818	465	1,682
<b>Precision</b>	<b>@ 90 C.L.</b>					

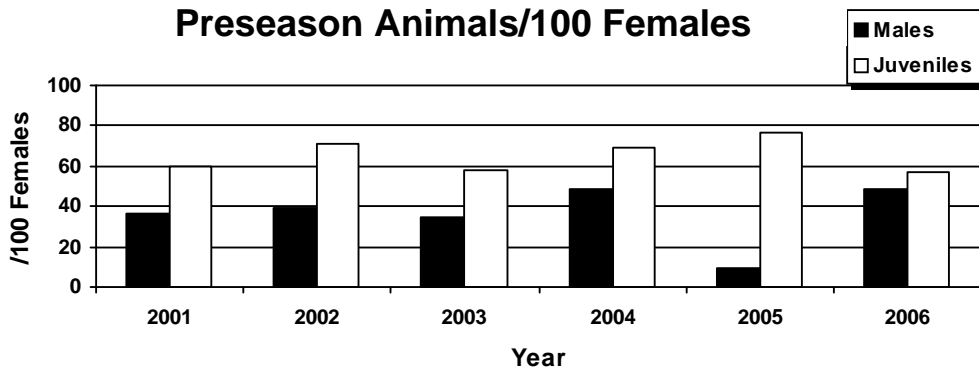
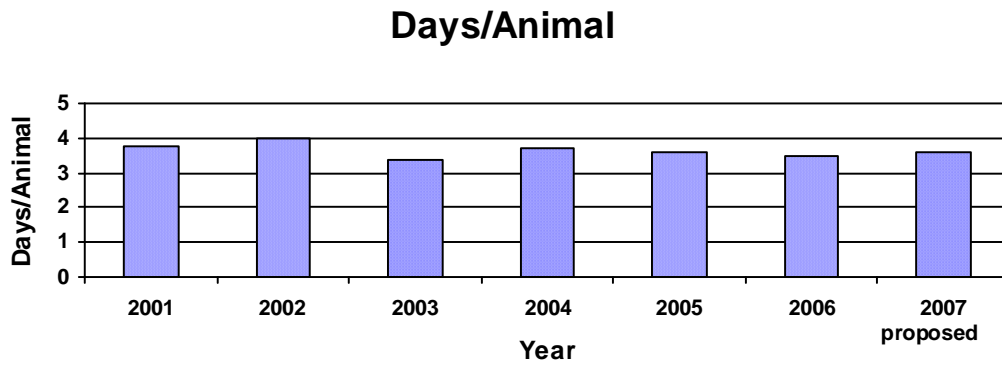
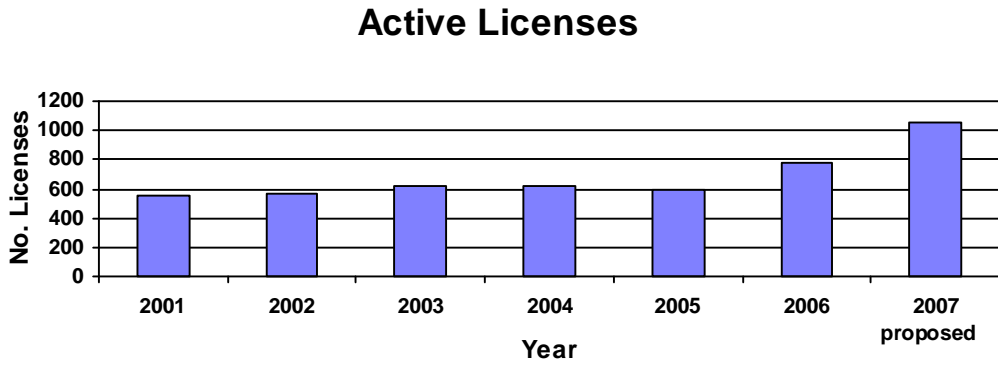
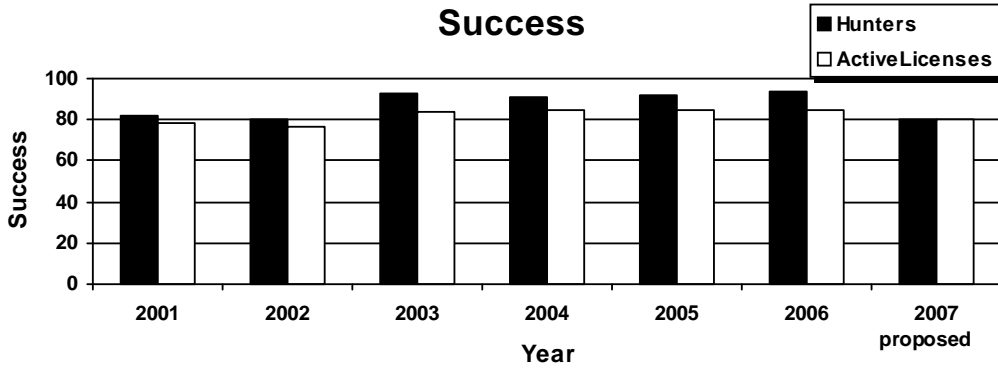
**Juveniles / 100 Females : 57 ± 4**  
**Total Males / 100 Females : 49 ± 4**  
**Adult Males / 100 Females :**  
**Yearlings / 100 Females :**

SPECIES : Pronghorn  
 HERD UNIT : ELK MOUNTAIN  
 YEAR : 2006

MODEL DATE : 2/26/07

	Averages 2001 - 2005	2006	Proposed 2007	Objective
Population (Est.)	7,914	10,500	11,000	5,000
Harvest	486	661	840	
Hunters	553	703	1,050	
Hunter Success	87.8%	94.0%	80.0%	
Active Licenses	595	777	1050	
Active Licenses Success	81.7%	85.1%	80.0%	
Recreation Days	1,784	2,286	3,024	
Days/Animal	3.7	3.5	3.6	





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

Year: **2006** Species: **Pronghorn** Herd Unit: **Elk Mountain** Herd unit #: **528** Biologist: **Will Schultz**

Management strategy:  Recreational  Special

	5-year average	Current year	Proposed
Population:	7,914	10,500	11,000
Harvest:	486	661	840
Hunters:	553	703	1,050
% Success:	88%	94%	80%
Rec. Days:	1,784	2,286	3,024
Days/animal:	3.67	3.46	3.60

Population objective 5,000

Percent population is above (+) or below (-) objective: 120%

Number of years population has been + or - objective in recent trend: 16

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

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

Most recent classification ratio (j/100f/m): 57/100/49

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

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

J/100f: Decreasing

Most recent 5-year average classification ratio (j/100f/m): 66/100/34

(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 $\geq$ 1 year old:	2.30%	3.70%
Males $\geq$ 1 year old:	15.40%	15.00%
Juveniles (< 1 year old):	0.20%	6.80%
Total:	5.96%	6.93%

Projected change in post-season population: (+ or -)3.50% (+ or -) 4.9%

Moose: Average age of male harvest:

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

# 2006 HUNTING SEASON

SPECIES : **Pronghorn**

HERD UNIT : **ELK MOUNTAIN**

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<b>HUNT</b>	<b>AREA</b>	<b>TYPE</b>	<b>SEASON DATES</b>	<b>LIMITATIONS</b>
<b>50</b>				
	<b>1</b>		Sept. 16-Oct.31	Limited quota; 500 licenses any antelope
	<b>6</b>		Sept. 16-Oct.31	Limited quota; 300 licenses doe or fawn valid in that portion of Area 50 north of Carbon County Road205, the Wyoming Game and Fish Commission's Pennock Mountain Wildlife Habitat Management Area and the National Forest boundary
	<b>8</b>		Sept 1-Sept 15	Limited quota; 50 licenses any antelope, muzzel-loading firearms only
<b>ARCHERY :</b>				
<b>50</b>			Aug 15 -Sept 15	Refer to Section 3 of this Chapter

# HARVEST REPORT

SPECIES **Pronghorn**

HERD UNIT : **ELK MOUNTAIN**

YEAR : **2006**

PERIOD COVERED : **8/15/06-10/31/06**

Prepared By : **Will Schultz**

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	96	0	67	4	0	71	74.0	3.3
<b>50</b>	<b>Non-Resident</b>	0	607	0	382	184	24	590	97.2	3.5
	<b>Total</b>	0	703	(777)*	449	188	24	661	94.0 ( 85.1 )*	3.5
	<b>Resident</b>	0	96	0	67	4	0	71	74.0	3.3
<b>Total</b>	<b>Non-Resident</b>	0	607	0	382	184	24	590	97.2	3.5
	<b>Total</b>	0	703	(777)*	449	188	24	661	94.0 ( 85.1 )*	3.5

\* Active Licenses

# 2006 AGE STRUCTURE OF FIELD CHECKED ANIMALS

SPECIES : Pronghorn  
 HERD UNIT : ELK MOUNTAIN

PREPARED BY : Will Schultz

Hunt Area	Sex	Young	1+	2+	3+	4+	5+	6+	7+	Older	Unaged Adults *	Total
<b>50</b>	<b>Male</b>	2	5	13	23	0	0	0	0	3	0	46
	<b>Female</b>	3	4	3	15	0	0	0	0	5	0	30
<b>Totals :</b>	<b>Male</b>	2	5	13	23	0	0	0	0	3	0	46
	<b>Female</b>	3	4	3	15	0	0	0	0	5	0	30

\* Unaged animals older than yearlings **Total Aged :** 76

**ELK MOUNTAIN PRONGHORN (A528)**  
**Hunt Area 50**  
 2007 Season Recommendations

Hunt Area	Type	Dates of Opens	Season Closes	Limitations
50	1	<b>Sept. 15</b>	Oct. 31	Limited quota; 500 licenses any antelope
	6	<b>Sept. 15</b>	Oct. 31	Limited quota; <b>500</b> licenses doe or fawn <del>valid in that portion of Area 50 north of Carbon County Road 205, the Wyoming Game and Fish Commission's Pennock Mountain Wildlife Habitat Management Area and the National Forest boundary.</del>
	8	Sept. 1	<b>Sept. 14</b>	Limited quota; 50 licenses any antelope, muzzle-loading firearms only
Archery		Aug. 15		Refer to Section 3 of this Chapter

**Proposed Changes for 2007**

- Addition of 200 Type 6 licenses
- Change Opening date for Type 1 and Type 6 licenses from Sept. 16 to Sept. 15
- Remove Hunt Area Limitation for Type 6 licenses
- Change closing date for Type 8 licenses from Sept. 16 to Sept. 14

**Management Evaluation**

Simulation estimates and line-transect surveys indicate the Elk Mountain herd is over twice its objective of 5,000. The population has been increasing by over 10% each year since 2000. Hunter access to private lands is limited, particularly east of Elk Mountain, where most pronghorn are found during the hunting season. The private lands open to hunters receives a large amount of pressure that in turn reduces success. Public lands hold few pronghorn and are difficult to access due to the checkerboard distribution of private and public land. Preseason ratios for this herd were 49 bucks and 57fawns/100does in 2006. Buck ratios are increasing and fawn ratios are decreasing in recent classification trend.

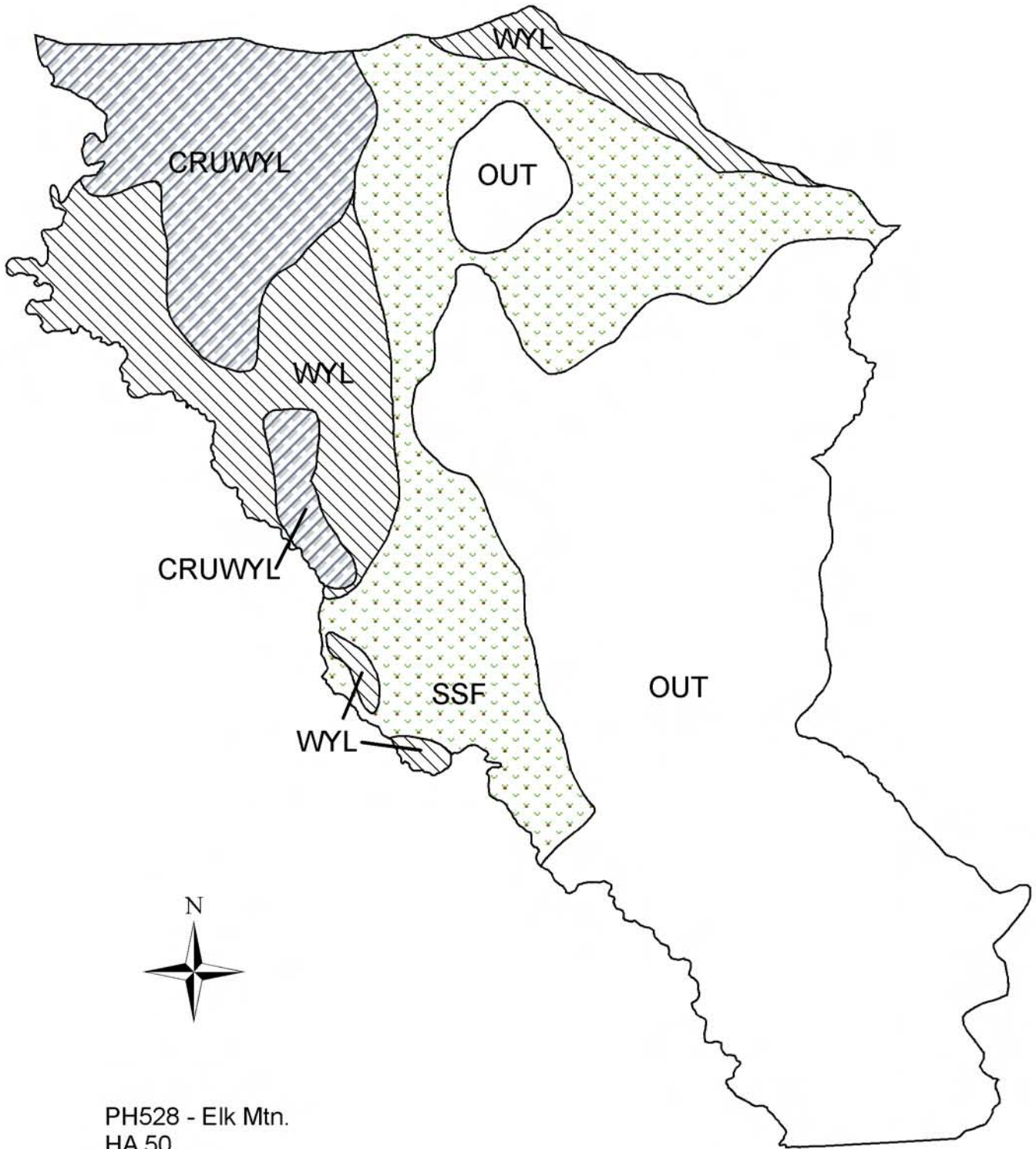
**Harvest**

The total harvest of 661 pronghorn in 2006 was an increase of 24% from the 5-year average in this herd unit. Harvest success was 85% for 777 active licenses in 2006 and was an increase of 4% from the 5-year average. This trend in harvest appears to be tracking with population estimates for this herd unit. In 2006 the Type 6 licenses were increased from 150 to 300 in an attempt to reduce population numbers. Although only 255 Type 6 active licensed hunters took advantage of this increase in additional licenses, hunter success and days/harvest remained comparable to 2005. The 2006 hunter success

for Type 1 active licensed hunters increased slightly, and the days/harvest decreased slightly, when compared to the 2005 season. The trend in harvest suggests that hunters continued to be successful in harvesting pronghorn in this herd unit. Type 8 muzzle-loader only licenses were reduced from 75 for the 2005 season to 50 for the 2006 season. The Type 8 license numbers were reduced because of lack of interest in this license type and potential crowding issues with archery hunters. Success for this hunt increased from 79% in 2005 to 90% in 2006.

### **2007 Season**

The Type 6 licenses were increased to 500 in 2007. The Type 6 limitation, which limited the portion of the Hunt Area where these licenses could be used in the past, was removed in order to attempt to obtain harvest wherever possible. Pronghorn were congregated in large herds on private land during the past winter of 2006-2007 increasing the awareness of some landowners for the need to reduce this herd towards the management objective. The increase in Type 6 licenses will potentially allow hunters who have access to private land additional opportunity to harvest doe and fawn pronghorn. Hunters may receive up to four (4) Type 6 licenses, which should assist obtaining desired harvest levels. Type 1 license numbers will remain the same as in 2006 and harvest success is anticipated to be similar to that of the 2005 and 2006 seasons. The Type 8 muzzle-loader only season will again be offered in 2007 with 50 licenses being allocated for this hunt. This level of proposed harvest should help in stabilizing the growth of this herd.



PH528 - Elk Mtn.  
HA 50  
Revised - 8/87