

2006 JOB COMPLETION REPORT

SPECIES : EIk
 HERD UNIT : TARGHEE
 HERD UNIT # : 101
 HUNT AREAS : 73

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

	2002	2003	2004	2005	2006
1. PREHUNT SEX AND AGE RATIO COUNT (per 100 females)					
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

2. HARVEST					
Adult Males	35	42	44	68	41
Yearling Males	0	7	11	11	3
Total Males	35	49	55	79	44
Females	24	35	21	15	25
Juveniles	2	3	8	15	7
Totals	61	87	84	109	76

	#	%	#	%	#	%	#	%	#	%
3. AGE STRUCTURE OF FIELD CHECKED ANIMALS										
Juvenile Female	0		0		0		0		0	
Yearling Female	0		0		0		0		0	
Adult Female	0		5	56	0		1	25	0	
Juvenile Male	0		0		0		0		0	
Yearling Male	1	13	0		2	25	0		0	
Adult Male	7	88	4	44	6	75	3	75	2	100
Total Sample Size	8		9		8		4		2	

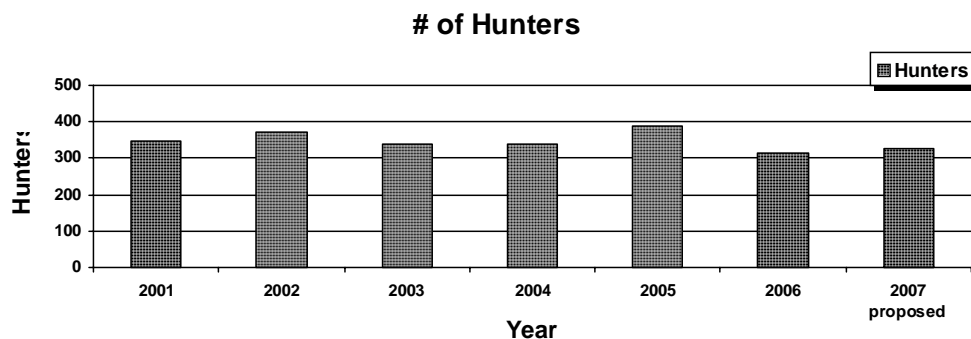
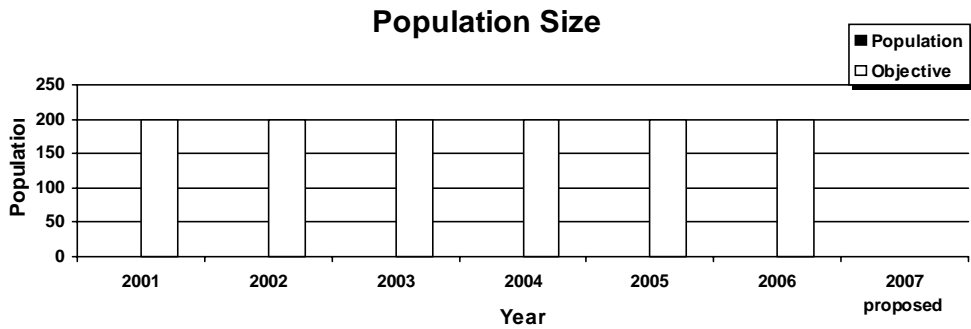
4. POSTHUNT SEX AND AGE RATIO COUNT (per 100 females)					
Juveniles	0	0	0	0	0
Males	0	0	0	0	0
Yearling Males	0	0	0	0	0
Mature Males	0	0	0	0	0
Total Sample Size	0	0	0	0	0
Adequate Sample Size	0	0	0	0	0

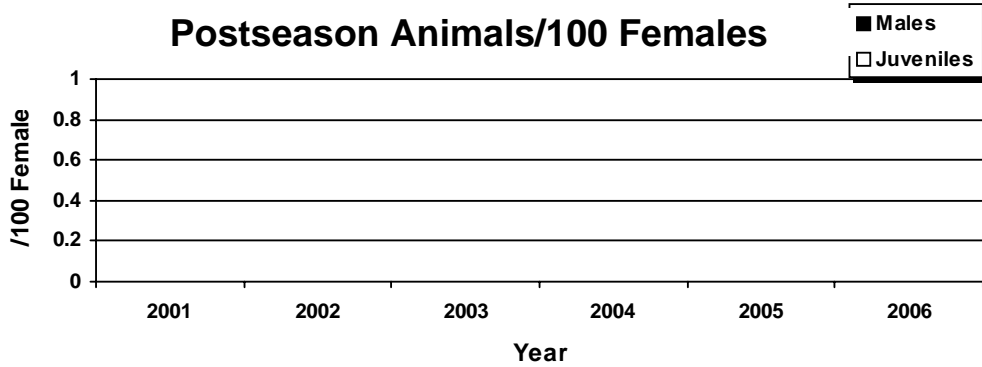
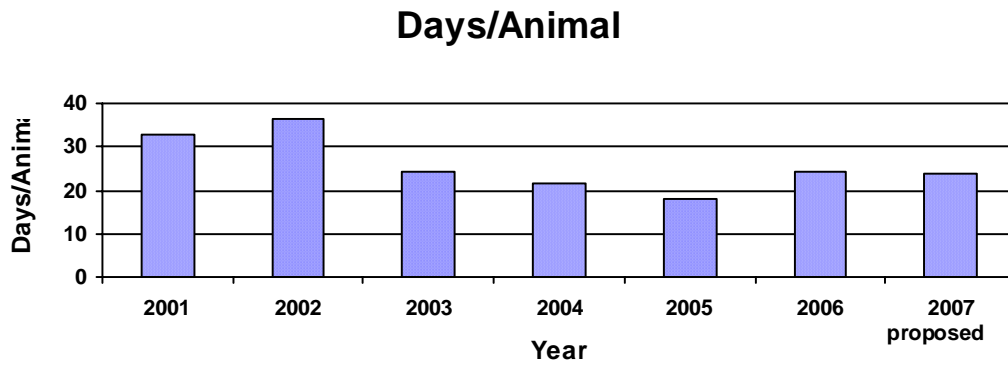
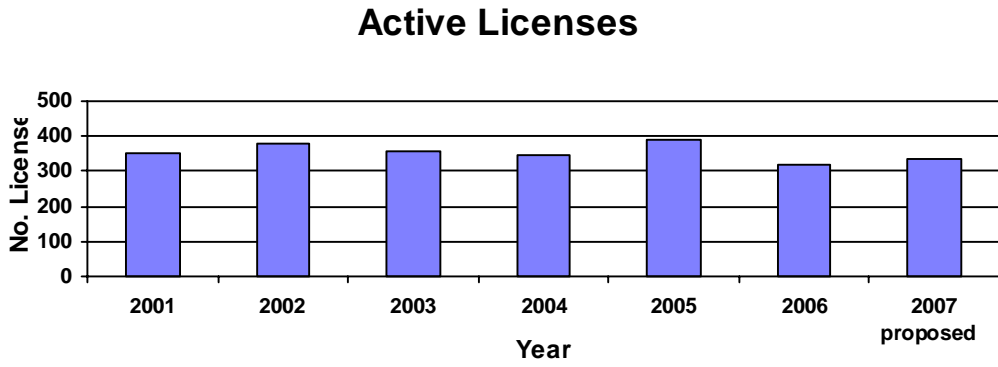
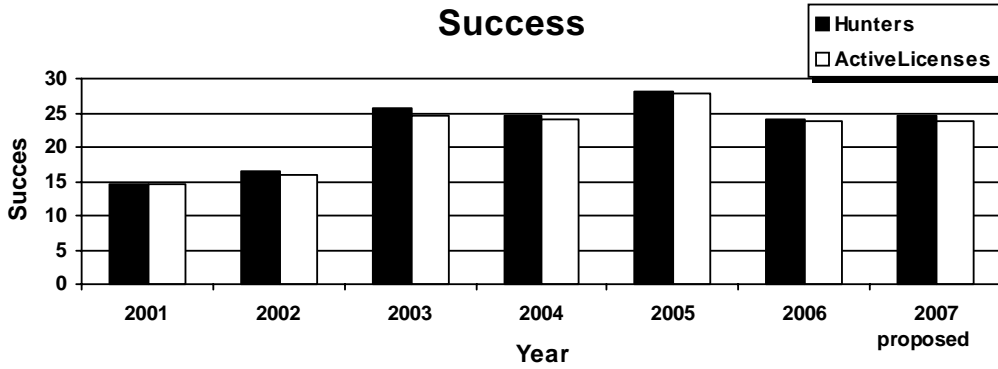
5. POPULATION TRENDS					
Trend Count Dates:	2/28/03			12/2-3/06	
Trend Count:	107	0	0	0	149
Herd Model Pop Est:	0	0	0	0	0
Line Trans Pop Est:	0	0	0	0	0

SPECIES : Elk
 HERD UNIT : TARGHEE
 YEAR : 2006

MODEL DATE : None

	Averages 2001 - 2005	2006	Proposed 2007	Objective
Population (Est.)	0	0	0	200
Harvest	78	76	80	
Hunters	358	315	325	
Hunter Success	21.9%	24.1%	24.6%	
Active Licenses	365	319	335	
Active Licenses Success	21.5%	23.8%	23.9%	
Recreation Days	1,957	1,839	1,900	
Days/Animal	25.0	24.2	23.8	





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

Year: **2006** Species: **Elk** Herd Unit: **Targhee** Herd unit #: **E101** Biologist: **Brimeyer**

Management strategy: Recreational Special

	5-year average	Current year	Proposed
Population:	0	0	0
Harvest:	78	76	80
Hunters:	358	315	325
% Success:	22%	24%	25%
Rec. Days:	1,957	1,839	1,900
Days/animal:	25.09	24.20	23.75
Population objective			200

Percent population is above (+) or below (-) objective: -100%

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

Population estimates tracking with trend counts or line transect results? No

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

Most recent classification ratio (j/100f/m): 39/100/42

(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): /100/

(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: 0

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

There is no reliable model for this Herd Unit. Classification sample sizes have historically been small and no classification surveys were flown in this Herd Unit since 1999. Elk observed during a moose classification flight in Feb. 2003, Nov. 2004 and Dec. 2006 were recorded but not classified due to limited budget for flying. Post season objective is for elk wintering in Wyoming.

HARVEST REPORT

SPECIES : **Eik**

HERD UNIT : **TARGHEE**

YEAR : **2006**

PERIOD COVERED : **9/1/06 -1/31/06**

Prepared By : **DOUG BRIMEYER**

Hunt Area	License Type	L.Q. Licenses	No. Hunters	Ylg. Males	Adult Males	Females	Juveniles	Total	Percent Success	Days/Animal Taken
	Resident	0	195	3	33	17	3	56	28.7	21.2
73	Non-Resident	0	119	0	8	8	4	20	16.8	32.6
	Total	0	314	(319)*	3	41	7	76	24.2 (23.8)*	24.2
	Resident	0	196	3	33	17	3	56	28.6	21.2
Total	Non-Resident	0	119	0	8	8	4	20	16.8	32.6
	Total	0	315	(319)*	3	41	7	76	24.1 (23.8)*	24.2

* Active Licenses

2006 AGE STRUCTURE OF FIELD CHECKED ANIMALS

SPECIES : **Eik**
 HERD UNIT : **TARGHEE**

PREPARED BY : **DOUG BRIMEYER**

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

* Unaged animals older than yearlings Total Aged : 2

TREND COUNT REPORT

YEAR : 2006

SPECIES : Elk

HERD UNIT : TARGHEE

METHOD : Helicopter

DATE : 12/2-3/06

CONDITIONS : Shallow snow at low elev.

OBSERVERS : Brimeyer. Fuchs 12/06

Hunt Area	Count Block	Flight H : M	Number Counted	Photo	Comments
73	73	0 : 0	149		Partial survey during moose sightability
Totals		0 : 0	149		

2006 ELK HUNTING SEASONS

Targhee Elk Herd Unit E101

<u>Hunt Area</u>	<u>Type</u>	<u>Season Dates</u>		<u>Limitations</u>
		<u>Opens</u>	<u>Closes</u>	
73		Sept. 20	Oct. 31	General licenses; any elk
	2	Sept. 10	Oct. 31	Limited quota; 25 licenses; antlerless elk
	6	Sept. 10	Oct. 31	Limited quota; 50 licenses; cow or calf valid only in that portion of Area 73 south of Teton Creek
		Nov. 1	Jan. 31	Unused Area 73 Type 6 licenses valid for cow or calf elk on private lands in Area 73
		Sept. 1	Sept. 19	Special archery season

2007 ELK HUNTING SEASON RECOMMENDATIONS

Targhee Elk Herd Unit E101

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SPECIES: Elk
DAU NAME: Targhee (E 101)
HUNT AREAS: 73
TITLE: 2006 Management Evaluation

BACKGROUND

The Targhee Elk Herd includes the west slope of the Teton Range in western Teton County. The herd unit is 97% public land with 123,451 acres in the Jedediah Smith Wilderness and 10,715 acres in the Winegar Hole Wilderness.

Hunting seasons in this herd unit are designed to provide maximum recreational opportunity. Since 1999, hunting seasons have been formulated to reduce this population and address chronic damage problems along the Wyoming/Idaho state-line. The objective for this herd unit is 200 elk.

There are management challenges associated with this population due to seasonal movements between Wyoming and Idaho. This population spends summers in Wyoming and depending on climatic conditions, spend winters along the foothills of the Teton Range primarily in Idaho. Depending on winter severity, some elk move on to private feedlines and haystacks in Idaho.

MANAGEMENT EVALUATION

Classification

No classification flights were conducted in this herd since 1999. In 2004, a total of 32 elk were counted during a moose classification flight. In December 2006, a total of 149 elk were observed during a moose sightability flight. Elk were not classified during this flight because of time constraints and budget limitations.

Modeling

Past modeling efforts were based on inadequate classification data and no harvest data from Idaho. Model revisions were made in an attempt to mimic observed values and perceived population trends. Despite utilizing standardized model parameters in 2003, the model did not mimic population dynamics for this population. Due to the lack of data, there is no model for this moose population.

HARVEST STATISTICS

2006 Harvest

The 2006 harvest survey indicates that 315 hunters harvested, 41 mature bulls, 3 spike bulls, 25 cows and 7 calves. These hunters had a 24% success rate and averaged 24 days per animal harvested. General license hunters averaged 24% success and 23 days per animal harvested. A total of 34 hunters holding Type 6 licenses took 8 cow elk during the 2006 season. These hunters spent 35 days/animal harvested in the field. Hunter success in 2006 (24%) was slightly lower than 2005 (28 %) and the 2001-2005 average (25 %). The 2006 average days/animal harvested (24) was higher than 2005 (18 days/animal) and the slightly lower than 2001-2005 average (25 days/animal). The Type 6 cow licenses appear to be helping with chronic damage

problems south of Teton Creek. Landowners in the Wilson area have allowed hunting late in the fall as elk began moving onto private lands.

2005 Harvest

During 2005, a total of 389 hunters harvested, 68 mature bulls, 11 spike bulls, 15 cows and 15 calves. These hunters had a 28% success rate and spent 18 days per animal harvested afield. The general license hunters had a 29% success rate at 16 days per animal harvested. A total of 40 hunters holding Type 6 licenses hunted during 2005. These hunters harvested 8 cows and 2 calves had a 25% success rate. These hunters spent 33 days/animal harvested in the field.

2004 Harvest

During 2004, a total of 340 hunters harvested, 44 mature bulls, 11 spike bulls, 21 cows and 8 calves. These hunters had a 25% success rate at 22 days per animal harvested.

MANAGEMENT SUMMARY

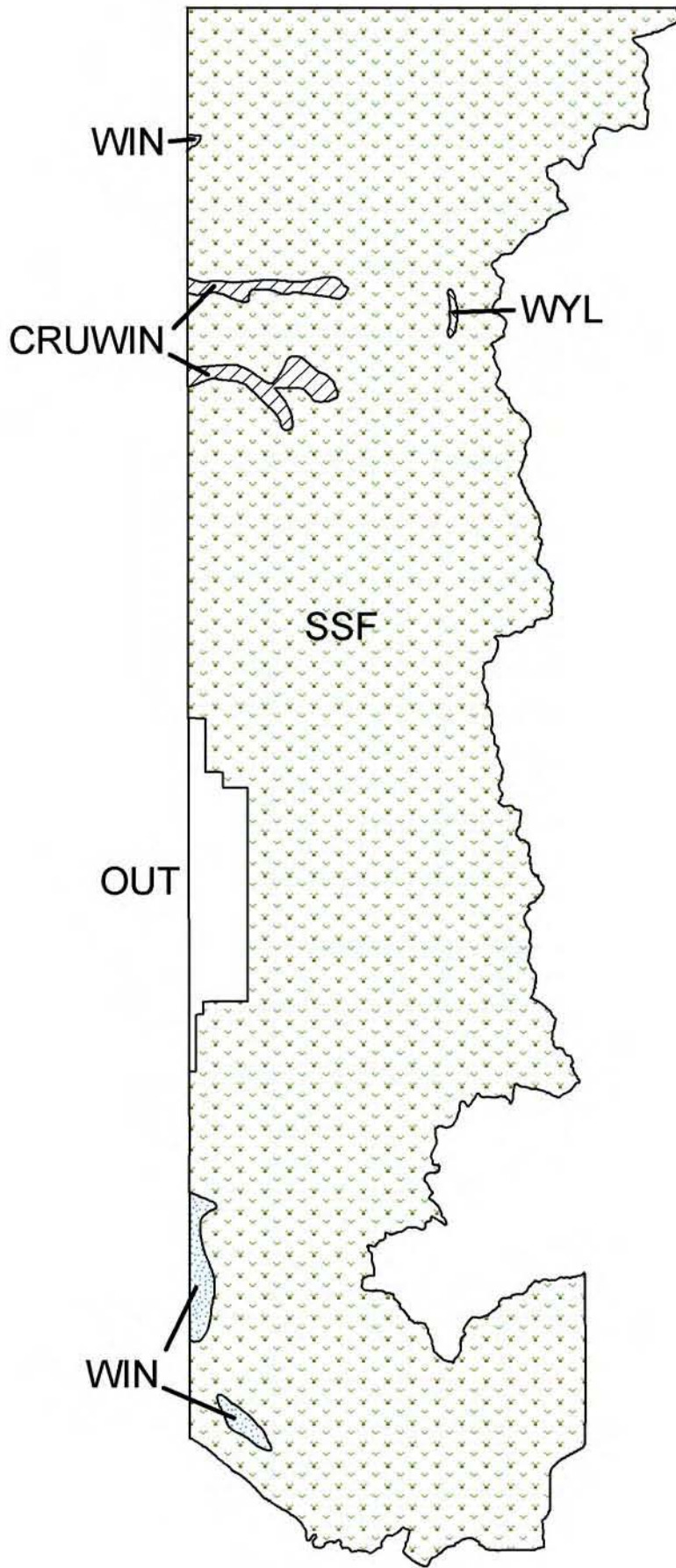
During the 2006 hunting season, harvest levels and hunter participation was lower than levels observed in 2005. Cow harvest by Type 6 license holders continues to be important as elk begin to stage during the late fall north of Wilson. These license types likely keep elk numbers in check while discouraging damage to private lands.

There were no aerial classification surveys for elk from 2004 to 2006 although 32 elk were observed during a limited survey in 2004 and 132 elk were observed during a moose sightability flight in 2006. Due to budget constraints, no classification flights are scheduled in this herd unit.

In the past, management emphasis has been on reducing elk damage to private lands along the state line and to aid the Idaho Fish and Game Department by reducing elk in the area. From 2004 to 2006, Area 73 Type 6 licenses were valid on private lands December 1 – January 31 in an attempt to focus hunting pressure on areas experiencing damage including lands near Wilson and along Wyoming State Highway 390. From monitoring hunters and contacting landowners, it appears that this type of season structure is helping to reduce damage in this area.

MANAGEMENT RECOMMENDATIONS

1. Work with the Idaho Fish and Game Department to coordinate aerial population surveys along the state line.
2. Continue to monitor harvest statistics this fall and evaluate the Type 6 cow calf licenses on private land.



E101 - Targhee
HA 73
Revised - 7/87

