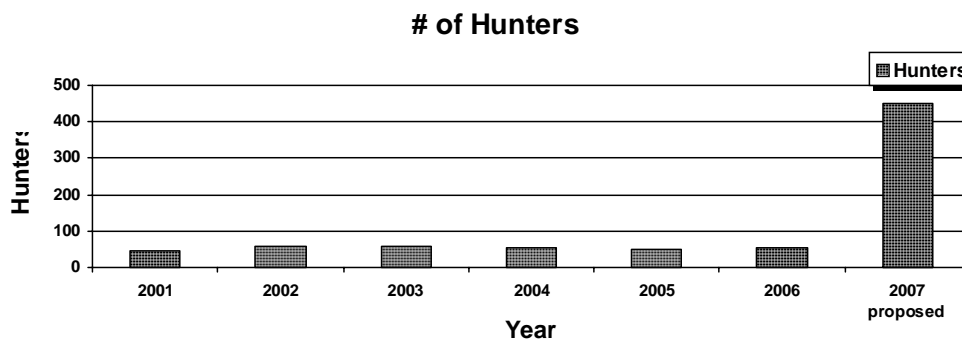
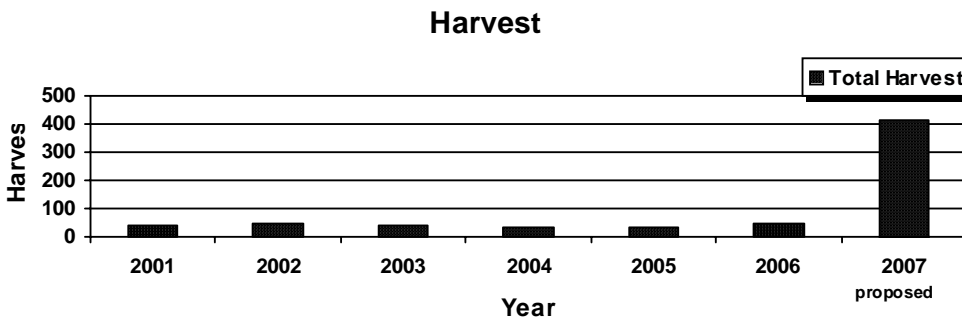
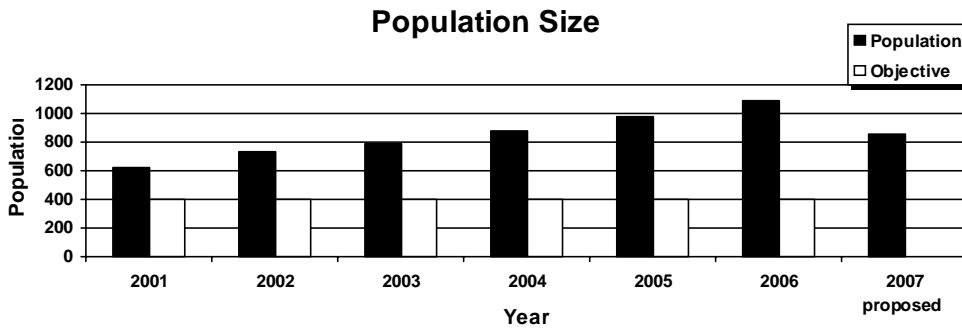
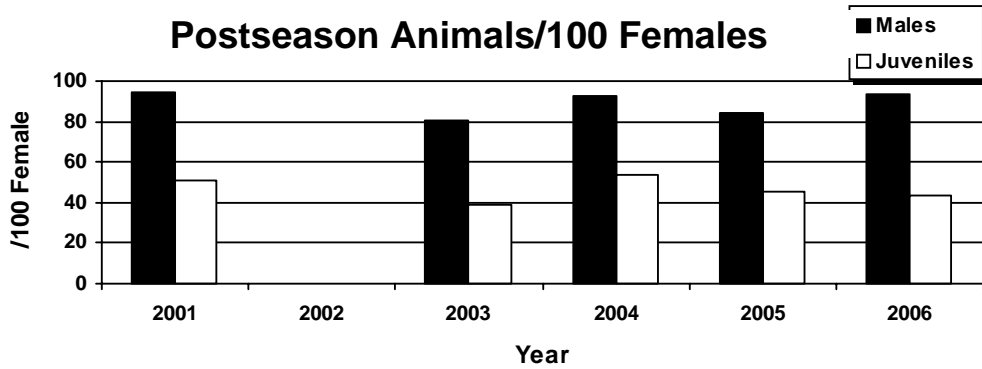
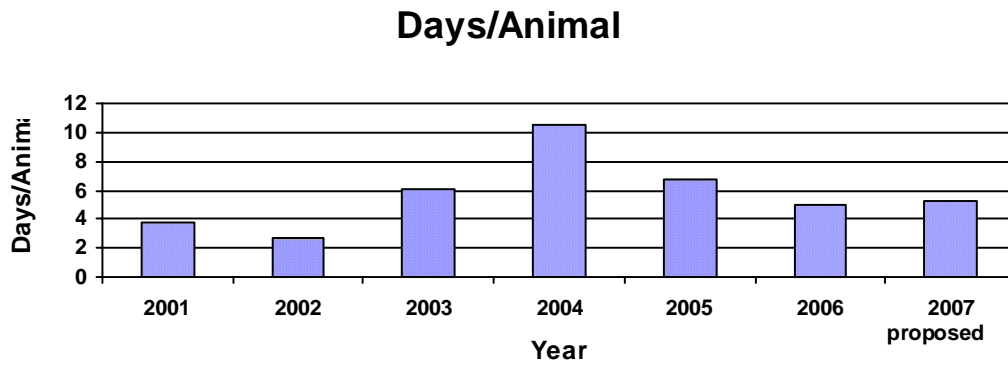
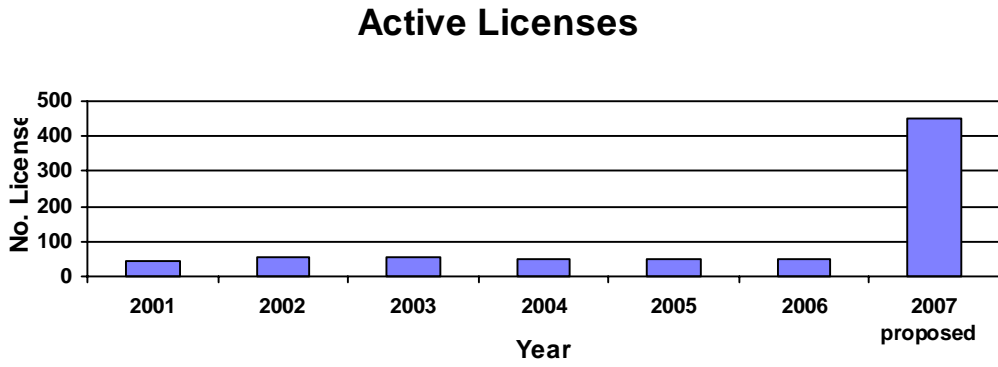
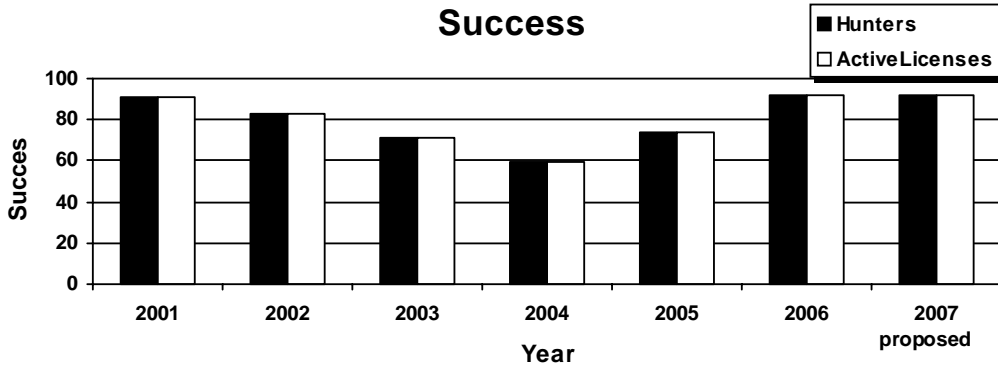


SPECIES : **Bison**
 HERD UNIT : **Jackson**
 YEAR : **2006**

MODEL DATE : **3/1/07**

	Averages 2001 - 2005	2006	Proposed 2007	Objective
Population (Est.)	802	1,085	859	400
Harvest	39	48	415	
Hunters	52	52	450	
Hunter Success	75.3%	92.3%	92.2%	
Active Licenses	52	52	450	
Active Licenses Success	75.3%	92.3%	92.2%	
Recreation Days	219	240	2,200	
Days/Animal	5.6	5.0	5.3	





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

Year: **2006** Species: **Elk** Herd Unit: **JacksonBison** Herd unit #: **B101** Biologist: **Brimeyer**

Management strategy: Recreational Special

	5-year average	Current year	Proposed
Population:	802	1,085	859
Harvest:	39	48	415
Hunters:	52	52	450
% Success:	75%	92%	92%
Rec. Days:	219	240	2,200
Days/animal:	5.62	5.00	5.30

Population objective 400

Percent population is above (+) or below (-) objective: 171%

Number of years population has been + or - objective in recent trend: 9

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

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

Most recent classification ratio (j/100f/m): 44/100/93

(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): 46/100/88

(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:	5.00%	31.30%
Males ≥ 1 year old:	5.40%	35.70%
Juveniles (< 1 year old):	0.00%	29.40%
Total:	4.24%	32.57%

Projected change in post-season population: (+ or -)10.00% (+ or -) 20.90%

Moose: Average age of male harvest:

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

HARVEST REPORT

SPECIES : **Bison**

HERD UNIT : **Jackson**

YEAR : **2006**

PERIOD COVERED : **Sept1-Nov. 30**

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	44	44	0	18	23	0	41	93.2	5.6
2	Non-Resident	8	8	0	5	2	0	7	87.5	1.3
	Total	52	52	(52)*	0	23	0	48	92.3 (92.3)*	5.0
	Resident	44	44	0	18	23	0	41	93.2	5.6
Total	Non-Resident	8	8	0	5	2	0	7	87.5	1.3
	Total	52	52	(52)*	0	23	0	48	92.3 (92.3)*	5.0

* Active Licenses

2006 AGE STRUCTURE OF FIELD CHECKED ANIMALS

SPECIES : **Bison**
 HERD UNIT : **Jackson**

PREPARED BY : **Doug Brimeyer**

Hunt Area	Sex	Young	1+	2+	3+	4+	5+	6+	7+	Older	Unaged Adults *	Total
2	Male	0	0	1	8	5	6	1	2	1	0	24
	Female	0	0	5	3	4	0	1	3	6	2	24
Totals :	Male	0	0	1	8	5	6	1	2	1	0	24
	Female	0	0	5	3	4	0	1	3	6	2	24

* Unaged animals older than yearlings

Total Aged : 48

SEX AND AGE COUNT REPORT

SPECIES : **Bison**

HERD UNIT : **Jackson**

YEAR : **2006**

PREPARED BY : **Doug Brimeyer**

POSTHUNT CLASSIFICATION DATES : 2/14/07

Hunt Area	----- MALES -----			Females	Juveniles	Total
	Yearlings	Adults	Total			
77	114	218	332	446	196	974
777	0	56	56	1	0	57
888	0	28	28	0	0	28
Total Sample	114	302	416	447	196	1,059
Adequate Sample			345	371	163	878
Precision @ 90 C.L.						

Juveniles / 100 Females : 44 ± 1
Total Males / 100 Females : 93 ± 2
Adult Males / 100 Females : 68
Yearlings / 100 Females : 26

TREND COUNT REPORT

YEAR : 2006

SPECIES : **Bison**

HERD UNIT : **Jackson**

METHOD : **Ground**

DATE : **Feb.14**

CONDITIONS : **70%snowpack**

OBSERVERS : **GF and ParkService**

Hunt Area	Count Block	Flight H : M	Number Counted	Photo	Comments
77	77	0 : 0	974		NER on feed
777	777	0 : 0	57		Off feed NER
888	888	0 : 0	28		Tri X and Elk Ranch
<hr/>					
Totals		0 : 0	1,059		

Jackson Bison Model

Data from 1990 to 2010

Simulation from 1995 to 2010

Age Class	Init Pop. Prop.		Presn Mort%		Postsn Mort%		Effort Set 1		Effort Set 2	
	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
0	26.0	26.0	10.0	10.0	10.0	10.0	1.00	1.00	0.00	0.00
1	20.0	20.0	1.0	1.0	5.0	5.0	1.00	1.00	0.00	0.00
2	19.0	21.0	1.0	1.0	1.0	1.0	1.00	1.00	0.00	0.00
3	17.0	18.0	1.0	1.0	1.0	1.0	1.00	1.00	0.00	0.00
4	12.0	13.0	1.0	1.0	1.0	1.0	1.00	1.00	0.00	0.00
5	8.0	9.0	1.0	1.0	1.0	1.0	1.00	1.00	0.00	0.00
6	8.0	8.0	1.0	1.0	1.0	1.0	1.00	1.00	0.00	0.00
7	6.0	8.0	1.0	1.0	5.0	2.0	1.00	1.00	0.00	0.00
8	6.0	7.0	1.0	1.0	8.0	4.0	1.00	1.00	0.00	0.00
9	4.0	6.0	1.0	1.0	10.0	7.0	1.00	1.00	0.00	0.00
10	2.0	4.0	1.0	1.0	15.0	10.0	1.00	1.00	0.00	0.00
11	1.0	3.0	1.0	1.0	25.0	15.0	1.00	1.00	0.00	0.00
12	0.0	2.0	1.0	1.0	50.0	20.0	1.00	1.00	0.00	0.00
13	0.0	1.0	1.0	1.0	60.0	30.0	1.00	1.00	0.00	0.00
14	0.0	1.0	1.0	1.0	80.0	50.0	1.00	1.00	0.00	0.00
15	0.0	0.0	1.0	1.0	100.0	100.0	1.00	1.00	0.00	0.00
Sum =		276.0	Estimated Sum =		284	Subadults: Ages 0 to 0				

Bio-Year	Preseason MSI	MSI Function is Linear			Postseason MSI	Effort & Wound Set Used
		Harvest Subadults#	Des. Pop Size in NA Males#	Females#		
1990	1.00	0	10	9	0.90	1
1991	1.00	0	2	0	0.90	1
1992	1.00	0	0	0	0.90	1
1993	1.00	0	0	0	0.90	1
1994	1.00	0	0	0	0.90	1
1995	1.00	0	0	0	0.90	1
1996	1.00	0	0	0	0.90	1
1997	1.00	0	0	0	0.90	1
1998	1.00	0	4	0	0.90	1
1999	1.00	1	8	3	0.90	1
2000	1.15	0	13	6	0.90	1
2001	0.90	0	25	21	0.90	1
2002	1.00	0	25	23	0.90	1
2003	2.55	0	31	11	0.90	1
2004	0.15	0	21	10	0.90	1
2005	1.60	0	24	12	0.90	1
2006	1.72	0	23	25	0.90	1
2007	1.00	75	170	170	0.90	1
2008	1.00	0	25	20	0.90	1
2009	1.00	0	25	20	0.90	1
2010	1.00	0	25	20	0.90	1
Set 1 Wounding Loss		0.0%	0.0%	0.0%	Yearling Male	1.0%
Set 1 Wounding Loss		0.0%	0.0%	0.0%	Yearling Male	0.0%

Bio- Year	Young/100 Fems Age 1 - 2	Young/100 Fems Age 3 - 15	Young/100 Fems Disabled	Sex Ratio: 50 : 50
1991	0.0	65.0	0.0	
1992	0.0	74.0	0.0	
1993	0.0	77.0	0.0	
1994	0.0	61.0	0.0	
1995	0.0	58.0	0.0	
1996	0.0	86.0	0.0	
1997	0.0	90.0	0.0	
1998	0.0	80.0	0.0	
1999	0.0	76.0	0.0	
2000	0.0	76.0	0.0	
2001	0.0	76.0	0.0	
2002	0.0	76.0	0.0	
2003	0.0	76.0	0.0	
2004	0.0	76.0	0.0	
2005	0.0	76.0	0.0	
2006	0.0	76.0	0.0	
2007	0.0	76.0	0.0	
2008	0.0	76.0	0.0	
2009	0.0	76.0	0.0	
2010	0.0	76.0	0.0	
2011	0.0	76.0	0.0	

Table 1. Population Size During Bio-Year for BISON.GN1 03/02/2007 04:14 pm

Bio-Year	Start	Pre-Season	Post Season	End	%Growth
1995	284	276	276	265	23.4
1996	350	339	339	323	21.2
1997	425	411	411	391	16.0
1998	493	479	475	451	15.1
1999	567	551	539	512	14.5
2000	649	627	608	577	12.8
2001	732	713	667	632	9.0
2002	798	775	727	689	8.9
2003	869	806	764	725	6.7
2004	928	924	893	845	16.2
2005	1078	1028	991	940	10.7
2006	1193	1133	1085	1029	10.0
2007	1313	1274	859	814	-20.9
2008	1038	1007	962	912	11.5
2009	1157	1124	1079	1022	12.1
2010	1298	1260	1215	1152	12.6

Table 2. Preseason Natural Mortality for BISON.GN1 03/02/2007 04:14 pm

Bio-Year	Sub-Adults	Adult Males	Adult Females	Total	% of Pop
1995	5	1	1	8	2.7
1996	9	1	1	11	3.2
1997	10	2	2	13	3.2
1998	10	2	2	14	2.9
1999	12	2	2	16	2.8
2000	16	3	3	22	3.3
2001	14	2	3	19	2.6
2002	17	3	3	23	2.9
2003	46	8	9	63	7.3
2004	3	1	1	4	0.4
2005	37	6	7	51	4.7
2006	44	7	9	60	5.0
2007	28	5	5	39	2.9
2008	22	4	4	31	2.9
2009	25	4	5	34	2.9
2010	28	5	5	38	2.9

Table 3. Harvest Mortality for BISON.GN1 03/02/2007 04:14 pm

Bio-Year	Sub-Adults	Adult Males	Adult Females	Total	% of Pop
1995	0	0	0	0	0.0
1996	0	0	0	0	0.0
1997	0	0	0	0	0.0
1998	0	4	0	4	0.8
1999	1	8	3	12	2.2
2000	0	13	6	19	3.0
2001	0	25	21	46	6.5
2002	0	25	23	48	6.2
2003	0	31	11	42	5.2
2004	0	21	10	31	3.4
2005	0	24	12	36	3.5
2006	0	23	25	48	4.2

2007	75	170	170	415	32.6
2008	0	25	20	45	4.5
2009	0	25	20	45	4.0
2010	0	25	20	45	3.6

Table 4. Harvest Percentages for BISON.GN1 03/02/2007 04:14 pm

Bio-Year	Sub-Adults	Adult Males	Adult Females	Total	Yearling Males
1995	0.0	0.0	0.0	0.00	0.0
1996	0.0	0.0	0.0	0.00	0.0
1997	0.0	0.0	0.0	0.00	0.0
1998	0.0	2.2	0.0	0.84	22.3
1999	1.0	3.7	1.3	2.18	19.4
2000	0.0	5.4	2.3	3.03	19.3
2001	0.0	9.2	7.0	6.45	20.2
2002	0.0	8.4	7.0	6.19	21.4
2003	0.0	9.7	3.1	5.21	20.8
2004	0.0	6.2	2.6	3.36	18.1
2005	0.0	6.2	2.7	3.50	23.2
2006	0.0	5.4	5.0	4.24	20.5
2007	29.4	35.7	31.3	32.57	19.9
2008	0.0	6.7	4.6	4.47	21.9
2009	0.0	6.0	4.1	4.00	21.7
2010	0.0	5.3	3.7	3.57	21.1

Table 5. Postseason Natural Mortality for BISON.GN1 03/02/2007 04:14 pm

Bio-Year	Sub-Adults	Adult Males	Adult Females	Total	% of Pop
1995	4	3	4	12	4.2
1996	7	4	5	16	4.9
1997	8	6	7	21	5.1
1998	8	8	8	24	5.0
1999	9	9	9	27	5.1
2000	11	10	10	31	5.2
2001	13	11	11	35	5.3
2002	13	12	12	38	5.2
2003	12	13	14	39	5.0
2004	18	14	15	47	5.3
2005	18	16	18	52	5.2
2006	19	18	20	56	5.2
2007	16	13	16	45	5.2
2008	18	15	17	51	5.3
2009	20	17	19	56	5.2
2010	22	19	21	63	5.2

Table 6. Preseason Ratios for BISON.GN1 03/02/2007 04:14 pm

Bio-Year	Subadults /100 1+F	2+ Males /100 1+F	Yr. Males /100 1+F	Ad Males /100 1+F
1995	39.1	68.6	16.5	85.1
1996	55.2	72.2	15.5	87.8
1997	54.8	69.9	20.7	90.6
1998	45.8	72.0	20.6	92.6
1999	45.1	74.3	17.8	92.2
2000	46.1	73.8	17.7	91.4
2001	47.0	72.1	18.3	90.3
2002	45.6	70.9	19.3	90.2
2003	38.1	71.8	18.9	90.7

2004	51.3	70.9	15.7	86.6
2005	43.8	66.3	20.0	86.3
2006	42.3	68.2	17.6	85.8
2007	47.0	70.4	17.4	87.8
2008	46.4	66.7	18.7	85.4
2009	45.7	67.6	18.8	86.4
2010	45.8	68.8	18.4	87.3

Table 7. Postseason Ratios for BISON.GN1 03/02/2007 04:14 pm

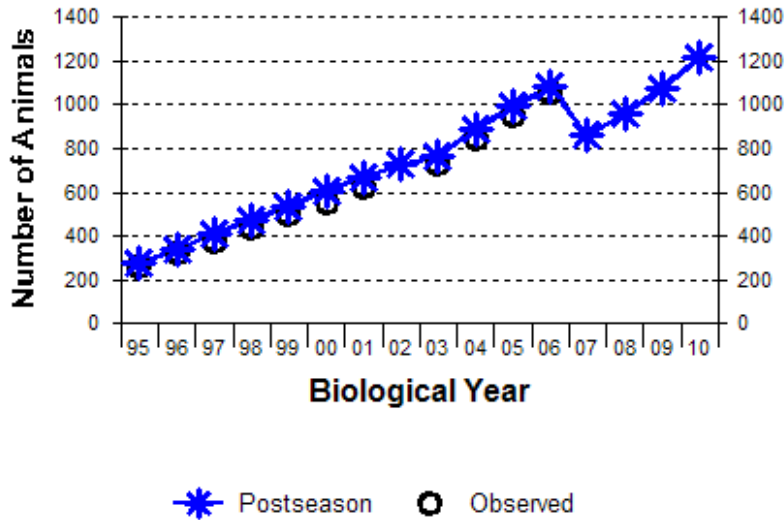
Bio- Year	Subadults /100 1+F	2+ Males /100 1+F	Yr. Males /100 1+F	Ad Males /100 1+F
1995	39.1	68.6	16.5	85.1
1996	55.2	72.2	15.5	87.8
1997	54.8	69.9	20.7	90.6
1998	45.8	70.4	20.2	90.6
1999	45.3	72.5	17.4	89.9
2000	47.1	71.4	17.1	88.5
2001	50.5	70.3	17.8	88.2
2002	49.0	69.8	19.0	88.8
2003	39.3	66.9	17.6	84.5
2004	52.7	68.2	15.1	83.3
2005	45.0	63.9	19.2	83.1
2006	44.5	67.9	17.5	85.4
2007	48.4	65.9	16.2	82.1
2008	48.7	65.2	18.2	83.4
2009	47.6	66.3	18.4	84.7
2010	47.6	67.7	18.1	85.8

Table 8. End of Year Ratios for BISON.GN1 03/02/2007 04:14 pm

Bio- Year	Subadults /100 Adlts	Subadults /100 1+F	Yr. Males /100 1+F	Ad Males /100 1+F
1995	19.8	36.8	16.3	85.5
1996	27.8	52.3	15.4	88.2
1997	27.3	52.0	20.6	90.7
1998	22.8	43.5	20.1	90.5
1999	22.6	42.9	17.3	89.6
2000	23.8	44.7	17.0	88.2
2001	25.5	48.0	17.7	87.9
2002	24.7	46.5	18.9	88.5
2003	20.2	37.2	17.5	84.1
2004	27.3	49.9	15.0	82.9
2005	23.4	42.7	19.2	82.7
2006	22.8	42.2	17.5	85.2
2007	25.2	45.9	16.2	82.0
2008	25.2	46.2	18.2	83.2
2009	24.5	45.2	18.3	84.4
2010	24.3	45.2	18.1	85.7

POP-II (V1.2.5) Graph 1. Population Size During Bio-Y... ✖

Graph 1. Population Size During Bio-Year



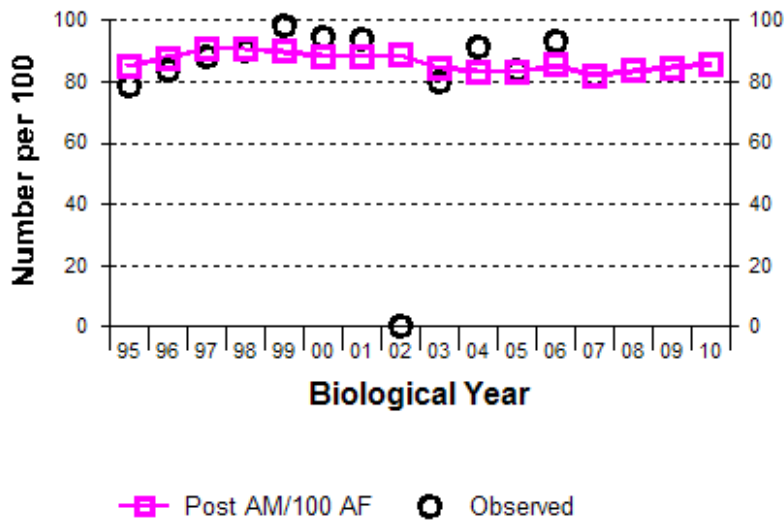
YR	SIM	OBS
95	276	255
96	339	318
97	411	377
98	475	438
99	539	501
00	608	552
01	667	627
02	727	---
03	764	729
04	893	848
05	991	948
06	1085	1059
07	859	---
08	962	---
09	1079	---
10	1215	---

AVERAGES		
of Col.	743	
of Pair	641	605

BISON.GN1, 03/02/2007 04:14 pm, Correlation (R) = 0.999, GOF = 0.938

POP-II (V1.2.5) Graph 7. Postseason Ratios ✖

Graph 7. Postseason Ratios



YR	SIM	OBS
95	85	79
96	88	84
97	91	88
98	91	90
99	90	99
00	88	95
01	88	94
02	89	0
03	84	80
04	83	91
05	83	84
06	85	93
07	82	---
08	83	---
09	85	---
10	86	---

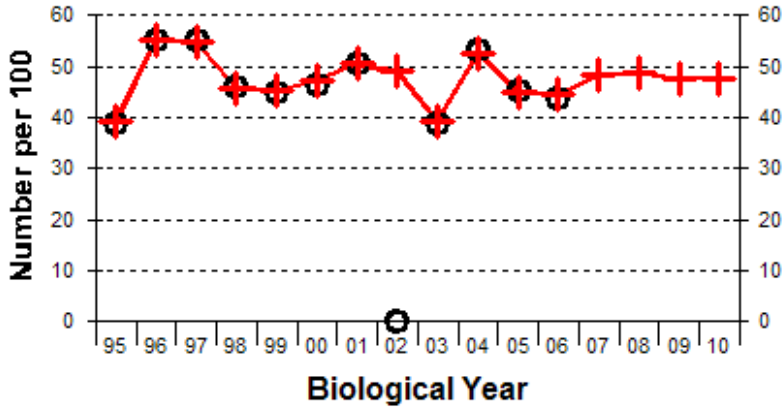
AVERAGES		
of Col.	86	
of Pair	87	81

BISON.GN1, 03/02/2007 04:14 pm, Correlation (R) = -0.078, GOF = 0.678

POP-II (V1.2.5) Graph 7. Postseason Ratios



Graph 7. Postseason Ratios



+ Post SA/100 AF ○ Observed

BISON.GN1, 03/02/2007 04:14 pm, Correlation (R) = 0.281, GOF = 0.672

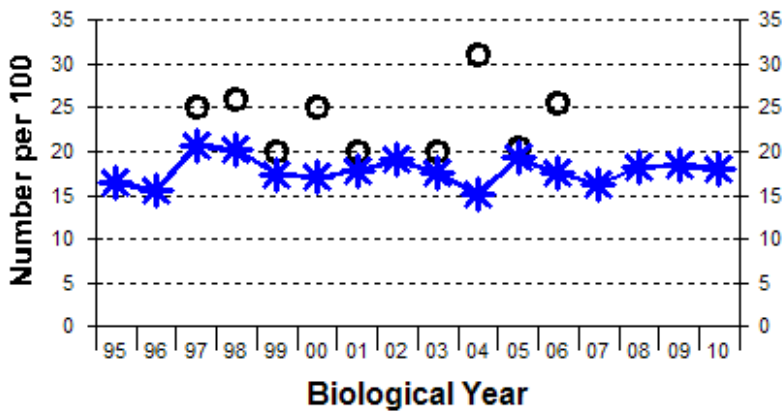
YR	SIM	OBS
95	39	39
96	55	55
97	55	55
98	46	46
99	45	45
00	47	47
01	51	51
02	49	0
03	39	39
04	53	53
05	45	45
06	44	44
07	48	---
08	49	---
09	48	---
10	48	---

AVERAGES
of Col. 48
of Pair 47 43

POP-II (V1.2.5) Graph 7. Postseason Ratios



Graph 7. Postseason Ratios



* Post YM/100 AF ○ Observed

BISON.GN1, 03/02/2007 04:14 pm, Correlation (R) = -0.268, GOF = 0.701

YR	SIM	OBS
95	17	---
96	16	---
97	21	25
98	20	26
99	17	20
00	17	25
01	18	20
02	19	---
03	18	20
04	15	31
05	19	21
06	18	26
07	16	---
08	18	---
09	18	---
10	18	---

AVERAGES
of Col. 18
of Pair 18 24

Jackson Bison Herd Unit B101

Hunt Area	Type	Season Dates		Limitations
		Opens	Closes	
2	1	Sept. 1	Nov. 30	Limited quota, 40 licenses any male wild bull bison
	2	Sept. 1	Nov. 30	Limited quota, 60 licenses any female/calf wild bison

Management Evaluation

This bison population is estimated at 1085 animals. Bison spend the majority of the fall hunting season on lands closed to hunting in Grand Teton National Park and the National Elk Refuge (NER). Hunter numbers have been maintained at a reduced level because of the limited area available to hunt. In 2007, managers propose to hunt bison on the National Elk Refuge once the current legal restrictions are lifted. Projected harvest levels used in the POPII simulation are a maximum level that may be achieved if hunting is allowed on the NER. Initial hunter numbers to be contacted at the beginning of the fall season have been increased over 2006 levels to address increasing bison numbers. In the event that hunting is allowed on the NER, additional hunter contacts will be made in September. However, due to the small acreages where bison are available to hunt, hunter crowding is a concern and offering permits above the initial level is not recommended until legal restrictions are lifted.

A total of 1059 bison were counted during classification surveys in 2006. Personnel from Grand Teton National Park and the Wyoming Game & Fish Department classified 302 adult males, 114 yearling males, 447 cows and 196 calves. Total herd unit ratios were 93 bulls:100 cows and 44 calves:100 cows.

Harvest Statistics

During the 2006 bison season, 48 hunters harvested 25 bull bison and 21 female bison. Hunters reported 100% success on bulls and 50% success on cows. Overall, hunters experienced a 74% success rate and spent 6.8 days/animal harvested in the field. The 2000 – 2004 harvest averaged 36 bison and hunter effort was 5.3 days/animal harvested. The average hunter success during this time period was 76%. Successful bull hunters took 10 (42%) bull bison on Forest Service lands north of the NER. All of the cow harvest occurred on National Forest lands east of the NER (Table 1).

Management Summary

Hunting season quotas proposed for 2007 have been increased over 2003 - 2006 levels but are still conservative due to the limited area available to hunt bison. During 2004, the 15 day hunt period was changed to allow hunters selected from the wild bison priority list to hunt from September 1 – November 30. In addition, the orientation and qualification shoot requirements were eliminated from the regulation. In 2006, 25 hunters from the bison priority list were contacted to hunt bull bison and 50 hunters were contacted to hunt cow bison. However, only 23 hunters participated in the bull bison hunt and 26 hunters participated in the cow bison hunt. Due to the low hunter success for cow bison, it is likely participation will be low until hunting is allowed on the NER. Without hunting on the NER, this population will continue to grow at approximately 13% annually. The proposed 2007 harvest is 33% of the estimated preseason population. The projected male and female harvest will be 36% and 31% respectively of the simulated adult male and female population segments.

BRUCELLOSIS MANAGEMENT

Surveillance 2006 Hunt

Licensed hunters harvested a total of 48 bison from the Jackson bison herd during the fall of 2006. Brucellosis status of the herd was assessed by testing blood samples collected from these animals (Table 2.) Usable blood samples were collected from 22 of 24 (92%) bull bison and 23 of 24 (96%) cow bison. Serology results indicated 71% (n=32/45) of all bison harvested and tested in 2006 were positive for *B. abortus* antibodies. Male seroprevalence was 59% (n=13/22), and 83% of females were positive (n=19/23) (Table 1)

Table 1. Age and location of harvested bison in the Jackson Herd, 2006. UTA: Unable to Age.

Kill Date	Sex	Age	Location	Samples submitted
9/2/2006	F	13	Shadow Mountain	blood, teeth, tissue
9/2/2006	F	10	Shadow Mountain	blood, teeth, tissue
9/2/2006	F	8	Ditch Creek	blood, teeth, tissue
9/2/2006	M	3	Shadow Mountain	blood, teeth, tissue
9/3/2006	F	6	Spread Creek	blood, teeth, tissue
9/9/2006	F	4	Uhl Draw	blood, teeth, tissue
9/12/2006	M	7	Ditch Creek	blood, teeth, tissue
9/16/2006	F	3	Shadow Mountain	blood, teeth, tissue
9/20/2006	M	3	Shadow Mountain	blood, teeth, tissue
9/22/2006	F	8	Shadow Mountain	blood, teeth, tissue
9/27/2006	M	5	Shadow Mountain	blood, teeth, tissue
9/28/2006	M	4	Near Ditch Creek	blood, teeth, tissue
10/6/2006	M	3	Shadow Mountain	blood, teeth, tissue
10/7/2006	M	3	Ditch Creek	blood, teeth, tissue
10/10/2006	M	5	Carpenter Draw	blood, teeth, tissue
10/10/2006	M	2	Mineral Lick	blood, teeth, tissue
10/12/2006	M	8	Diamond L	blood, teeth, tissue
10/14/2006	M	6	Lost Springs	blood, teeth, tissue
10/14/2006	F	4	Mineral Lick	blood, teeth, tissue
10/16/2006	M	4	Mineral Lick	blood, teeth, tissue
10/20/2006	M	5	NER, violation	blood, teeth, tissue
10/21/2006	M	3	Ditch Creek	blood, teeth, tissue
10/22/2006	M	3	Ditch Creek	blood, teeth, tissue
10/22/2006	F	7	Shadow Mountain	blood, teeth, tissue
10/23/2006	M	4	Curtis Canyon	blood, teeth, tissue
10/24/2006	F	4	Turpin Creek, GTNP	blood, teeth, tissue
10/28/2006	M	7	Shadow Mountain	blood, teeth, tissue
10/28/2006	M	4	Shadow Mountain	blood, teeth, tissue
11/5/2006	M	5	Ditch Creek	blood, teeth, tissue
11/7/2006	F	7	Flat Creek	blood, teeth, tissue
11/8/2006	M	3	Flat Creek	blood, teeth, tissue
11/9/2006	F	7	Mineral Lick	blood, teeth, tissue
11/7/2006	F	UTA	Mineral Lick	blood, teeth, tissue
11/9/2006	F	4	Flat Creek	blood, teeth, tissue
11/11/2006	M	5	Antelope Springs	blood, teeth, tissue
11/12/2006	F	11	Mineral Lick	blood, teeth, tissue
11/12/2006	F	2	Mineral Lick	blood, teeth, tissue

11/12/2006	F	10	Mineral Lick	blood, teeth, tissue
11/12/2006	F	2	Mineral Lick	blood, teeth, tissue
11/14/2006	M	5	Flat Creek	blood, teeth, tissue
11/14/2006	F	2	Mineral Lick	blood, teeth, tissue
11/17/2006	F	2	Mineral Lick	blood, teeth, tissue
11/17/2006	F	3	Flat Creek	blood, teeth, tissue
11/24/2006	M	4	Mineral Lick	blood, teeth, tissue
11/21/2006	F	UTA	Mineral Lick	blood, teeth, tissue
11/22/2006	F	2	Dry Hollow	blood, teeth, tissue
11/24/2006	M	3	Mineral Lick	blood, teeth, tissue
11/30/2006	F	3	Flat Creek	blood, teeth, tissue

Table 2. Brucellosis seroprevalence and culture status of harvested bison from the Jackson Herd, 1999-2006.

<u>Year</u>	<u>Sex</u>	<u>% Seroprevalence</u>	<u>% Culture Positive</u>
1999	male	43 (3/7)	0 (0/8)
1999	female	33 (1/3)	0 (0/3)
2000	male	67 (8/12)	0 (0/11)
2000	female	80 (4/5)	40 (2/5)
2001	male	63 (15/24)	24 (5/21)
2001	female	40 (8/20)	23 (4/18)
2002	male	71 (15/21)	NA
2002	female	48 (10/21)	NA
2003	male	65 (15/23)	NA
2003	female	55 (5/9)	NA
2004	male	71 (12/17)	NA
2004	female	78 (7/9)	NA
2005	male	70 (16/23)	NA
2005	female	58 (7/12)	NA
2006	male	59 (13/22)	NA
2006	female	83 (19/23)	NA
SUM	male	65 (97/149)	12.5 (5/40)
SUM	female	60 (61/102)	23 (6/26)
	All	63 (158/251)	

APPENDIX A

JACKSON/PINEDALE REGION WEATHER DATA Biological Years 2004 - 2006