

---

# **South Dakota GAME REPORT**

**No. 2010 - 01**

---

## ***2009***

**Annual Report**

### **BIG GAME HARVEST PROJECTIONS**

**Corey Huxoll**

**Game Harvest Surveys Coordinator  
Administrative Section  
Division of Wildlife  
South Dakota Department of Game, Fish and Parks  
Joe Foss Building, 523 E. Capitol Ave.  
Pierre, South Dakota 57501-3182**



## PREFACE

Big game harvest estimates reported herein for the 2009 big game seasons were developed as described in Wildlife Survey Manual, 2009-2015, South Dakota Department of Game, Fish and Parks. Species-specific methodologies are reported there.

Wildlife Division personnel, Administrative Section (all seasons except Bighorn sheep and Mountain goat – Corey Huxoll) and Region I (Bighorn sheep and Mountain goat – Ted Benzon) were responsible for development of these harvest estimates, as part of Federal Aid for Wildlife Restoration as Project W-95-R, with the exception of Custer State Park reports developed by Chad Lehman, Division of Parks & Recreation. Harvest surveys were processed and encoded by Erin Moehring, Dana Ertz, and Corey Huxoll.

This report funded in part by Federal Aid Project W-95-R





## INDEX

	Page
Preface .....	i
Index.....	1
<b>TURKEY</b> -- (excluding <i>Custer State Park</i> ; see separate section)	
<b>Spring Firearm Prairie</b> -- season summary.....	4
unit harvest projections .....	5
season trends.....	6
<b>Spring Firearm Black Hills</b> -- season summary.....	7
unit harvest projections .....	7
season trends.....	8
<b>Spring Archery Statewide</b> -- season summary.....	9
harvest distribution .....	10
season trends.....	10
<b>Spring Mentored Youth</b> -- season summary.....	11
harvest distribution .....	12
<b>Fall Firearm Prairie</b> -- season summary.....	13
unit harvest projections .....	14
season trends.....	15
<b>Fall Firearm Black Hills</b> -- season summary.....	16
season trends.....	17
<b>Fall Mentored Youth</b> -- season summary.....	18
harvest distribution .....	19
<b>PRONGHORN ANTELOPE</b>	
<b>Archery</b> -- season summary.....	20
harvest distribution .....	20
season trends.....	21
<b>Firearm</b> -- season summary.....	22
unit and license type harvest projections .....	23
unit harvest projections .....	24
season trends.....	25
<b>Mentored Youth</b> -- season summary.....	26
harvest distribution .....	27

**ELK** -- (excluding *Custer State Park*; see separate section)

<b>Archery</b> -- season summary .....	28
unit harvest projections .....	28
season trends.....	29
<b>Black Hills Firearm</b> -- season summary .....	30
unit harvest projections .....	31
season trends.....	32
<b>Prairie Firearm</b> -- season summary .....	33
unit harvest projections .....	33

**DEER**

<b>Statewide Combined All Deer</b> -- season summary .....	34
harvest projections .....	35
harvest trends .....	36
license trends .....	36
<b>Statewide Archery</b> -- season summary .....	37
harvest projections .....	37
harvest distribution by county.....	38
season trends.....	39

**Firearm Deer** -- (excluding *Custer State Park* - see separate section)

<b>Youth</b> -- season summary .....	40
unit harvest projections .....	40
harvest distribution by county.....	41
season trends.....	42
<b>Mentored Youth</b> -- season summary .....	43
unit harvest projections .....	43
harvest distribution by county.....	44
<b>Muzzleloader</b> -- season summary .....	45
unit harvest projections .....	45
harvest distribution by county.....	46
season trends.....	47
<b>West River</b> --season summary .....	48
unit harvest projections .....	49
unit and license type harvest projections .....	50
season trends.....	52
landowner on own land harvest.....	53
special buck harvest.....	54
<b>East River</b> -- season summary .....	55
unit harvest projections .....	56
unit and license type harvest projections .....	57
season trends.....	59
landowner on own land harvest.....	60
special buck harvest.....	61

**Firearm Deer** -- (continued)

**National Wildlife Refuge** - season summary ..... 62  
unit harvest projections ..... 63  
Sand Lake - season trends ..... 64  
Lacreek - season trends..... 64  
Waubay - season trends ..... 65

**Black Hills** -- season summary ..... 66  
unit harvest projections ..... 66  
season trends..... 67

**MOUNTAIN GOAT**-- (excluding *Custer State Park*, see separate section) ..... 69

**BIGHORN SHEEP** -- (excluding *Custer State Park*, see separate section) ..... 69

**MOUNTAIN LION** – season summary..... 70

**CUSTER STATE PARK**

Deer ..... 71  
Spring Turkey ..... 72  
Bighorn Sheep ..... 72  
Archery Elk ..... 73  
Firearm Elk ..... 74

**WORKING POPULATION ESTIMATES**..... 75

**BIG GAME DRAWING PROCESS**

Big Game excluding Elk ..... 77  
Elk except Custer State Park ..... 78  
Custer State Park Elk..... 79

## **SPRING PRAIRIE TURKEY**

In 2009, license sales totaled 7,479 (6,284 residents and 1,195 nonresidents) compared to 7,370 in 2008. There were 8,218 licenses available and overall tag sales totaled 12,472.

The survey sample size was 3,977 (56% of all hunters) and the response rate was 87.8%. Approximately 57% of responding hunters used the Internet response site. The reported overall success rate for hunters was 51% and the projected harvest was 6,369 turkeys.

Spring prairie turkey hunters averaged 2.93 days hunting for a projected total of 20,660 hunting days for the April 11 through May 17 season.

Double tag any-turkey licenses were available again this year and have been since 2001. An estimated 600 hens were harvested (9.4% of the total harvest) compared to 588 in 2008.

Respondents were asked to gauge their satisfaction of the season (1 being least satisfied, 7 being most satisfied) and the average response was 5.81.

### Comparison of the 2000-2009 Spring Prairie Turkey Seasons

Year	Res Lic	NR Lic	Tags	Harvest		Success	Avg Days Hunted	Satisf
				Toms	Hens			
2000	3,969	553	5,927	3,360	-	57%	2.75	4.48
2001	4,357	606	6,831	3,473	147	53%	2.49	4.47
2002	4,470	666	7,028	3,567	199	54%	2.65	4.64
2003	4,451	692	7,370	3,440	304	51%	2.74	4.76
2004	4,502	821	7,627	3,713	355	53%	2.71	4.69
2005	4,787	876	7,864	3,988	297	55%	2.87	4.78
2006	5,308	1,004	9,605	4,583	487	53%	2.77	4.59
2007	5,477	1,108	9,993	4,595	524	51%	2.73	5.58
2008	6,118	1,252	11,228	5,333	588	53%	2.73	5.64
2009	6,284	1,195	12,472	5,769	600	51%	2.93	5.81

South Dakota Game Report No 2010-01 - 2009 Big Game Harvest Projections  
 Corey Huxoll

## 2009 Spring Prairie Turkey Harvest Projections

Last Revised:

### Licenses

08/06/2009

County Unit	License Type	Licenses										Harvest Estimates					
		Resident			Nonresident			Response Rate	Unit/Subunit Success	1st tag	2nd tag	Total			Ave. Days Hunted	Avg Satsfctn	
		Applicants	Choice *	Avail.	Sold	Applicants	Choice *					Avail.	Sold	Hens			Harvest
Bennett	37	71	28	70	51	12	6	25	88%	70%	81%	51%	102	5	107	3.26	6.47
Bon Homme	32	300	293	300	300	0	0	0	87%	57%			167	5	172	3.43	5.94
Brookings	32	50	86	50	50	0	0	0	92%	33%			16	0	16	3.96	5.28
Brule	32	50	37	50	50	0	0	0	84%	# 61%			29	1	30	2.46	6.00
Butte/Lawrence	37	397	135	450	291	89	36	135	86%	44%	54%	35%	349	28	377	3.18	5.99
Charles Mix/Douglas	37	302	466	300	302	0	0	0	90%	49%	57%	40%	270	25	295	3.69	5.64
Clay	32	138	122	140	140	0	0	0	90%	49%			69	0	69	2.63	5.80
Corson	37	153	44	150	134	20	12	28	83%	# 38%	48%	31%	103	20	123	2.30	5.79
Custer/ Penn-Mid	37	140	51	180	132	16	15	30	85%	# 43%	49%	35%	126	13	138	3.35	5.59
Davison/Hanson	32	120	148	120	120	0	0	0	86%	54%			65	0	65	2.94	5.94
Day/Codington	32	60	73	60	60	0	0	0	73%	# 34%			20	0	20	3.02	5.24
Deuel	32	60	137	60	60	0	0	0	92%	47%			28	0	28	3.36	5.60
Dewey/Ziebach	37	199	73	250	174	35	20	50	86%	46%	55%	38%	182	23	205	2.35	5.73
Fall River	37	197	55	350	139	22	28	68	89%	42%	47%	38%	161	13	174	2.89	5.36
Grant	32	240	251	240	240	0	0	0	92%	55%			132	0	132	3.02	5.48
Gregory	37	918	862	850	849	190	68	69	86%	53%	63%	41%	803	167	969	2.64	5.93
Haakon	37	208	76	300	155	28	24	69	84%	# 49%	57%	39%	198	22	220	2.71	5.78
Hamlin	32	20	21	20	20	0	0	0	100%	65%			13	0	13	2.50	5.88
Harding	37	241	131	300	197	55	24	71	88%	30%	35%	27%	128	34	162	2.57	5.19
Hughes	37	40	36	40	40	0	0	0	79%	# 47%	52%	42%	32	5	37	3.19	5.33
Hutchinson	32	60	64	60	60	0	0	0	83%	# 58%			35	0	35	2.92	5.58
Jackson	37	192	90	200	143	45	16	69	89%	58%	66%	49%	218	28	247	2.29	6.34
Jerauld	32	10	13	10	10	0	0	0	100%	0%			0	0	0	2.50	4.13
Jones	32	46	5	100	37	4	8	22	87%	64%			38	0	38	1.87	6.57
Lincoln	32	120	263	120	120	0	0	0	90%	49%			59	0	59	3.79	5.61
Lyman	37	108	158	100	100	31	8	8	87%	61%	62%	59%	109	22	132	3.50	6.00
Marshall/Roberts	37	402	432	400	402	0	0	0	90%	45%	52%	38%	294	70	364	3.86	5.53
Meade/Penngtn	37	343	101	350	226	67	28	151	92%	55%	63%	46%	389	27	416	2.84	6.09
Mellette	37	510	165	550	458	85	44	136	88%	62%	72%	56%	666	71	737	2.29	6.09
Minnehaha	32	99	113	100	99	0	0	0	92%	53%			52	0	52	3.62	5.37
Moody	32	20	43	20	20	0	0	0	90%	61%			12	0	12	2.33	6.27
Pennington-East	37	144	39	300	100	30	24	59	89%	52%	72%	32%	156	9	165	2.30	6.04
Perkins	37	86	17	100	59	21	8	34	87%	45%	53%	36%	73	11	83	3.11	5.39
Sanborn	32	60	61	60	60	0	0	0	88%	55%			33	0	33	3.11	5.52
Shannon	37	35	6	70	16	13	6	23	94%	64%	73%	67%	50	0	50	2.58	6.50
Stanley	32	52	24	50	45	6	4	9	92%	50%			27	0	27	2.65	5.58
Todd	32	59	15	80	67	9	7	19	92%	55%			47	0	47	1.80	6.43
Tripp	32	355	177	400	311	38	32	120	82%	# 70%			300	0	300	1.94	5.96
Turner	32	59	29	60	60	0	0	0	88%	40%			23	1	24	3.42	5.16
Union	32	138	164	140	138	0	0	0	91%	46%			64	0	64	3.25	5.88
Yankton	32	249	261	250	249	0	0	0	90%	53%			132	0	132	3.52	5.82
<b>Totals</b>		<b>7,051</b>	<b>5,365</b>	<b>7,800</b>	<b>6,284</b>	<b>816</b>	<b>418</b>	<b>1,195</b>	<b>87.8%</b>	<b>51.1%</b>			<b>5,769</b>	<b>600</b>	<b>6,369</b>	<b>2.93</b>	<b>5.81</b>

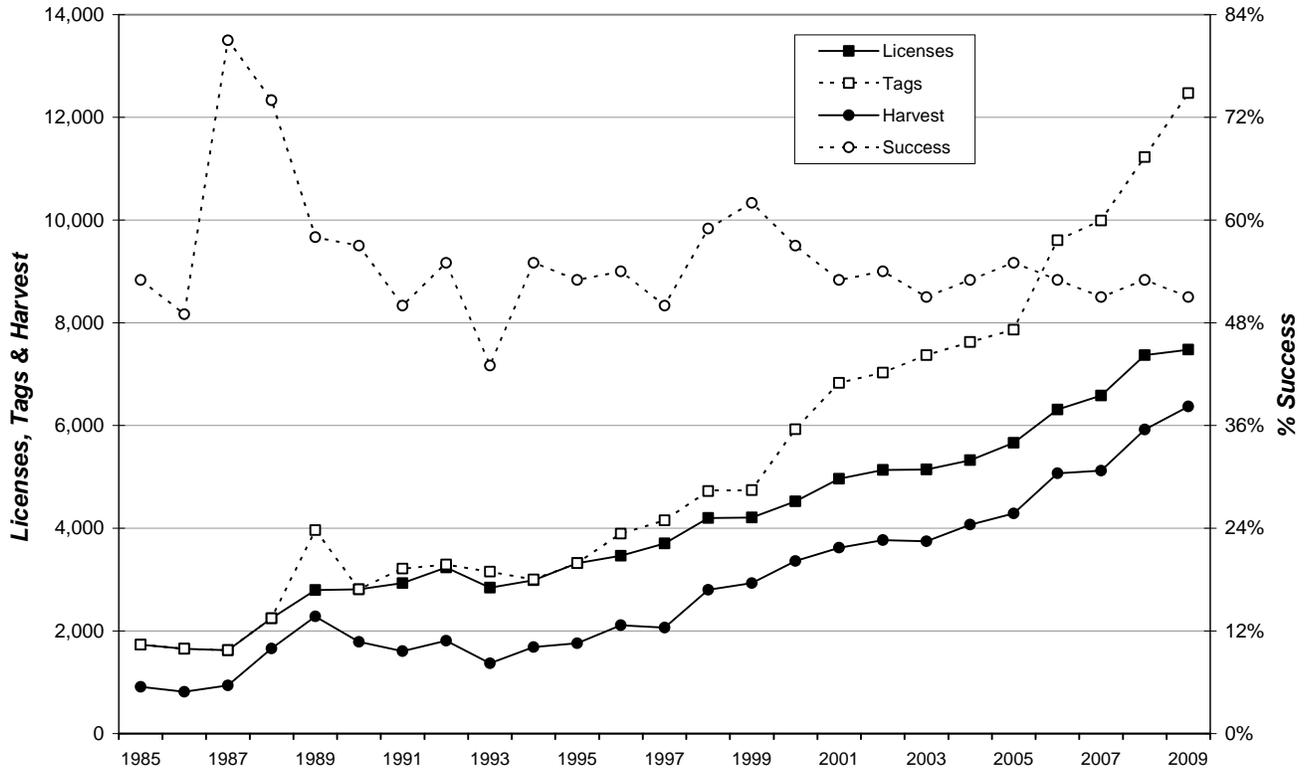
Response rate for all units combined was **87.8%**

Satisfaction scale of 1=very dissatisfied to 7=very satisfied.

# Units with less than 85% response rate and may not be within accepted tolerance for data accuracy.

\* Number of 1st drawing applicants with that season as 1st choice.

## Spring Firearm Prairie Turkey 1985-2009



# SPRING BLACK HILLS TURKEY

An unlimited number of licenses were available and 5,474 licenses were issued for the 2009 Spring Black Hills Turkey season (3,350 residents, 2,124 nonresidents), a significant decrease from 2008. All licenses consisted of single tags for male turkeys only.

The survey sample size was 797 (15% of the total number of licensees) and the response rate was 85.2%. Approximately 60% of responding hunters used the Internet response site. The reported success rate was 43% and the projected harvest was 2,346 male turkeys.

The season was open from April 11 through May 17, a total of 37 days. Hunters averaged 3.46 days of hunting for a projected total of 17,892 days of recreation for the season.

Resident hunters purchased 420 licenses for the BH2 unit, where tags were only valid between May 1 and May 17. Of those, 117 did not have a unit BH1 license; therefore, only 303 hunters purchased two licenses for the season. Reported success for unit BH2 for those hunters who purchased two licenses was 48%.

## Comparison of the 2000-2009 Spring Black Hills Turkey Seasons

Year	Licenses Issued	Tom Harvest	Avg Days Hunted	Success	Average Satisfaction
2000	3,374	1,288	3.90	38%	-
2001	3,998	1,379	3.78	35%	-
2002	4,761	1,503	3.81	32%	4.52
2003	5,053	1,456	3.49	29%	4.63
2004	5,798	2,494	3.58	43%	4.67
2005	6,397	2,666	3.53	42%	4.66
2006	6,656	2,570	3.65	39%	4.95
2007	6,378	2,430	3.45	38%	5.57
2008	6,508	2,743	3.39	42%	5.52
2009	5,474	2,346	3.46	43%	5.69

## 2009 Spring Black Hills Turkey Harvest Projections

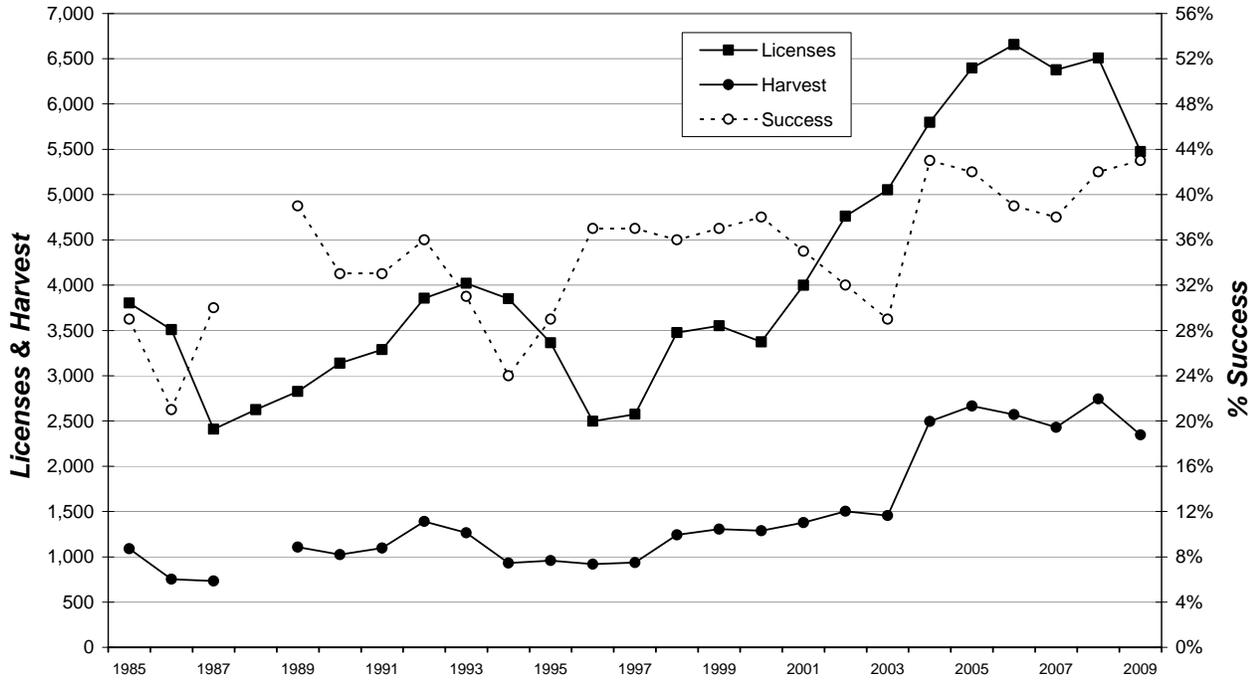
Unit/Type	Licenses				Hunters	Response Rate	Unit/ Subunit Success	Harvest Estimate Toms	Ave. Days Hunted	Avg Satsfctn	
	Resident		Nonresident								
	Avail.	Sold	Avail.	Sold							
BH1-32	Unlim	2,930	Unlim	2,124	5,171	85.2%	#	43%	2,346	3.46	5.69
BH2-32	Unlim	420	0	0							
		<b>3,350</b>		<b>2,124</b>							

Response rate for the season was **85.2%**

Satisfaction scale of 1=very dissatisfied to 7=very satisfied.

# Seasons with less than 90% response rate and may not be within accepted tolerance for data accuracy.

## Black Hills Spring Turkey 1985-2009



# SPRING ARCHERY TURKEY

There were 2,124 resident and 443 nonresident licenses sold for a total of 2,567 licensed spring archery turkey hunters in 2009, a slight decrease from 2008.

To obtain harvest estimates 27% of the license holders were sampled for an overall sample size of 693. The response rate was 83.4%. Approximately 29% of responding hunters used the Internet response site.

The projected harvest based on survey responses was 844 male turkeys, an increase of over 16% from 2008, for a success rate of 33%. The season was open from April 11 through May 17, a total of 37 days. The projected total number of days hunted was 11,347, an average of 4.42 days per hunter.

## Comparison of the 2000-2009 Spring Archery Turkey Seasons

Year	Licenses Sold		Tom Harvest	Success	Avg Days Hunted	Satisfaction
	Resident	Nonresident				
2000	668	158	168	20%	5.55	4.37
2001	702	213	219	23%	4.37	4.12
2002	825	237	283	27%	4.53	4.47
2003	954	265	347	29%	4.26	4.72
2004	1,330	322	512	31%	4.62	4.61
2005	1,778	401	591	27%	4.46	4.61
2006	2,072	460	737	29%	4.52	4.63
2007	2,079	400	679	27%	4.25	5.42
2008	2,199	459	722	27%	4.34	5.45
2009	2,124	443	844	33%	4.42	5.51

## 2009 Spring Archery Turkey Harvest Projections

Unit/Type	Licenses				Response Rate	Unit/ Subunit Success #	Harvest Estimate Toms	Ave. Days Hunted	Avg Satsfctn
	Resident		Nonresident						
	Avail.	Sold	Avail.	Sold					
ST1-32	Unlim	2,124	Unlim	443	83.4%	# 32.9%	844	4.42	5.51

Response rate for the season was **83.4%**

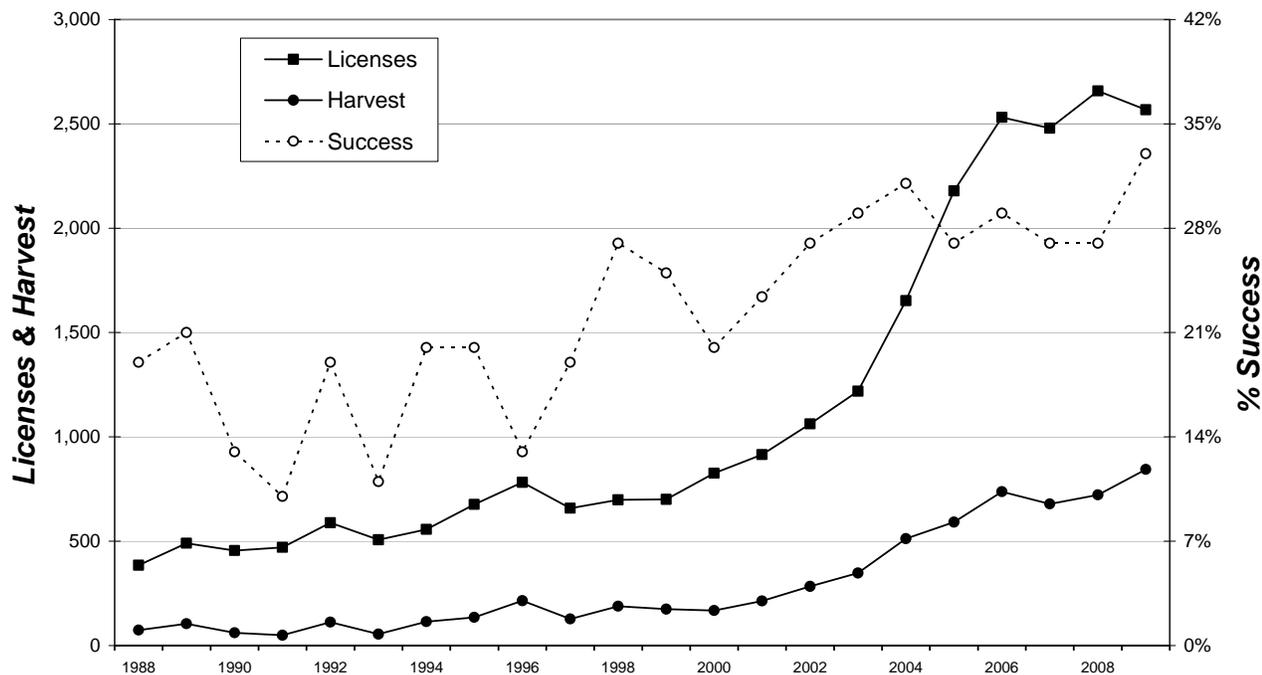
Satisfaction scale of 1=very dissatisfied to 7=very satisfied.

# Seasons with less than 90% response rate and may not be within accepted tolerance for data accuracy.

**2009 Spring Archery Turkey Season Reported Harvest Distribution**

County	Harvest Reports		County	Harvest Reports	
	Number	% of Total		Number	% of Total
Gregory	31	16.8%	Marshall	3	1.6%
Lincoln	14	7.6%	Lawrence	2	1.1%
Yankton	13	7.1%	Day	2	1.1%
Charles Mix	12	6.5%	Hutchinson	2	1.1%
Union	12	6.5%	Mellette	2	1.1%
Clay	9	4.9%	Sanborn	2	1.1%
Roberts	8	4.3%	Stanley	2	1.1%
Minnehaha	7	3.8%	Tripp	2	1.1%
Grant	7	3.8%	Aurora	1	0.5%
Lyman	6	3.3%	Dewey	1	0.5%
Meade	6	3.3%	Douglas	1	0.5%
Codington	5	2.7%	Hand	1	0.5%
Brule	5	2.7%	Hanson	1	0.5%
Corson	5	2.7%	Hughes	1	0.5%
Pennington	4	2.2%	Jackson	1	0.5%
Davison	4	2.2%	Jones	1	0.5%
Bon Homme	4	2.2%	Moody	1	0.5%
Custer	3	1.6%			
Fall River	3	1.6%			
			<b>Total</b>	<b>184</b>	

**Spring Archery Turkey  
 1988-2009**



## **MENTORED SPRING TURKEY**

There were 422 Mentored Spring Turkey licenses sold in South Dakota for the 2009 season. All were single tag licenses valid for a male turkey. All mentors/hunters were sampled and 315 responses (75%) were received. Approximately 33% of responding mentors/hunters used the Internet response site.

The spring season ran from April 11 through May 17, a total of 37 days. Respondents reported hunting an average of 2.88 days, which projected to a total of 1,216 recreation days for the season.

An estimated 171 toms were harvested. The overall projected success rate for this season was 41%. The mean satisfaction score reported by hunters/mentors was 5.81 (1 representing "very dissatisfied" and 7 representing "very satisfied").

The five counties with the highest reported harvest were Charles Mix, Bon Homme, Pennington, Gregory and Yankton.

### Summary of the 2009 Spring Mentored Youth Turkey hunt

YEAR	Licenses		HARVEST			Avg Days	Average
	Sold	Toms	Hens	Total	%Success	Hunted	Satisfaction
2009	422	171	0	171	41%	2.88	5.81

## 2009 Mentored Spring Turkey Harvest Projection

Unit/Type	Licenses		Response Rate	Unit/ Subunit	Harvest Projections			Average Days Hunted	Mean Satisfctn Score
	Resident				Toms	Hens	Total Harvest		
	Avail.	Sold							
ST1-32	Unlim	422	75% #	41%	171	0	171	2.88	5.81

# Harvest projections were developed for units where response rate was less than 85% and may not be within +/- 15% of the sample statistic.

## 2009 Mentored Spring Turkey Harvest Distribution

Last Revised:  
 06-Aug-09

County	Reported Harvest			Projected Harvest			%
	Toms	Hens	Total	Toms	Hens	Total	
Minnehaha	7	0	7	10	0	10	5.6%
Pennington	11	0	11	15	0	15	8.8%
Brown	0	0	0	0	0	0	0.0%
Beadle	0	0	0	0	0	0	0.0%
Codington	1	0	1	1	0	1	0.8%
Brookings	0	0	0	0	0	0	0.0%
Yankton	8	0	8	11	0	11	6.4%
Davison	3	0	3	4	0	4	2.4%
Lawrence	1	0	1	1	0	1	0.8%
Aurora	0	0	0	0	0	0	0.0%
Bennett	0	0	0	0	0	0	0.0%
Bon Homme	12	0	12	16	0	16	9.6%
Brule	1	0	1	1	0	1	0.8%
Buffalo	0	0	0	0	0	0	0.0%
Butte	1	0	1	1	0	1	0.8%
Campbell	0	0	0	0	0	0	0.0%
Charles Mix	13	0	13	18	0	18	10.4%
Clark	0	0	0	0	0	0	0.0%
Clay	2	0	2	3	0	3	1.6%
Corson	3	0	3	4	0	4	2.4%
Custer	3	0	3	4	0	4	2.4%
Day	3	0	3	4	0	4	2.4%
Deuel	1	0	1	1	0	1	0.8%
Dewey	1	0	1	1	0	1	0.8%
Douglas	1	0	1	1	0	1	0.8%
Edmunds	0	0	0	0	0	0	0.0%
Fall River	2	0	2	3	0	3	1.6%
Faulk	0	0	0	0	0	0	0.0%
Grant	4	0	4	5	0	5	3.2%
Gregory	8	0	8	11	0	11	6.4%
Haakon	1	0	1	1	0	1	0.8%
Hamlin	0	0	0	0	0	0	0.0%
Hand	0	0	0	0	0	0	0.0%
Hanson	1	0	1	1	0	1	0.8%
Harding	1	0	1	1	0	1	0.8%
Hughes	0	0	0	0	0	0	0.0%
Hutchinson	1	0	1	1	0	1	0.8%
Hyde	0	0	0	0	0	0	0.0%
Jackson	0	0	0	0	0	0	0.0%
Jerauld	0	0	0	0	0	0	0.0%
Jones	0	0	0	0	0	0	0.0%
Kingsbury	0	0	0	0	0	0	0.0%
Lake	0	0	0	0	0	0	0.0%
Lincoln	3	0	3	4	0	4	2.4%
Lyman	3	0	3	4	0	4	2.4%
McCook	0	0	0	0	0	0	0.0%
McPherson	0	0	0	0	0	0	0.0%
Marshall	1	0	1	1	0	1	0.8%
Meade	3	0	3	4	0	4	2.4%
Mellette	1	0	1	1	0	1	0.8%
Miner	0	0	0	0	0	0	0.0%
Moody	2	0	2	3	0	3	1.6%
Perkins	0	0	0	0	0	0	0.0%
Potter	0	0	0	0	0	0	0.0%
Roberts	4	0	4	5	0	5	3.2%
Sanborn	0	0	0	0	0	0	0.0%
Spink	0	0	0	0	0	0	0.0%
Stanley	1	0	1	1	0	1	0.8%
Sully	0	0	0	0	0	0	0.0%
Tripp	4	0	4	5	0	5	3.2%
Turner	2	0	2	3	0	3	1.6%
Union	7	0	7	10	0	10	5.6%
Walworth	0	0	0	0	0	0	0.0%
Ziebach	2	0	2	3	0	3	1.6%
Shannon	1	0	1	1	0	1	0.8%
Todd	1	0	1	1	0	1	0.8%
Unknown	3	0	3				
<b>TOTALS</b>	<b>128</b>	<b>0</b>	<b>128</b>	<b>171</b>	<b>0</b>	<b>171</b>	

Any by county projected harvest values will differ from by unit projected harvest values due to incorrect sampling proportions within counties.

Use these figures for approximations only!

# FALL PRAIRIE TURKEY

There were 5,876 licenses (5,470 resident, 406 nonresident) sold for the 2009 Fall Prairie Turkey season in South Dakota, for a total of 10,191 tags. All tags were valid for either a tom or a hen.

A random sample of 2,950 hunters was taken (50% of hunters), and 2,510 responded for an 85% response rate. Approximately 55% of responding hunters used the Internet response site.

The fall season ran from October 1 through January 31, a total of 123 days. Respondents reported hunting an average of 2.92 days, which projected to a total of 14,454 recreation days for the season.

Harvest projections indicated 2,335 toms were taken along with 2,002 hens for a total of 4,337 turkeys. The estimated success rate for the season was 43%. The mean satisfaction score reported by hunters was 5.22 (1 representing "very dissatisfied" and 7 representing "very satisfied").

The five West River Unit counties with the highest reported harvests were Mellette, Gregory, Tripp, Corson and Meade. Roberts and Grant counties had the highest reported harvests in the Northeast Unit.

Summary comparison of the 2000-2009 Fall Prairie Turkey seasons

Year	Licenses	Tags	HARVEST				Avg Days	Average
	Sold	Sold	Toms	Hens	Total	%Success	Hunted	Satisfactn
2000	3,674	6,184	1,953	1,113	3,066	50%	2.33	5.48
2001	3,524	5,761	1,604	1,512	3,116	54%	2.69	5.59
2002	3,649	5,520	1,545	1,116	2,661	48%	2.77	5.61
2003	3,572	5,458	1,555	1,339	2,894	53%	2.66	5.81
2004	3,734	5,394	1,568	1,150	2,718	50%	3.05	5.68
2005	4,105	6,196	1,788	1,384	3,172	51%	2.60	5.62
2006	5,055	6,949	1,645	1,442	3,087	44%	3.15	5.02
2007	5,614	8,764	2,315	1,879	4,194	48%	3.07	5.22
2008	5,996	9,593	2,606	1,949	4,556	47%	2.86	5.43
2009	5,876	10,191	2,335	2,002	4,337	43%	2.92	5.22

## 2009 Fall Prairie Turkey Harvest Projections

Unit	Hunters	Licenses						Tags Sold	Response Rate	Unit/ Subunit Success	Harvest Projections			Avg Days Hunted	Mean Satisfctn Score	
		Resident			Nonresident						Toms	Hens	Total Harvest			
		Appl. 1st Choice *	Avail.	Sold	Appl. 1st Choice *	Avail.	Sold									
Bon Homme	152	83	200	199	N/A	0	2	201	82%	#	50%	68	32	101	3.5	5.1
Brookings	78	19	100	100	N/A	0	0	100	88%		24%	11	13	24	4.7	4.0
Brule	68	33	75	75	N/A	0	0	75	85%		28%	14	7	21	2.4	5.0
Charles Mix/Douglas	347	135	500	416	N/A	0	8	424	80%	#	34%	79	63	142	2.6	5.2
Clay	51	48	50	51	N/A	0	0	51	82%	#	26%	10	4	13	2.6	5.1
Davison/Hanson	40	46	40	40	N/A	0	0	40	85%		32%	8	5	13	2.4	5.5
Hughes	21	8	60	26	N/A	0	0	26	95%		44%	6	5	12	1.1	5.6
Hutchinson	39	26	40	40	N/A	0	0	40	79%	#	22%	6	3	9	1.9	4.7
Lincoln	98	60	100	100	N/A	0	0	100	90%		16%	10	5	16	2.8	4.7
Minnehaha	71	53	70	71	N/A	0	0	71	96%		24%	13	4	17	4.4	5.0
Stanley	22	13	20	21	0	2	1	22	100%		32%	4	3	7	1.7	4.9
Turner	54	18	60	60	N/A	0	0	60	81%	#	29%	10	7	17	2.8	4.1
Union	61	60	60	61	N/A	0	0	61	89%		37%	17	6	23	4.5	4.8
Yankton	132	112	130	132	N/A	0	0	132	89%		54%	52	19	71	3.4	5.2
Northeast Unit	1,034	300	2,500	1,228	N/A	0	29	2,356	84%	#	36%	529	313	842	3.7	5.0
West River Unit	2,682	1,010	Unitd	2,850	146	Unitd	366	6,432	85%	#	47%	1,497	1,514	3,010	2.5	5.4
<b>Totals</b>	<b>4,950</b>	<b>2,024</b>	<b>4,005</b>	<b>5,470</b>	<b>146</b>	<b>2</b>	<b>406</b>	<b>10,191</b>	<b>85.1%</b>		<b>42.6%</b>	<b>2,335</b>	<b>2,002</b>	<b>4,337</b>	<b>2.92</b>	<b>5.22</b>

The response rate for all units combined was:

**85%**

\* Number of 1st drawing applicants with that season as 1st choice.

# Harvest projections were developed for units where response rate was less than 85% and may not be within +/- 15% of the sample statistic.

## 2009 Fall WR Unit Turkey Harvest Distribution

Last Revised:

05-May-10

County	Reported Harvest			Projected Harvest			%
	Toms	Hens	Total	Toms	Hens	Total	
Pennington	26	21	47	58	48	106	3.5%
Lawrence	11	7	18	24	16	40	1.3%
Bennett	36	35	71	80	80	160	5.3%
Butte	24	17	41	53	39	92	3.1%
Corson	36	55	91	80	125	205	6.8%
Custer	14	21	35	31	48	79	2.6%
Dewey	26	45	71	58	102	160	5.3%
Fall River	34	26	60	76	59	135	4.5%
Gregory	86	109	195	191	248	439	14.6%
Haakon	16	30	46	36	68	104	3.4%
Harding	31	21	52	69	48	117	3.9%
Jackson	30	33	63	67	75	142	4.7%
Jones	8	4	12	18	9	27	0.9%
Lyman	49	27	76	109	61	170	5.7%
Meade	47	36	83	105	82	186	6.2%
Mellette	117	99	216	260	225	485	16.1%
Perkins	9	9	18	20	20	40	1.3%
Tripp	49	49	98	109	111	220	7.3%
Ziebach	17	10	27	38	23	61	2.0%
Shannon	0	0	0	0	0	0	0.0%
Todd	7	12	19	16	27	43	1.4%
Unknown	34	49	83				
<b>TOTALS</b>	<b>707</b>	<b>715</b>	<b>1,422</b>	<b>1,497</b>	<b>1,514</b>	<b>3,010</b>	

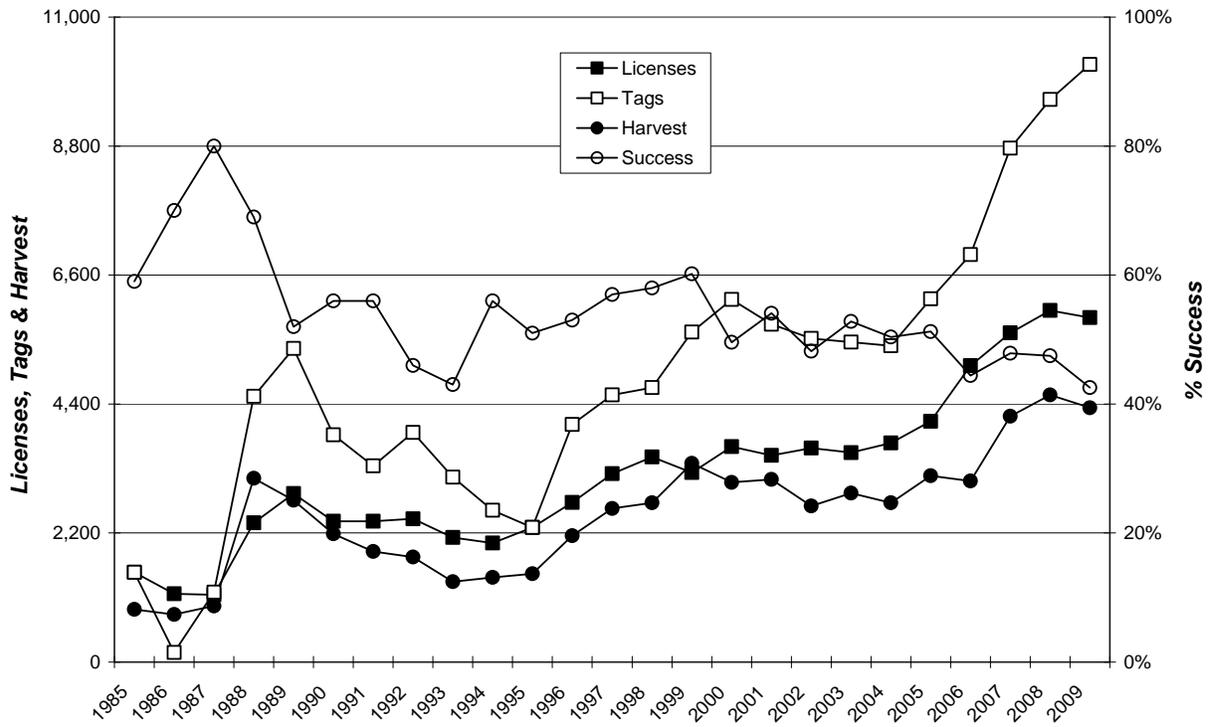
*Any by county projected harvest values will differ from by unit projected harvest values due to incorrect sampling proportions within counties.*

*Use these figures for approximations only!*

### 2009 Harvest Distribution for the Northeast Prairie Unit (NE1)

County	Reported Harvest		Projected Harvest		% of Total Toms	% of Total Hens
	Toms	Hens	Toms	Hens		
Codington	23	10	59	25	11.1%	8.1%
Day	12	5	31	13	5.8%	4.0%
Grant	57	38	146	96	27.5%	30.6%
Marshall	39	23	100	58	18.8%	18.5%
Roberts	76	48	194	121	36.7%	38.7%
Total	207	124	529	313	100.0%	100.0%

## Fall Prairie Turkey 1985-2009



## **FALL BLACK HILLS TURKEY**

There were 3,646 Fall Black Hills Turkey licenses (3,506 resident, 140 nonresident) sold in South Dakota for the 2009 season. All were single tag licenses valid for either a tom or a hen.

Of the 499 license-holders that were sampled, 428 responded for an 86% response rate. Approximately 58% of responding hunters used the Internet response site.

The fall season ran from October 1 through January 31, a total of 123 days (92 days in 2006, 31 days in 2005, 16 days in 2004, 9 days in 2003). Respondents reported hunting an average of 3.77 days, which projected to a total of 10,722 recreation days for the season.

An estimated 658 toms were harvested along with 711 hens, a total of 1,369 turkeys. The overall estimated success rate for the season was 38%. The mean satisfaction score reported by hunters was 4.78 (1 representing "very dissatisfied" and 7 representing "very satisfied").

### Summary comparison of the 2000-2009 Fall Black Hills Turkey seasons

YEAR	LICENSES SOLD		HARVEST				Avg Days	Average
	Resident	Nonresid	Toms	Hens	Total	%Success	Hunted	Satisfaction
2000	595	33	123	210	333	54%	2.21	NA
2001	No Season							
2002	300	25	104	78	182	56%	2.22	5.91
2003	400	32	114	165	279	65%	1.84	5.95
2004	708	42	206	270	476	63%	2.12	5.97
2005	1,312	83	321	399	720	52%	2.51	6.04
2006	3,081	159	681	962	1,643	51%	3.50	5.34
2007	3,641	138	1,130	1,039	2,169	57%	3.24	5.49
2008	4,155	164	806	1,179	1,986	46%	3.39	5.40
2009	3,506	140	658	711	1,369	38%	3.77	4.78

### 2009 Fall Black Hills Turkey Harvest Projections

Last Revised:  
05-May-10

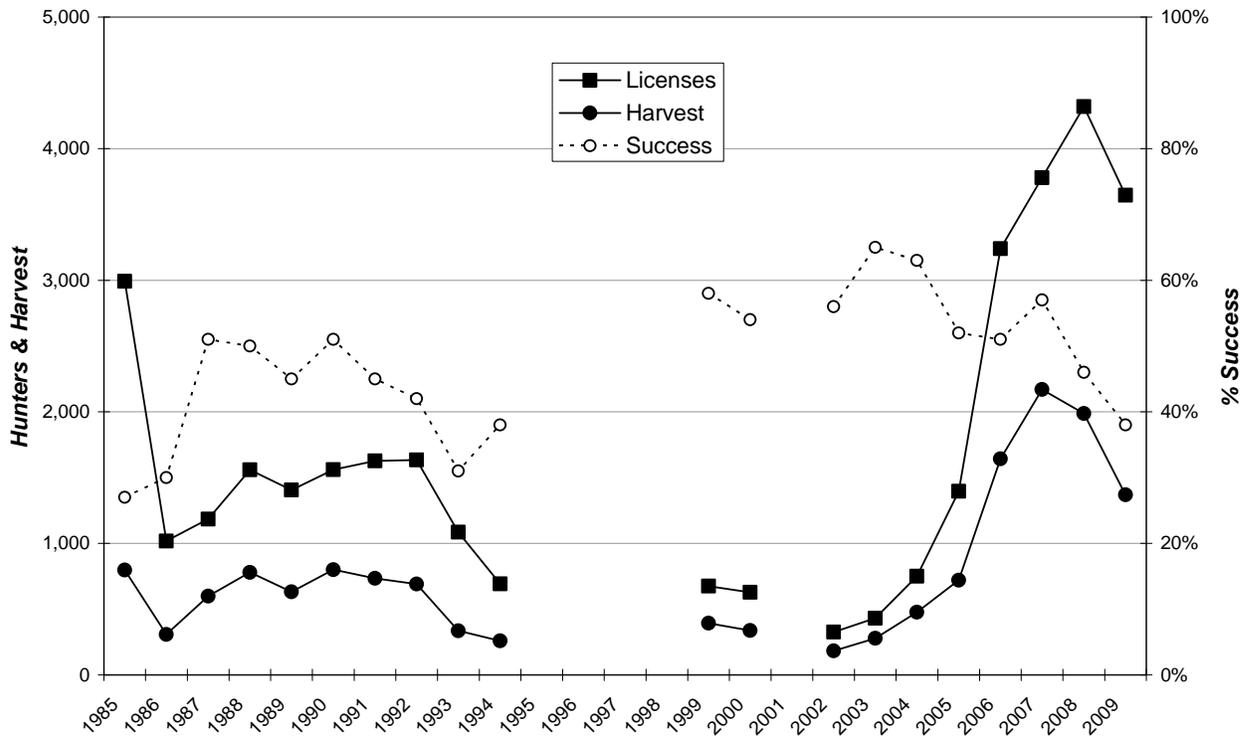
Unit/Type	Hunters	Licenses						Response Rate	Unit/ Subunit Success	Harvest Projections			Average Days Hunted	Mean Satisfctn Score
		Resident			Nonresident					Toms	Hens	Total Harvest		
		Appl. 1st Choice *	Avail.	Sold	Appl. 1st Choice *	Avail.	Sold							
BH1-31	2,844	1,416	5,000	3,506	45	400	140	86%	38%	658	711	1,369	3.77	4.78

The response rate for all units combined was: **85.8%**

\* Number of 1st drawing applicants with that season as 1st choice.

# Harvest projections were developed for units where response rate was less than 85% and may not be within +/- 15% of the sample statistic.

### Black Hills Fall Turkey 1985-2009



## **FALL MENTORED YOUTH TURKEY**

There were 353 Fall Mentored Youth Turkey licenses sold in South Dakota for the 2009 season. All were single tag licenses valid for either a tom or a hen. All mentors/hunters were sampled and 266 responses (76%) were received. Approximately 26% of responding mentors/hunters used the Internet response site.

The fall season ran from October 1 through January 31, a total of 123 days. Respondents reported hunting an average of 2.63 days, which projected to a total of 928 recreation days for the season.

An estimated 65 toms were harvested along with 45 hens, a total of 110 turkeys. The overall projected success rate for this season was 31%. The mean satisfaction score reported by hunters was 5.55 (1 representing "very dissatisfied" and 7 representing "very satisfied").

The six counties with the highest reported harvest were Pennington, Bon Homme, Yankton, Custer, Lawrence and Bennett.

Summary comparison of the 2008-2009 Fall Mentored Youth Turkey seasons

YEAR	Licenses		HARVEST			Avg Days	Average
	Sold	Toms	Hens	Total	%Success	Hunted	Satisfaction
2008	236	59	43	101	43%	2.75	5.91
2009	353	65	45	110	31%	2.63	5.55

## **2009 Fall Youth Turkey Harvest Projections**

Unit/Type	Licenses		Response Rate	Unit/ Subunit	Harvest Projections			Average Days Hunted	Mean Satisfctn Score
	Resident				Total	Toms	Hens		
	Avail.	Sold							
ST1-31	Unlim	353	76% #	31%	65	45	110	2.63	5.55

# Harvest projections were developed for units where response rate was less than 85% and may not be within +/- 15% of the sample statistic.

South Dakota Game Report No 2010-01 - 2009 Big Game Harvest Projections  
Corey Huxoll

## 2009 Mentored Turkey Harvest Distribution

Last Revised:  
05-May-10

County	Reported Harvest			Projected Harvest			%
	Toms	Hens	Total	Toms	Hens	Total	
Minnehaha	0	0	0	0	0	0	0.0%
Pennington	3	2	5	4	3	7	6.1%
Brown	0	0	0	0	0	0	0.0%
Beadle	0	0	0	0	0	0	0.0%
Codington	0	1	1	0	1	1	1.2%
Brookings	0	0	0	0	0	0	0.0%
Yankton	3	2	5	4	3	7	6.1%
Davison	2	0	2	3	0	3	2.5%
Lawrence	4	4	8	5	5	11	9.7%
Aurora	0	0	0	0	0	0	0.0%
Bennett	2	3	5	3	4	7	6.1%
Bon Homme	3	5	8	4	7	11	9.7%
Brule	0	0	0	0	0	0	0.0%
Buffalo	0	0	0	0	0	0	0.0%
Butte	2	1	3	3	1	4	3.7%
Campbell	0	0	0	0	0	0	0.0%
Charles Mix	2	2	4	3	3	5	4.9%
Clark	0	0	0	0	0	0	0.0%
Clay	1	0	1	1	0	1	1.2%
Corson	0	0	0	0	0	0	0.0%
Custer	3	2	5	4	3	7	6.1%
Day	0	1	1	0	1	1	1.2%
Deuel	0	0	0	0	0	0	0.0%
Dewey	1	1	2	1	1	3	2.4%
Douglas	1	1	2	1	1	3	2.4%
Edmunds	0	0	0	0	0	0	0.0%
Fall River	0	0	0	0	0	0	0.0%
Faulk	0	0	0	0	0	0	0.0%
Grant	0	0	0	0	0	0	0.0%
Gregory	2	1	3	3	1	4	3.7%
Haakon	0	0	0	0	0	0	0.0%
Hamlin	0	0	0	0	0	0	0.0%
Hand	0	0	0	0	0	0	0.0%
Hanson	0	0	0	0	0	0	0.0%
Harding	3	0	3	4	0	4	3.7%
Hughes	0	0	0	0	0	0	0.0%
Hutchinson	0	0	0	0	0	0	0.0%
Hyde	0	0	0	0	0	0	0.0%
Jackson	0	1	1	0	1	1	1.2%
Jerauld	0	0	0	0	0	0	0.0%
Jones	0	0	0	0	0	0	0.0%
Kingsbury	0	0	0	0	0	0	0.0%
Lake	0	0	0	0	0	0	0.0%
Lincoln	2	0	2	3	0	3	2.5%
Lyman	2	0	2	3	0	3	2.5%
McCook	0	0	0	0	0	0	0.0%
McPherson	0	0	0	0	0	0	0.0%
Marshall	2	0	2	3	0	3	2.5%
Meade	1	4	5	1	5	7	6.0%
Mellette	1	1	2	1	1	3	2.4%
Miner	0	0	0	0	0	0	0.0%
Moody	1	0	1	1	0	1	1.2%
Perkins	2	0	2	3	0	3	2.5%
Potter	0	0	0	0	0	0	0.0%
Roberts	2	0	2	3	0	3	2.5%
Sanborn	0	0	0	0	0	0	0.0%
Spink	0	0	0	0	0	0	0.0%
Stanley	0	0	0	0	0	0	0.0%
Sully	0	0	0	0	0	0	0.0%
Tripp	1	0	1	1	0	1	1.2%
Turner	0	0	0	0	0	0	0.0%
Union	2	0	2	3	0	3	2.5%
Walworth	0	1	1	0	1	1	1.2%
Ziebach	0	0	0	0	0	0	0.0%
Shannon	0	0	0	0	0	0	0.0%
Todd	0	1	1	0	1	1	1.2%
Unknown	1	0	1				
<b>TOTALS</b>	<b>49</b>	<b>34</b>	<b>83</b>	<b>65</b>	<b>45</b>	<b>110</b>	

Any by county projected harvest values will differ from by unit projected harvest values due to incorrect sampling proportions within counties.

Use these figures for approximations only!

# ARCHERY ANTELOPE

There were 2,399 archery antelope licenses issued in 2009 (1,713 resident and 686 nonresident) making up 4,317 tags. Three-tag licenses were available for this season for the first time. Approximately 42% of all license holders were sampled and the survey response rate was 78%, with 56% responding over the Internet.

The overall success rate for the archery season was projected to be 16%, with 500 bucks, 163 does, 16 buck-kids, and 26 doe-kids harvested. The archery season ran from August 15 through October 31, except when and where a state firearm antelope season was open. Of the 20 counties where antelope were reported harvested, Harding and Butte Counties accounted for over 57% of all harvest.

Average hunter satisfaction was 4.75 and was based on a numerical scale from 1 (very dissatisfied) to 7 (very satisfied), 4 being neutral.

## 2009 Archery Antelope Harvest Projections

Last Revised: 2/9/2010										Harvest Projections					Avg	Avg	
Unit/Type	Resident		Nonres		Tags sold	Response Rate	Unit/Subunit Success	Tag Success			Buck	Doe	Total	Satisfactn Rating	Days Hunted		
	Avail.	Sold	Avail.	Sold				1st Tag	2nd Tag	3rd Tag	Bucks	Does	Kids			Kids	Harvest
ST1-41	Unlmt	986	Unlmt	454	1,440	79%	21%	21%		274	23	6	6	309	4.73	4.20	
ST1-44	Unlmt	727	Unlmt	232	2,877	77%	14%	24%	14%	2%	226	140	10	20	396	4.77	4.93
<b>Totals</b>		<b>1,713</b>		<b>686</b>	<b>4,317</b>	<b>78.4%</b>	<b>16%</b>				<b>500</b>	<b>163</b>	<b>16</b>	<b>26</b>	<b>705</b>	<b>4.75</b>	<b>4.47</b>

# Units less than 85% response rate & harvest projections may not be within +/- 15% of sample statistic.  
 Satisfaction is based on a scale of 1-7, where "1" is very dissatisfied, "4" is neutral and "7" is very satisfied.

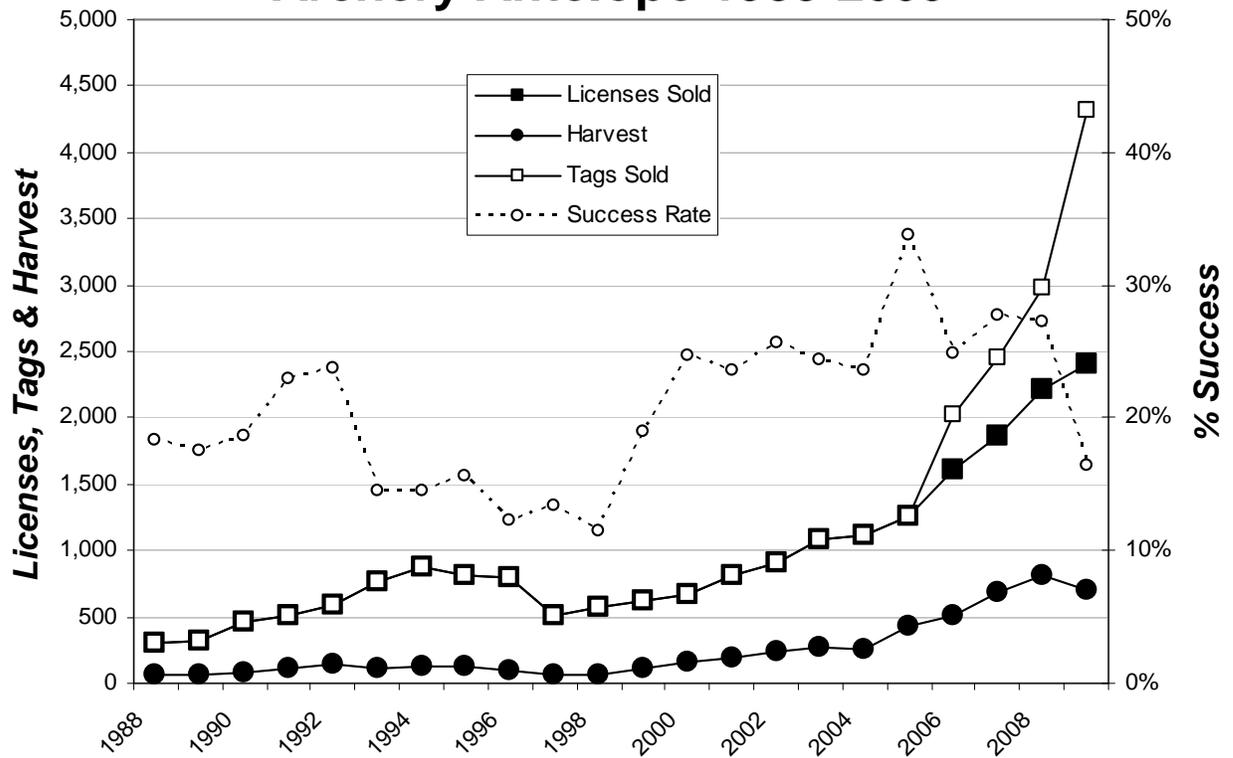
### Harvest summaries for 2000-2009 Archery Antelope

YEAR	Licenses Sold		Harvest		Success	Avg. Days Hunted	Average Satisfaction
	Resident	Nonresiden t	Bucks	Does			
2000	539	130	138	27	25%	4.68	5.46
2001	631	186	176	17	24%	4.74	5.36
2002	711	199	210	24	25%	5.12	5.30
2003	866	212	240	23	24%	4.83	5.33
2004	837	278	241	21	23%	4.76	5.35
2005	993	262	391	32	34%	4.31	5.72
2006	1,200	412	412	79	25%	4.52	5.46
2007	1,332	533	572	108	28%	4.25	5.40
2008	1,599	614	657	157	27%	4.42	5.48
2009	1,713	686	516	189	16%	4.47	4.75

### Distribution of 2009 Archery Antelope by county of harvest

County	No. Reports	% of Total	County	No. Reports	% of Total	County	No. Reports	% of Total
Harding	77	36.5%	Sully	3	1.4%	Jones	1	0.5%
Butte	45	21.3%	Corson	2	0.9%	Lyman	1	0.5%
Meade	25	11.8%	Lawrence	1	0.5%	Stanley	1	0.5%
Perkins	17	8.1%	Campbell	1	0.5%	Tripp	1	0.5%
Fall River	13	6.2%	Custer	1	0.5%	Walworth	1	0.5%
Pennington	12	5.7%	Dewey	1	0.5%	Ziebach	1	0.5%
Jackson	6	2.8%	Haakon	1	0.5%	<b>Total</b>	<b>211</b>	

## Archery Antelope 1988-2009



## **FIREARM ANTELOPE**

A total of 15,220 licenses were available (14,085 resident, 1,135 nonresident) for the 2009 Firearm Antelope hunting season. A total of 12,451 licenses were sold (11,109 resident, 1,342 nonresident) representing 32,334 total tags.

The primary Firearm Antelope season was open 16 days from October 3-18. Any unsold or unfilled tags in the units in Butte, Meade, Harding and Perkins Counties converted to "doe/kid" tags and were valid in any of those four units during the West River Deer season, which was open November 7-29, 2009 and December 26 through January 3, 2010 in those units.

A random sample of 4,759 hunters was taken from total license sales and 3,912 surveys were returned for an 82% response rate. Approximately 51% responded over the Internet.

Respondents reported hunting an average of 2.36 days each, which projected to 28,705 total recreation days for the season. Of those responding, 8.3% reported they did not hunt at all.

The harvest projection for the season was 5,640 adult bucks, 6,488 adult does, 855 kid bucks, and 1,117 kid does for a total of 14,100 antelope. The projected overall success for the season was 44%. From hunter reports, an estimated 677 doe/kid antelope were harvested during the November, December and January West River Deer seasons.

### Harvest summaries for the 1999-2009 Firearm Antelope seasons

<b>YEAR</b>	<b>Licenses Sold</b>		<b>Harvest</b>			<b>Success</b>	<b>Avg. Days Hunted</b>	<b>Average Satisfaction</b>
	<b>Resident</b>	<b>Nonres</b>	<b>Bucks</b>	<b>Does</b>	<b>Total</b>			
1999	3,651	0	1,882	745	2,627	72%	1.90	4.98
2000	4,165	0	2,194	1,148	3,342	71%	1.71	5.31
2001	4,651	314	3,006	1,650	4,656	70%	1.82	5.30
2002	4,495	318	2,957	1,487	4,444	68%	1.92	5.39
2003	5,340	419	3,671	2,277	5,948	70%	2.04	5.39
2004	5,783	448	3,900	3,132	7,032	71%	2.07	5.36
2005	7,150	659	4,633	4,188	8,821	64%	1.82	5.62
2006	8,540	812	6,213	5,586	11,799	67%	2.08	5.08
2007	10,174	1,070	7,123	6,546	13,669	62%	2.23	5.28
2008	11,443	1,390	7,542	9,514	17,056	50%	2.43	5.11
2009	11,109	1,342	6,495	7,605	14,100	44%	2.36	4.50

## 2009 Firearm Antelope Harvest Projections

Last Revised: 19 April 2010

Unit Description	Unit	Type	Residents			Nonresidents			Harvest Projections							
			Appl. 1st			Appl. 1st			Success			Adults		Kids		Total Harvest
			Choice *	Available	Sold	Choice *	Available	Sold	1st tag	2nd tag	3rd tag	Bucks	Does	Bucks	Does	
Pennington NE	02A	48	38	80	80	3	7	5	48%	32%		40	26	4	1	72
Pennington SE	02C	48	206	100	100	22	8	8	73%	55%		79	52	4	5	140
	02C	49	2	100	63	3	8	7	69%	56%		0	76	7	4	88
Bennett/Shannon	11A	48	111	100	101	7	8	7	73%	37%		79	37	3	2	120
Corson	20A	48	339	250	251	25	20	20	57%	37%		147	78	16	12	253
	20A	49	4	250	86	5	20	19	53%	19%		3	58	6	12	78
Custer E /Penn C	21A	48	234	125	128	18	10	11	82%	54%		115	68	7	6	196
	21A	49	14	50	52	1	4	2	59%	30%		0	47	2	0	49
Dewey	24A	48	95	150	155	3	12	6	67%	48%		103	62	13	9	196
	24A	49	0	100	8	2	8	4	67%	0%		0	8	0	0	0
F River/Custer SW1	27A	48	967	500	504	106	40	40	71%	49%		382	225	37	34	679
	27A	49	51	500	332	38	40	60	71%	33%		0	285	64	64	419
F River/Custer SW2	27E	48	174	300	303	21	24	24	44%	47%		142	149	10	9	306
	27E	49	11	300	75	14	24	31	19%	13%		7	36	0	0	41
Haakon	31A	48	124	150	150	15	12	12	64%	39%		94	50	13	9	166
Hughes/Hyde	36A	41	51	70	75	1	6	1	62%			31	11	1	4	47
Jackson	39A	48	239	200	200	18	16	16	61%	43%		116	80	18	7	221
	39A	49	4	100	51	4	8	6	57%	39%		0	42	2	9	54
Jones	41A	48	119	150	148	10	12	14	72%	51%		110	70	5	19	204
	41A	49	4	30	22	1	3	1	60%	30%		0	17	4	0	21
Lyman	45A	48	109	150	151	11	12	12	43%	42%		59	52	6	17	132
	45A	49	9	75	41	2	6	4	73%	47%		0	44	6	0	51
Ft Pr Nat Grslnd	45B	48	178	20	23	6	2	2	67%	28%		18	7	0	0	24
	45B	49	18	70	70	6	6	6	45%	25%		0	40	8	5	53
Mellette	50A	48	88	125	119	13	10	16	59%	41%		76	56	0	5	138
	50A	49	3	30	13	3	3	3	56%	44%		0	13	0	5	16
Stanley	58A	43	2	40	28	1	4	5	77%			0	22	2	0	25
	58A	48	111	100	103	5	8	5	59%	38%		61	32	6	7	105
Sully	59A	48	57	40	43	1	4	1	52%	44%		18	17	4	7	50
	59A	49	2	40	39	0	4	2	45%	18%		0	32	0	2	31
Tripp	60A	48	54	40	43	1	4	1	62%	32%		26	10	1	2	39
	60A	49	4	20	13	0	2	1	33%	22%		2	3	0	4	9
Walworth/Potter	63A	48	79	40	43	4	4	4	60%	54%		28	26	1	0	55
	63A	49	10	40	42	1	4	1	67%	53%		0	43	1	5	50
Ziebach 1	64A	48	246	200	201	21	16	16	66%	42%		139	83	14	8	244
	64A	49	4	50	29	4	4	12	56%	11%		0	11	0	17	28
Ziebach 2	64E	48	47	200	156	8	16	18	53%	39%		85	62	14	7	167
	64E	49	0	50	3	2	4	4				0	0	0	0	0
Butte NW1	15A	44	529	350	353	77	28	28	62%	45%	25%	235	190	29	72	527
	15A	45	5	100	62	17	8	44	62%	41%	18%	5	93	10	19	128
Butte NW2	15E	44	90	250	236	28	20	34	52%	32%	22%	142	109	28	38	317
	15E	45	0	50	34	1	4	18	44%	22%	11%	0	35	5	0	41
Butte/Lawrence1	15B	44	828	500	506	87	40	40	75%	54%	27%	418	397	28	47	870
	15B	45	29	250	203	36	20	54	78%	64%	22%	8	326	35	38	415
Butte/Lawrence2	15F	44	173	450	434	46	36	51	54%	43%	28%	250	265	50	75	640
	15F	45	5	200	87	3	16	50	75%	58%	25%	0	136	38	30	214
Harding W1	35A	44	891	400	399	162	32	31	73%	44%	26%	304	249	5	48	608
	35A	45	25	350	181	68	28	28	60%	40%	17%	4	176	23	40	242
Harding W2	35E	44	241	550	431	73	44	44	50%	23%	11%	230	135	18	31	414
	35E	45	2	100	6	4	8	8	67%	67%	33%	0	19	5	0	23
Harding E1	35B	44	850	500	500	165	40	39	54%	25%	17%	289	201	16	48	553
	35B	45	8	250	114	26	20	20	48%	16%	3%	0	56	13	23	91
Harding E2	35F	44	224	500	376	52	40	40	40%	27%	19%	162	188	23	25	399
	35F	45	2	200	7	16	16	16	83%	50%	0%	0	19	4	8	31
Meade N1	49A	44	672	350	350	88	28	28	76%	52%	23%	271	267	15	37	593
	49A	45	26	200	157	19	16	46	67%	40%	16%	4	180	47	20	248
Meade N2	49E	44	203	450	436	31	36	46	56%	43%	25%	257	256	30	78	620
	49E	45	7	100	42	4	8	15	33%	17%	17%	0	38	0	0	38
Meade S1	49B	44	233	325	316	33	26	34	65%	50%	29%	220	231	24	27	502
	49B	45	6	100	27	3	8	9	17%	17%	0%	0	17	0	0	18
Meade S2	49F	44	28	175	101	2	14	17	42%	28%	19%	49	53	16	0	118
	49F	45	1	100	3	0	8	6	67%	33%	33%	0	3	6	3	12
Perkins N1	53A	44	472	300	300	69	24	24	35%	25%	16%	104	113	13	41	271
	53A	45	5	200	54	40	16	16	44%	8%	4%	3	28	6	3	39
Perkins N2	53E	44	124	400	218	35	32	33	38%	25%	16%	81	106	32	9	227
	53E	45	3	100	9	9	8	8	0%	0%	0%	0	0	0	0	0

(continued next page)

**South Dakota Game Report No 2010-01 - 2009 Big Game Harvest Projections**  
 Corey Huxoll

Last Revised: 19 April 2010

Unit Description	Unit	Type	Residents			Nonresidents			Harvest Projections							
			Appl. 1st		Sold	Appl. 1st		Sold	Success			Adults		Kids		Total Harvest
			Choice *	Available		Choice *	Available		1st tag	2nd tag	3rd tag	Bucks	Does	Bucks	Does	
Perkins S1	53B	44	640	500	500	85	40	40	64%	39%	23%	339	305	40	44	729
	53B	45	11	200	60	45	16	16	55%	50%	15%	0	80	4	8	92
Perkins S2	53F	44	157	550	246	30	44	44	54%	30%	9%	153	122	4	4	283
	53F	45	4	100	8	2	8	8	40%	0%	0%	0	6	0	0	6
Landowner Own Land	ST1	41		Unltd	150		0	0	48%			62	5	3	1	71
	ST1	48		Unltd	159		0	0	57%	39%		89	53	5	5	153
<b>Totals</b>			<b>10,302</b>	<b>14,085</b>	<b>11,109</b>	<b>1,762</b>	<b>1,135</b>	<b>1,342</b>	<b>1st tag</b>	<b>2nd tag</b>	<b>3rd tag</b>	<b>5,640</b>	<b>6,488</b>	<b>855</b>	<b>1,117</b>	<b>14,100</b>
									Type 44:	57%	37%	21%				
									Type 45:	59%	37%	14%				
									Type 48:	62%	43%					
									Type 49:	57%	32%					

\* Number of 1st drawing applicants with that season as 1st choice.

**2009 Firearm Antelope Harvest Projections**

Last Revised: 20 Apr 2010

Unit	Hunters	Residents			Nonresidents		Tags Sold	Response Rate	Unit/Subunit	Harvest Projections			Avg Satisf Score	Avg Days Hunted		
		Available	Sold	Available	Sold	Success				Bucks	Does	Total Harvest				
Bennett/Shannon	108	100	101	8	7	216	79%	#	56%	79	37	3	2	120	5.52	2.54
Corson	371	500	337	40	39	752	86%		44%	149	136	21	24	331	4.46	2.13
Custer E /Penn C	193	175	180	14	13	386	85%	#	63%	115	115	9	6	245	5.81	2.31
Dewey	166	250	163	20	10	346	78%	#	57%	103	70	13	9	196	5.08	2.09
Fall River /Custer SW	1,285	1,600	1,214	128	155	2,738	89%		53%	531	696	111	106	1,444	4.78	2.41
Ft Pr Nat Grslnd	101	90	93	8	8	202	93%		38%	18	47	8	5	77	4.60	2.71
Haakon	162	150	150	12	12	324	79%	#	51%	94	50	13	9	166	4.85	2.26
Hughes/Hyde	74	70	75	6	1	76	80%	#	62%	31	11	1	4	47	5.10	2.27
Jackson	270	300	251	24	22	546	83%	#	50%	116	123	20	16	275	4.59	2.58
Jones	180	180	170	15	15	370	81%	#	61%	110	87	9	19	225	5.59	2.35
Lyman	199	225	192	18	16	416	83%	#	44%	59	96	11	17	184	4.56	2.29
Mellette	143	155	132	13	19	302	81%	#	51%	76	69	0	10	155	5.36	1.89
Pennington NE	85	80	80	7	5	170	78%	#	42%	40	26	4	1	72	5.26	2.17
Pennington SE	177	200	163	16	15	356	84%	#	64%	79	128	11	9	228	4.92	2.20
Stanley	139	140	131	12	10	249	78%	#	52%	61	54	8	7	131	5.06	2.15
Sully	73	80	82	8	3	170	85%	#	48%	18	50	4	9	81	4.92	2.43
Tripp	57	60	56	6	2	116	88%		41%	28	13	1	6	48	4.98	2.62
Walworth/Potter	89	80	85	8	5	180	84%	#	58%	28	69	3	5	105	4.89	2.74
Ziebach	419	500	389	40	50	878	87%		50%	224	155	29	32	439	4.73	1.86
Butte NW	794	750	685	60	124	2,427	84%	#	42%	383	427	73	130	1,012	4.99	2.53
Butte/Lawrence	1,363	1,400	1,230	112	195	4,275	82%	#	50%	676	1,123	151	190	2,139	5.14	2.56
Harding E	1,112	1,450	997	116	115	3,336	79%	#	32%	450	465	56	103	1,074	4.10	2.35
Harding W	1,127	1,400	1,017	112	111	3,384	83%	#	38%	538	579	50	119	1,287	4.26	2.26
Meade N	1,092	1,100	985	88	135	3,360	79%	#	45%	532	740	93	134	1,499	5.25	2.17
Meade S	492	700	447	56	66	1,539	76%	#	42%	269	305	46	30	649	5.19	2.74
Perkins N	662	1,000	581	80	81	1,986	85%		27%	187	247	50	53	537	3.11	2.50
Perkins S	921	1,350	814	108	108	2,766	83%	#	40%	492	514	48	55	1,110	4.40	2.22
Landowner Own Land	309	Unltd	309	0	0	468	76%	#	48%	152	58	8	7	224	4.51	2.57
<b>Totals</b>	<b>12,163</b>	<b>14,085</b>	<b>11,109</b>	<b>1,135</b>	<b>1,342</b>	<b>32,334</b>	<b>82.2%</b>	<b>#</b>	<b>44%</b>	<b>5,640</b>	<b>6,488</b>	<b>855</b>	<b>1,117</b>	<b>14,100</b>	<b>4.50</b>	<b>2.36</b>
										<b>40.0%</b>	<b>46.0%</b>	<b>6.1%</b>	<b>7.9%</b>	<b>100%</b>		

# These units showed less than 85% response so harvest projections may not be within (+/-) 15% of sample statistic  
 The response rate for all units combined is: **82.2%**  
 Satisfaction is based on a scale of 1-7, where "1" is very dissatisfied, "4" is neutral and "7" is very satisfied.

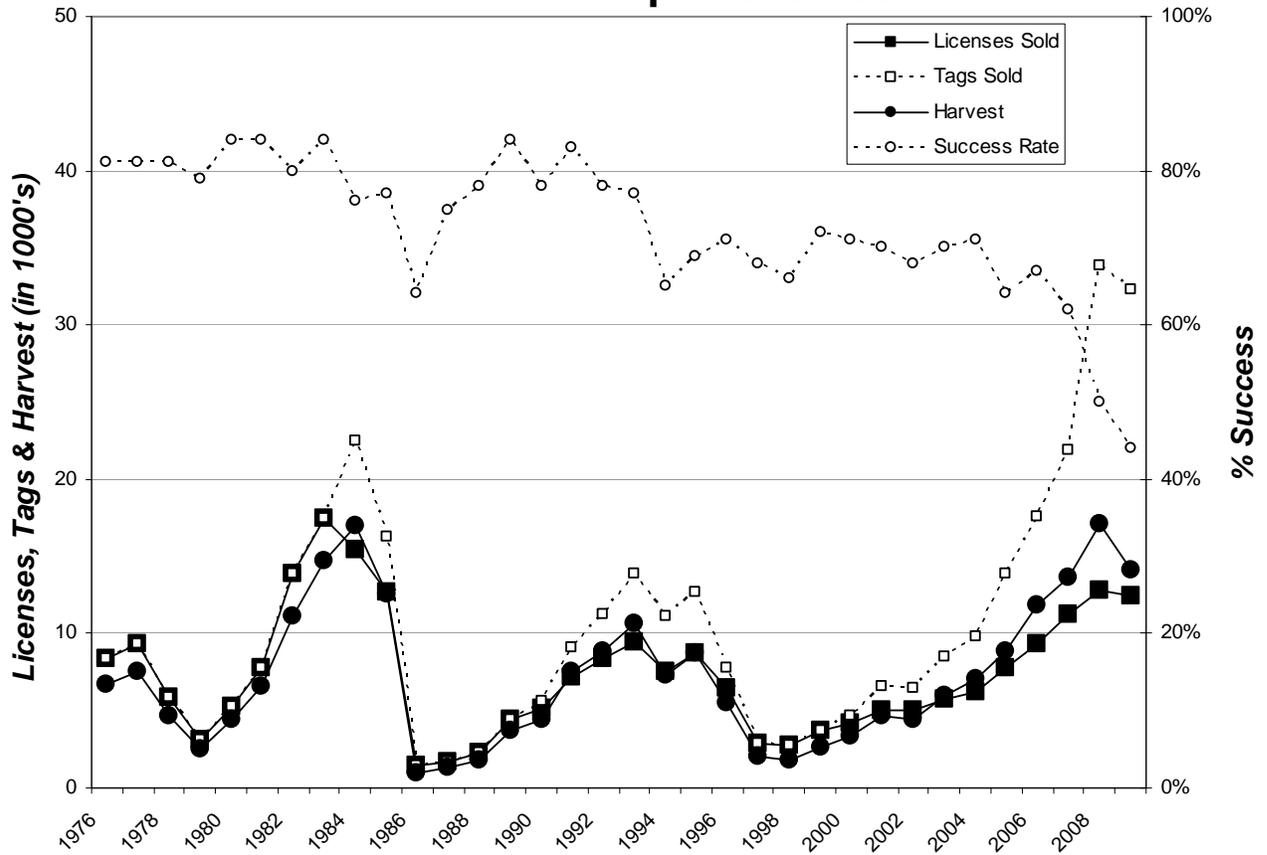
**2009 NW Units Firearm Antelope harvest by date**

	Total	Oct 3-18	Nov 7-29	Dec 26 - Jan 3
Reports	2,185	2,026	135	24
Percent of total		93%	6%	1%
Projected	9,308	8,631	575	102

**2009 NW Units Firearm Antelope Doe/Kid harvest by date**

	Total	Oct 3-18	Nov 7-29	Dec 26 - Jan 3
Reports	1,354	1,195	135	24
Percent of total		88%	10%	2%
Projected	5,780	5,103	575	102

### Firearm Antelope 1976-2009



## **MENTORED YOUTH ANTELOPE**

There were 280 resident single-tag doe/kid licenses issued for the 2009 Mentored Youth Antelope hunting season. All mentors/hunters with addresses were sampled and 206 responses (74%) were received. Approximately 29% of responding mentors/hunters used the Internet response site.

The Mentored Youth licenses were valid during the Archery and Firearm Antelope seasons. The Archery season ran from August 15 through October 31, except when and where a state firearm antelope season was open. The primary Firearm Antelope season was open 16 days from October 3-18. Any unsold or unfilled tags in the units in Butte, Meade, Harding and Perkins Counties converted to "doe/kid" tags and were valid in any of those four units during the West River Deer season, which was open November 7-29, 2009 and December 26 through January 3, 2010 in those units.

Respondents reported hunting an average of 1.85 days each, which projected to 518 recreation days for the season.

Projections for the season estimated that a total of 12 buck kids, 82 doe adults and 14 doe kids were harvested. The total harvest for the Mentored Youth Antelope season was 107, and the overall success rate was 38%. The five counties with the highest reported harvest were Meade, Fall River, Butte, Harding and Pennington.

The average satisfaction rating for those responding (1 being very dissatisfied and 7 very satisfied) was 4.96.

### Summary for the 2008-2009 Mentored Youth Antelope hunting seasons

YEAR	Licenses Sold	Harvest					Success	Avg Days Hunted	Average Satisfctn
		Buck Kids	Doe		Total				
			Adults	Kids					
2008	172	10	68	6	84	49%	1.96	5.87	
2009	280	12	82	14	107	38%	1.85	4.96	

## **2009 Mentored Youth Antelope Harvest Projections**

Last Revised: 20-Apr-10		Harvest Projections							Avg Satisfctn Score	Avg Days Hunted
Unit/Type	Available	Sold	Response Rate	Unit Success	Does	Doe Kids	Buck Kids	Total Harvest		
ST1-43	Unlimited	280	74% #	38%	82	14	12	107	4.96	1.85

# These units showed less than 85% response so harvest projections may not be within (+/-) 15% of sample statistic  
 Satisfaction is based on a scale of 1-7, where "1" is most dissatisfied, "4" is neutral and "7" is most satisfied.

## 2009 Mentored Antelope Harvest Distribution

Last Revised:  
 20-Apr-10

County	Reported Harvest				Projected Harvest			Total		
	Does	Doe Kids	Buck Kids	Total	Does	Doe Kids	Buck Kids	Projected	%	
Pennington	2	3	3	0	6	4	4	0	8	7.6%
Lawrence	9	1	0	0	1	1	0	0	1	1.3%
Bennett	11	1	0	0	1	1	0	0	1	1.3%
Butte	15	9	1	1	11	12	1	1	15	13.9%
Corson	20	1	0	0	1	1	0	0	1	1.3%
Custer	21	1	0	0	1	1	0	0	1	1.3%
Dewey	24	1	0	0	1	1	0	0	1	1.3%
Fall River	27	9	1	3	13	12	1	4	18	16.5%
Gregory	30	0	0	0	0	0	0	0	0	0.0%
Haakon	31	3	0	1	4	4	0	1	5	5.1%
Harding	35	7	2	1	10	10	3	1	14	12.7%
Hughes	36	0	0	0	0	0	0	0	0	0.0%
Hyde	38	0	0	0	0	0	0	0	0	0.0%
Jackson	39	0	0	0	0	0	0	0	0	0.0%
Jones	41	0	0	0	0	0	0	0	0	0.0%
Lyman	45	4	0	0	4	5	0	0	5	5.1%
Meade	49	11	3	1	15	15	4	1	20	19.0%
Mellette	50	1	0	0	1	1	0	0	1	1.3%
Perkins	53	4	0	1	5	5	0	1	7	6.3%
Stanley	58	1	0	0	1	1	0	0	1	1.3%
Sully	59	2	0	0	2	3	0	0	3	2.5%
Tripp	60	1	0	0	1	1	0	0	1	1.3%
Ziebach	64	0	0	1	1	0	0	1	1	1.3%
Shannon	65	0	0	0	0	0	0	0	0	0.0%
Todd	67	0	0	0	0	0	0	0	0	0.0%
Unknown	0	0	0	0	0	0	0	0	0	0.0%
<b>TOTALS</b>		<b>60</b>	<b>10</b>	<b>9</b>	<b>79</b>	<b>82</b>	<b>14</b>	<b>12</b>	<b>107</b>	

Any by county projected harvest values will differ from by unit projected harvest values due to incorrect sampling proportions within counties.  
 Use these figures for approximations only!

# ARCHERY ELK

A total of 185 resident licenses were issued for the 2009 Archery Elk season. All license holders were sent a survey at the end of the season and 172 responded for a 94.5% response rate (3 were undeliverable). Approximately 27% of responding hunters used the Internet response system.

Respondents reported hunting an average of 10.29 days for a total of 1,904 days of recreation. The projected harvest was 52 bulls and 9 cows for an overall success rate of 33%.

Hunter satisfaction was based on a numerical scale from 1 (very dissatisfied) to 7 (very satisfied) and averaged 5.52 for the season.

Prior to 2002 it was assumed that any hunter that did not report harvesting an elk at the mandatory check in was unsuccessful, and success was measured by dividing the number of hunters that reported harvesting an elk by the total number of tags issued.

## Summary comparison of the 1999-2009 Archery Elk seasons

YEAR	Licenses	Harvest			Success	Avg. Days Hunted	Average Satisfaction
	Sold	Bulls	Cows	Total			
1999	130	25	4	29	22%	12.81	NA
2000	123	38	5	43	35%	10.80	NA
2001	140	34	1	35	25%	12.39	NA
2002	151	34	14	49	32%	11.41	5.56
2003	192	48	10	58	30%	11.29	5.53
2004	192	47	12	59	31%	10.95	5.49
2005	267	42	14	56	21%	10.10	5.39
2006	247	30	17	47	19%	10.00	5.12
2007	237	41	22	63	27%	10.58	5.27
2008	202	47	9	56	28%	10.87	5.31
2009	185	52	9	61	33%	10.29	5.52

## 2009 Archery Elk Harvest Projections

Last Revised: 15 Apr 2010

Unit/Type	Resident Licenses					Harvest Projections						Avg Satisfctn Score	Avg Days Hunted	Land Hunted Most		
	Appl. 1st Choice *	Avail.	Sold	Resp.	Success	Bulls	Cows	Calves	Calves	Total Elk Harvested	Elk Shot Not Recovered			Public	Own	Other
H1A-21	604	25	25	96%	50%	13	0	0	0	13	2	5.4	10.2	25	0	0
H1A-23	5	30	30	97%	14%	1	1	0	2	4	4	5.8	8.3	27	0	0
H2A-21	2,637	50	50	96%	44%	20	0	2	0	22	10	6.0	12.0	49	0	1
H2A-23	6	25	25	88%	24%	0	4	2	0	6	4	6.1	10.3	25	0	0
H3A-21	368	20	20	100%	55%	11	0	0	0	11	1	5.2	9.9	19	1	0
H3A-23	2	10	10	100%	22%	0	2	0	0	2	0	5.6	6.9	6	1	1
H4A-21	12	5	5	100%	0%	0	0	0	0	0	0	4.8	6.5	4	0	1
H5A-21	30	5	5	100%	20%	1	0	0	0	1	1	2.8	17.4	5	0	0
H7A-21	126	5	5	100%	40%	2	0	0	0	2	0	3.6	8.2	4	0	1
H9A-21	4	2	2	100%	0%	0	0	0	0	0	0	3.0	17.5	1	0	1
H9A-23	1	2	2	100%	0%	0	0	0	0	0	0	3.0	12.5	1	0	0
30A-21	28	2	2	100%	0%	0	0	0	0	0	0	5.0	8.5	0	0	2
30A-23	3	4	4	25%	# 0%	0	0	0	0	0	0		0.0	0	0	0
<b>3,826</b>	<b>185</b>	<b>185</b>	<b>94.5%</b>	<b>33.2%</b>		<b>48</b>	<b>7</b>	<b>4</b>	<b>2</b>	<b>61</b>	<b>22</b>	<b>5.52</b>	<b>10.29</b>	<b>168</b>	<b>2</b>	<b>8</b>

The response rate for all units combined is: 94.5% 95% 1% 4%

Satisfaction scale of 1=very dissatisfied to 7=very satisfied.

# Harvest projections were developed for units where response rate was less than 85% and may not be within +/- 15% of the sample statistic.

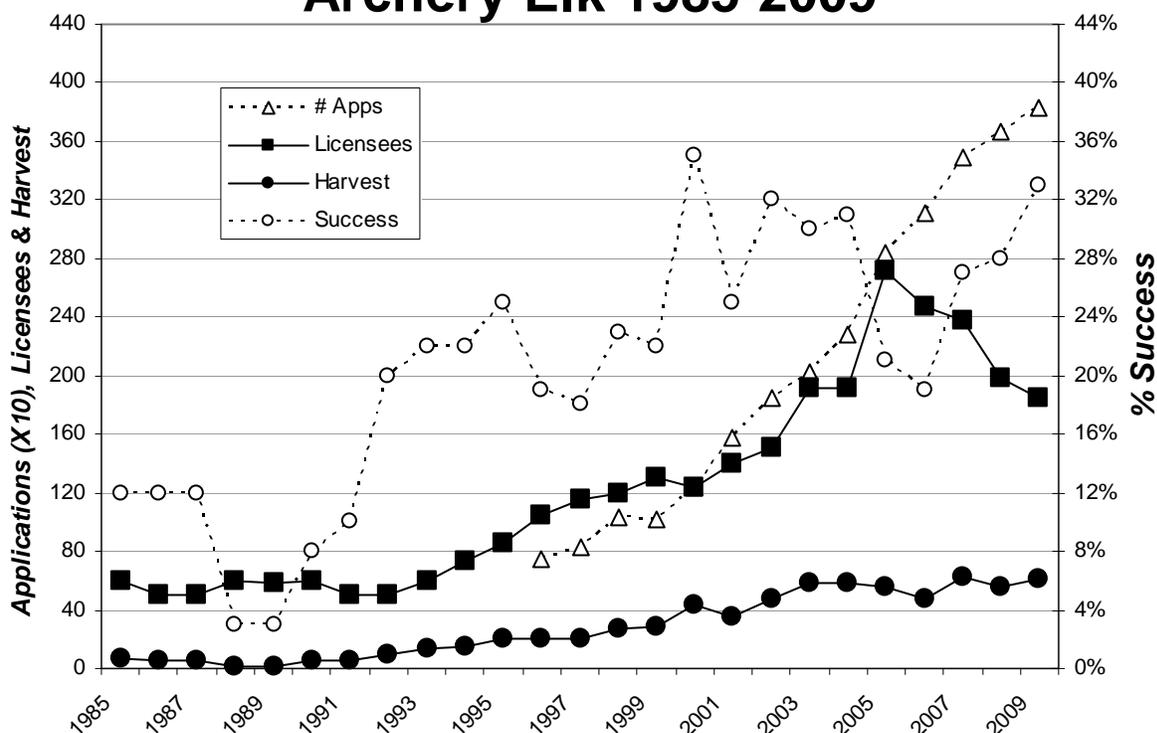
\* Number of 1st drawing applicants with that unit as 1st choice.

## 2009 Archery Elk Harvest Date Distribution

Kill Date	Reported	Percent	Kill Date	Reported	Percent
9/1	0		9/16	1	1.79%
9/2	2	3.57%	9/17	3	5.36%
9/3	2	3.57%	9/18	3	5.36%
9/4	2	3.57%	<b>9/19</b>	5	8.93%
<b>9/5</b>	1	1.79%	<b>9/20</b>	2	3.57%
<b>9/6</b>	1	1.79%	9/21	2	3.57%
9/7	2	3.57%	9/22	0	
9/8	1	1.79%	9/23	4	7.14%
9/9	1	1.79%	9/24	2	3.57%
9/10	3	5.36%	9/25	0	
9/11	2	3.57%	<b>9/26</b>	2	3.57%
<b>9/12</b>	3	5.36%	<b>9/27</b>	1	1.79%
<b>9/13</b>	1	1.79%	9/28	3	5.36%
9/14	2	3.57%	9/29	2	3.57%
9/15	3	5.36%	9/30	0	
			<b>Total</b>	<b>56</b>	

Weekend dates are in bold

## Archery Elk 1985-2009



# **BLACK HILLS FIREARM ELK**

A total of 1,366 licenses were issued for the 2009 Black Hills Firearm Elk season. All license holders were sent a survey at the end of the season and 1,269 responded for a 93.0% response rate (2 surveys were undeliverable). Approximately 27% responded using the Internet response system.

Respondents reported hunting an average of 6.38 days which projects to a total of 8,715 days of recreation for the season. The projected harvest was 404 bulls and 379 cows for an overall success rate of 57.3%.

Hunter satisfaction was based on a numerical scale from 1 (very dissatisfied) to 7 (very satisfied) and averaged 4.70 for the season.

Approximately 81% of responding hunters reported hunting on public land, 12% on private land they do not own, and 7% on private land they own.

Prior to 2002 it was assumed that any hunter that did not report harvesting an elk at the mandatory check in was unsuccessful, and success was measured by dividing the number of hunters that reported harvesting an elk by the total number of tags issued.

## Summary comparison of the 1999-2009 Black Hills Firearm Elk seasons

Year	# Apps 1 <sup>st</sup> Choice	Licenses Sold	Harvest			Success Rate	Avg. Days Hunted	Average Satisfaction
			Bulls	Cows	Total			
1999	11,120	1,019	435	234	669	66%	6.54	NA
2000	11,953	1,083	467	278	745	69%	6.30	NA
2001	12,114	1,124	440	281	721	64%	6.67	NA
2002	11,998	1,229	400	486	886	72%	6.19	5.70
2003	11,852	1,579	403	653	1,056	67%	6.76	5.32
2004	13,538	1,798	379	722	1,101	61%	5.96	5.22
2005	14,687	2,670	511	884	1,395	52%	6.04	4.83
2006	13,392	2,470	525	833	1,358	55%	6.18	4.55
2007	13,916	2,075	559	505	1,064	51%	6.77	4.52
2008	13,083	1,675	473	390	863	52%	6.57	4.62
2009	12,915	1,366	404	379	783	57%	6.38	4.70

\*Harvest and success estimates for 2002 include both the regular and extended seasons.

## 2009 Black Hills Firearm Elk Harvest Projections

Last Revised: 15 Apr 2010

Unit/Type	Resident Licenses					Harvest Projections						Avg Satisfctn Score	Avg Days Hunted	Land Hunted Most		
	Appl. 1st Choice *	Avail.	Sold	Resp.	Success	Bulls	Cows	Bull Calves	Cow Calves	Total Elk Harvested	Elk Shot Not Recovered			Public	Own	Other Private
H1A-21	1,438	100	100	97%	75%	55	15	5	0	75	7	4.67	8.6	90	6	3
H1B-23	36	70	70	89%	47%	0	29	1	2	33	6	5.17	6.0	64	1	1
H1C-23	21	70	70	96%	49%	1	28	1	4	34	2	5.00	6.0	64	0	0
H2A-21	8,665	250	251	94%	83%	196	9	2	1	207	7	5.83	6.4	235	6	4
H2B-23	152	100	99	93%	51%	0	46	1	3	50	2	5.28	5.7	93	0	1
H2C-23	48	100	100	93%	67%	2	50	10	5	67	3	5.06	5.0	92	0	3
H2D-23	79	50	50	84%	# 62%	0	30	1	0	31	1	5.66	4.0	45	0	0
H2E-23	35	50	51	90%	76%	0	35	1	2	39	1	6.11	4.2	44	1	1
H3A-21	1,626	150	150	95%	59%	80	8	1	0	89	1	4.41	7.4	90	38	19
H3B-23	21	40	41	93%	18%	0	6	0	1	8	0	3.59	6.9	40	0	1
H3C-23	3	40	40	90%	28%	0	8	1	2	11	0	3.68	7.2	38	0	0
H3D-23	35	60	59	93%	51%	0	26	1	3	30	4	4.21	4.8	45	0	10
H3E-23	17	60	60	93%	48%	0	25	0	4	29	4	4.68	4.8	31	1	20
H4A-21	92	40	40	100%	49%	18	1	0	0	19	2	4.21	6.8	8	18	11
H4B-23	5	40	40	93%	32%	0	13	0	0	13	1	4.68	5.4	4	1	32
H4C-23	0	40	40	90%	33%	0	11	1	1	13	1	4.50	5.1	3	1	30
H5A-21	90	15	15	93%	57%	9	0	0	0	9	0	4.23	11.9	14	1	0
H5B-23	2	5	5	100%	0%	0	0	0	0	0	0	3.00	5.8	4	0	0
H5C-23	2	5	5	100%	40%	0	2	0	0	2	0	6.50	4.8	5	0	0
H7A-21	492	30	30	93%	39%	11	1	0	0	12	1	3.29	11.8	25	4	1
H7B-23	8	10	10	80%	# 13%	0	1	0	0	1	0	3.53	5.5	8	0	1
H7C-23	1	10	10	90%	0%	0	0	0	0	0	0	3.48	11.3	10	0	0
H9A-21	46	20	20	76%	# 38%	6	0	0	1	8	0	3.42	7.1	1	9	8
H9B-23	1	5	5	100%	20%	0	1	0	0	1	0	3.69	5.4	1	0	4
H9C-23	0	5	5	100%	20%	0	1	0	0	1	0	4.08	6.0	1	0	3
<b>12,915</b>	<b>1,365</b>	<b>1,366</b>	<b>93.0%</b>	<b>57.3%</b>		<b>377</b>	<b>347</b>	<b>27</b>	<b>32</b>	<b>783</b>	<b>45</b>	<b>4.70</b>	<b>6.38</b>	<b>1,056</b>	<b>89</b>	<b>154</b>

The response rate for all units combined is: 93.0% 81% 7% 12%

Satisfaction scale of 1=very dissatisfied to 7=very satisfied.

# Harvest projections were developed for units where response rate was less than 85% and

may not be within +/- 15% of the sample statistic.

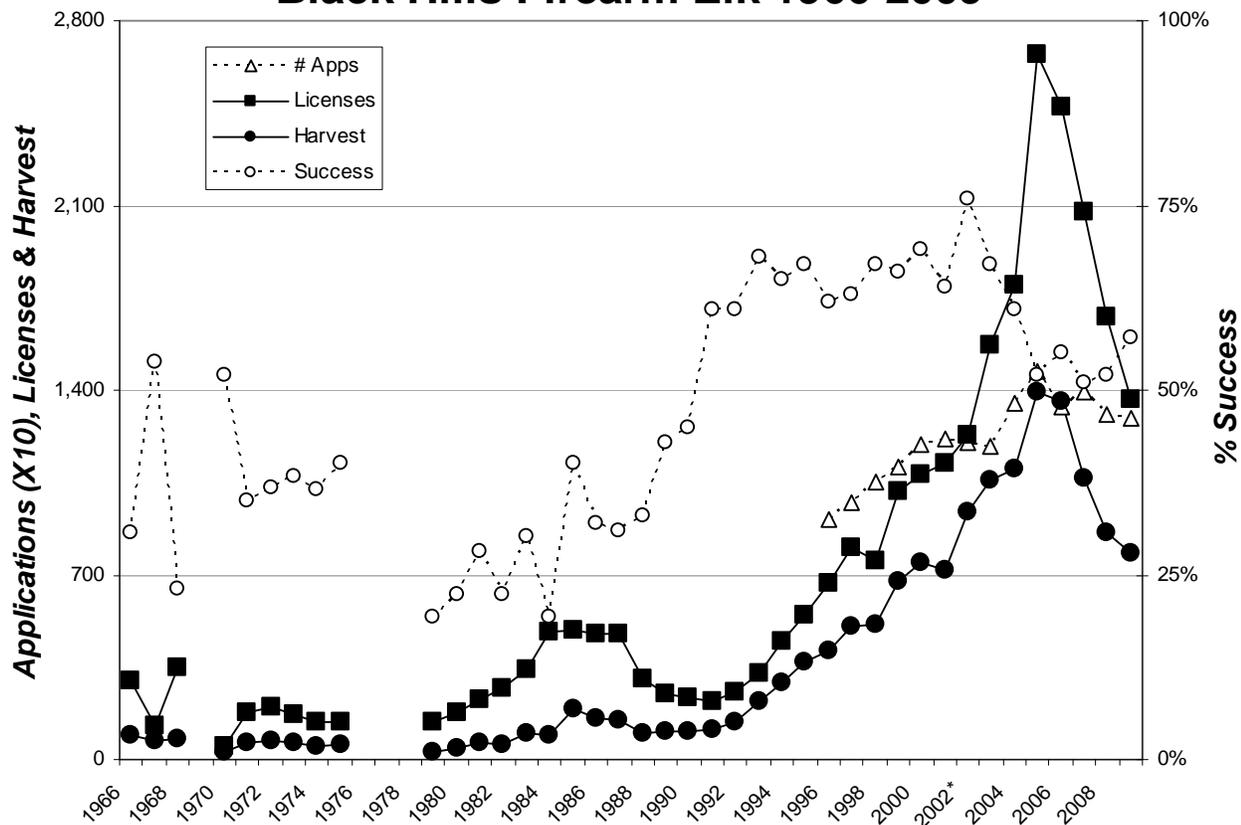
\* Number of 1st drawing applicants with that unit as 1st choice.

## 2009 Black Hills Firearm Elk Harvest Date Distribution

Kill Date	Reported	Percent	Kill Date	Reported	Percent	Kill Date	Reported	Percent
10/1	80	11.82%	10/16	23	3.40%	12/1	10	1.48%
10/2	60	8.86%	<b>10/17</b>	23	3.40%	12/2	3	0.44%
<b>10/3</b>	44	6.50%	<b>10/18</b>	13	1.92%	12/3	4	0.59%
<b>10/4</b>	33	4.87%	10/19	7	1.03%	12/4	9	1.33%
10/5	27	3.99%	10/20	14	2.07%	<b>12/5</b>	14	2.07%
10/6	13	1.92%	10/21	9	1.33%	<b>12/6</b>	10	1.48%
10/7	12	1.77%	10/22	6	0.89%	12/7	3	0.44%
10/8	10	1.48%	10/23	11	1.62%	12/8	2	0.30%
10/9	11	1.62%	<b>10/24</b>	17	2.51%	12/9	3	0.44%
<b>10/10</b>	18	2.66%	<b>10/25</b>	13	1.92%	12/10	6	0.89%
<b>10/11</b>	11	1.62%	10/26	5	0.74%	12/11	7	1.03%
10/12	13	1.92%	10/27	9	1.33%	<b>12/12</b>	15	2.22%
10/13	3	0.44%	10/28	6	0.89%	<b>12/13</b>	15	2.22%
10/14	6	0.89%	10/29	9	1.33%	12/14	7	1.03%
10/15	11	1.62%	10/30	20	2.95%	12/15	10	1.48%
			<b>10/31</b>	22	3.25%			
<b>Total</b>							<b>677</b>	
<b>October</b>							<b>559</b>	<b>82.6%</b>
<b>December</b>							<b>118</b>	<b>17.4%</b>

Weekend dates are in bold

### Black Hills Firearm Elk 1966-2009



# PRAIRIE FIREARM ELK

A total of 133 licenses were issued for the 2009 Prairie Firearm Elk season. Unit 09A was established as a new addition to the Prairie Elk season in 2009. All license holders were sent a survey at the end of the season and 124 responded for a 93.9% response rate. Approximately 27% responded using the Internet.

Respondents reported hunting an average of 5.31 days for a total of 706 days of recreation. The projected harvest was 29 bulls and 22 cows for an overall success rate of 38%.

Hunter satisfaction was based on a numerical scale from 1 (very dissatisfied) to 7 (very satisfied) and averaged 4.17 for the season.

Approximately 73% of responding hunters reported hunting mostly on private land they do not own, 15% on public land and 12% on private land they own.

Prior to 2002 it was assumed that any hunter that did not report harvesting an elk at the mandatory check in was unsuccessful, and success was measured by dividing the number of hunters that reported harvesting an elk by the total number of tags issued.

## Summary comparison of the 1999-2009 Prairie Firearm Elk seasons

YEAR	Licenses		Harvest			Success	Avg. Days Hunted	Average Satisfaction
	Sold		Bulls	Cows	Total			
1999	44		19	8	27	61%	NA	NA
2000	37		12	6	18	49%	NA	NA
2001	42		11	5	16	38%	5.29	NA
2002	46		19	10	29	63%	6.27	4.39
2003	82		25	18	43	52%	6.38	4.31
2004	90		15	16	31	34%	6.40	4.07
2005	89		20	22	42	47%	6.20	4.92
2006	76		20	21	41	54%	5.62	4.30
2007	76		19	16	35	46%	5.87	4.58
2008	76		18	17	35	46%	7.46	4.29
2009	133		29	22	51	38%	5.31	4.17

NOTE: Prior to 2001, the prairie units were reported within the regular Black Hills Firearm season. The prairie units were separated into a distinct season in 2001. Unit 15A was switched from the Black Hills season to the Prairie season in 2004.

## 2009 Prairie Firearm Elk Harvest Projections

Last Revised: 19 Apr 2010

Unit/Type	Resident Licenses				Harvest Projections							Avg Satisfctn Score	Avg Days Hunted	Land Hunted Most		
	Appl. 1st Choice *	Avail.	Sold	Resp.	Success	Bulls	Cows	Bull Calves	Cow Calves	Total Elk Harvested	Elk Shot Not Recovered			Public	Own	Other Private
09A-21	402	15	15	100%	73%	10	1	0	0	11	0	5.7	3.8	0	6	8
09A-23	12	20	20	90%	44%	0	8	0	1	9	1	5.3	3.6	0	0	18
11A-23	16	20	20	90%	33%	1	4	1	0	7	1	3.8	5.2	1	0	18
11B-21	352	10	11	91%	70%	8	0	0	0	8	0	4.8	4.8	3	6	2
11B-23	4	10	10	100%	30%	0	3	0	0	3	0	4.6	6.0	3	0	6
11C-21	162	8	8	100%	38%	3	0	0	0	3	0	3.0	8.3	2	1	5
11C-23	3	8	8	75% #	17%	0	1	0	0	1	0	3.5	3.7	3	0	5
15A-21	302	10	10	100%	30%	3	0	0	0	3	0	4.0	14.0	0	3	5
15A-23	16	20	21	95%	11%	0	2	0	0	2	1	2.5	9.5	0	0	18
30A-21	224	2	2	100%	50%	1	0	0	0	1	1	5.0	13.0	0	0	2
30A-23	15	8	8	100%	38%	1	1	1	0	3	0	4.2	3.0	1	1	3
<b>TOTAL</b>	<b>1,508</b>	<b>131</b>	<b>133</b>	<b>93.9%</b>	<b>38.2%</b>	<b>27</b>	<b>21</b>	<b>2</b>	<b>1</b>	<b>51</b>	<b>4</b>	<b>4.17</b>	<b>5.31</b>	<b>13</b>	<b>11</b>	<b>63</b>

The response rate for all units combined is: 93.9%

Satisfaction scale of 1=very dissatisfied to 7=very satisfied.

# Harvest projections were developed for units where response rate was less than 85% and may not be within +/- 15% of the sample statistic.

\* Number of 1st drawing applicants with that unit as 1st choice.

## **Statewide Combined Deer Harvest**

There were 82,357 resident deer licenses (plus unlimited licenses) available in 2009 and 117,947 were issued. Nonresidents had 3,402 licenses (plus unlimited licenses) available and 10,842 were issued. Statewide, there were a total of 128,789 licenses sold that represented a total of 203,344 tags, an increase in 76 licenses and 14,185 tags from 2008. This was the first year that triple-tag licenses were issued for both East and West River seasons.

Random samplings were taken for each unit within each season unless the numbers of hunters were low enough that all were sampled to satisfy the statistical analyses. In most cases, the response rates in the majority of units within seasons did not meet the 85% goals.

The projected statewide deer harvest was 87,350, a 5% decrease from 2008. This projection included 31,813 whitetail bucks, 37,680 whitetail does, 8,519 mule bucks and 9,337 mule does. A decrease in overall harvest of over 4,000 deer combined with an increase in over 14,000 tags issued accounted for the 5% decrease in harvest success from 2008.

Decreases in harvest for East River Deer, Muzzleloader Deer, Youth Deer and Black Hills Deer accounted for most of the decrease, with an increase in West River Deer harvest offsetting the effect of those four. Both whitetail buck and doe harvest estimates decreased from 2008 by 1,600 and 2,779 respectively. Mule buck harvest also decreased from 2008 by 624, however mule doe harvest increased by nearly 800. Mule deer made up approximately 20% of the total harvest.

The 2009 overall statewide harvest success declined significantly from 48% in 2008 to 43%. Harvest success ranged from 23% at Sand Lake Refuge to 75% for West River Special Buck.

Respondents reported hunting an average of 4.95 days per hunter, which projects to a statewide total of 637,030 recreation days in 2009. The average number of days hunted was slightly higher than 2008. That combined with the slight increase in license sales resulted in an increase of approximately 1,000 total days of recreation from 2008.

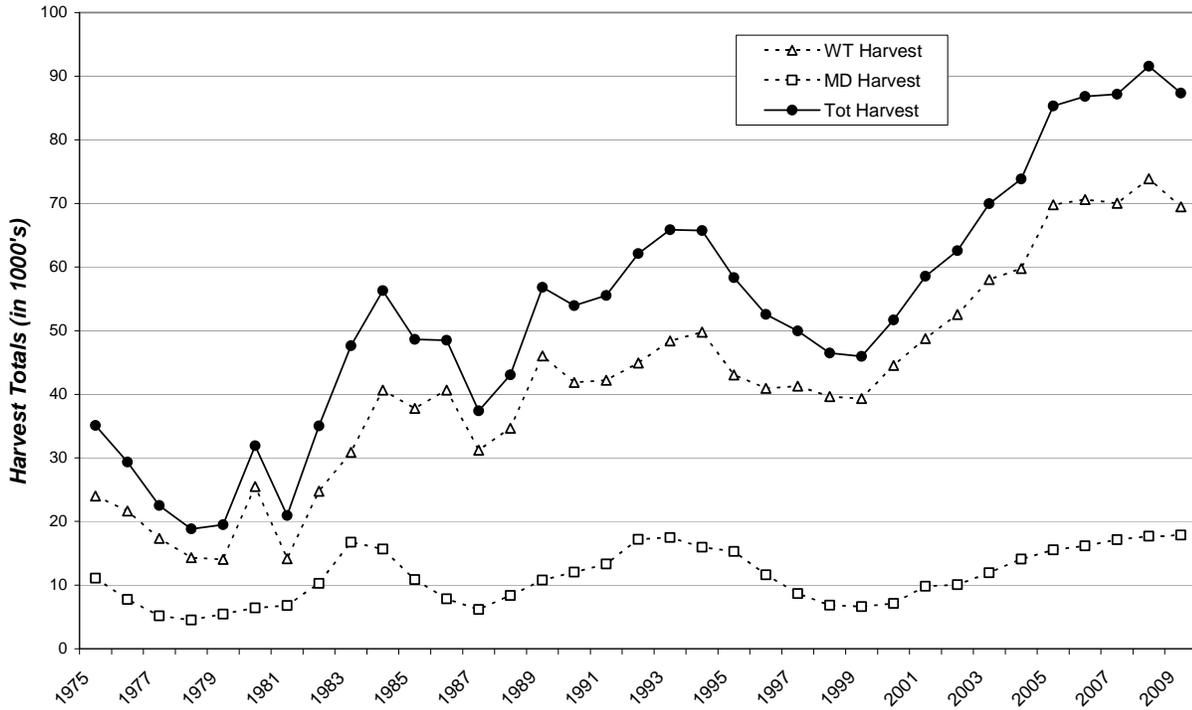
Average hunter satisfaction values (1=very dissatisfied to 7=very satisfied) varied between seasons and ranged from 3.83 for Sand Lake Refuge and 3.85 for Waubay Refuge to 5.79 for West River Special Buck and 5.78 for Mentored Youth.

## 2009 Statewide Deer Harvest Projection Summary

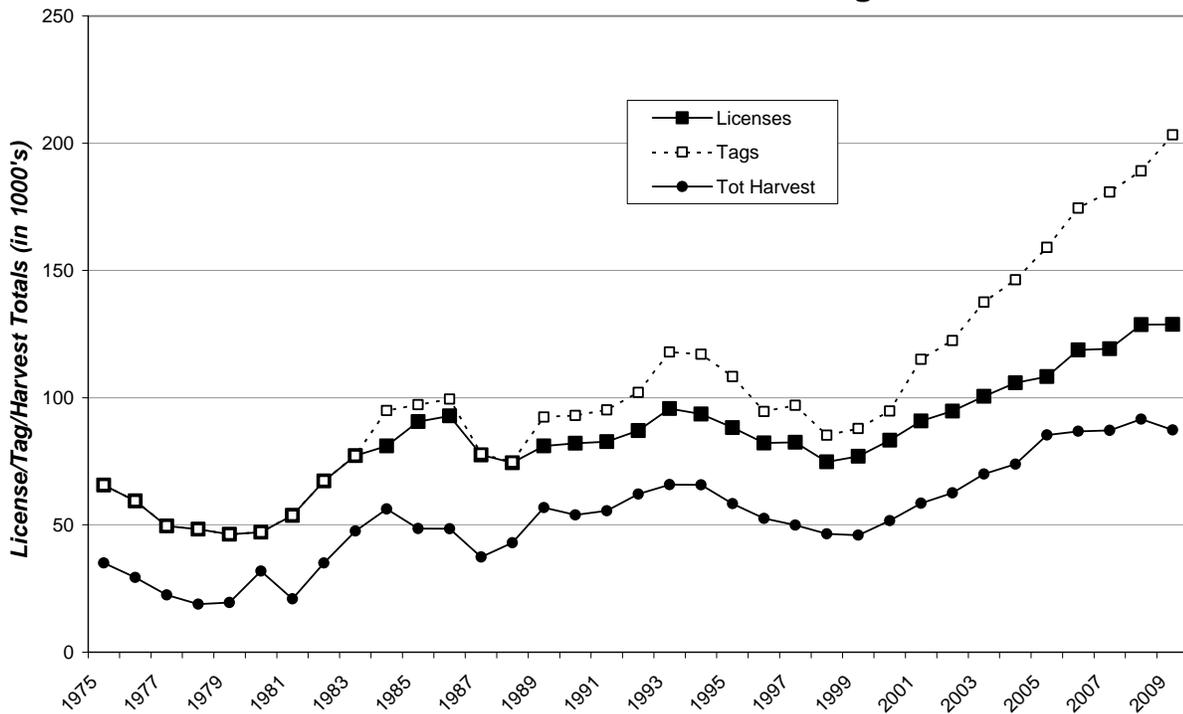
last revised: 4 May 2010

SOUTH DAKOTA Harvest Statistic	Season	Archery	Youth Antlerless	Mentored Youth	Muzzleloader	West River	West River Landowner Own Land	West River Special Buck Unit	East River	East River Landowner Own Land	East River Special Buck Unit	Refuges			Black Hills	Custer State Park	Grand Totals
												Sand Lake NWR	Lacreek NWR	Waubay NWR			
<b>Licenses/Tags</b>																	
<b>Resident Licenses</b>																	
Available		Unlimited	Unlimited	Unlimited	Unlimited	28,570	Unlimited	500	45,290	Unlimited	400	250	40	60	7,200	47	82,357
Sold		23,495	6,273	1,627	5,406	24,704	1,794	501	41,820	4,312	401	247	39	63	7,218	47	117,947
<b>Resident Tags</b>																	
Available		Unlimited	Unlimited	Unlimited	Unlimited	68,420	Unlimited	500	74,685	Unlimited	400	500	40	60	7,200	92	151,897
Sold		25,438	6,273	1,627	7,004	58,493	2,953	501	67,319	6,893	401	494	39	63	7,218	92	184,808
<b>Nonresident Licenses</b>																	
Available		Unlimited	Unlimited	N/A	Unlimited	2,289	N/A	500	Leftovers	N/A	N/A	25	6	6	576	N/A	3,402
Sold		3,071	574	N/A	361	3,892	N/A	499	1,797	N/A	N/A	28	4	3	613	N/A	10,842
<b>Nonresident Tags</b>																	
Available		Unlimited	Unlimited	N/A	Unlimited	5,480	N/A	500	Leftovers	N/A	N/A	50	6	6	576	N/A	6,618
Sold		3,280	574	N/A	545	9,299	N/A	499	3,663	N/A	N/A	56	4	3	613	N/A	18,536
<b>Total Licenses</b>																	
Available		Unlimited	Unlimited	Unlimited	Unlimited	30,859	Unlimited	1,000	45,290	Unlimited	400	275	46	66	7,776	47	85,759
Sold		26,566	6,847	1,627	5,767	28,596	1,794	1,000	43,617	4,312	401	275	43	66	7,831	47	128,789
<b>Total Tags</b>																	
Available		Unlimited	Unlimited	Unlimited	Unlimited	73,900	Unlimited	1,000	74,685	Unlimited	400	550	46	66	7,776	92	158,515
Sold		28,718	6,847	1,627	7,549	67,792	2,953	1,000	70,982	6,893	401	550	43	66	7,831	92	203,344
<b>Recreation</b>																	
Average Days Hunted		12.34	5.72	4.02	4.49	3.53	3.86	3.56	4.52	4.47	6.14	2.88	2.61	2.23	4.75	2.70	4.95
Total Days Hunted		220,072	27,101	6,541	23,276	93,250	6,930	3,558	197,001	19,269	2,464	791	112	147	36,390	127	637,030
Mean Satisfaction Score		5.12	5.22	5.78	4.87	5.22	5.18	5.79	4.41	4.57	4.83	3.83	5.08	3.85	4.53	N/A	
<b>Harvest</b>																	
<b>White-tailed Deer</b>																	
Bucks		4,228	387	132	461	9,577	517	226	12,048	1,532	153	58	19	16	2,450	10	31,813
Does		3,959	2,391	624	1,686	9,708	326	2	16,784	941	15	66	4	9	1,122	42	37,680
Total		8,188	2,779	756	2,147	19,285	843	228	28,832	2,473	167	124	23	25	3,572	52	69,493
<b>Mule Deer</b>																	
Bucks		488	66	16	78	6,257	454	513	388	101	21	0	0	0	134	2	8,519
Does		263	491	164	327	7,027	247	7	711	24	0	0	0	0	74	0	9,337
Total		751	557	180	406	13,285	702	520	1,099	125	21	0	0	0	208	2	17,856
<b>Total Deer Harvest</b>																	
Bucks		4,716	453	148	540	15,834	971	739	12,436	1,633	173	58	19	16	2,584	12	40,333
Does		4,223	2,883	788	2,013	16,736	573	9	17,495	965	15	66	4	9	1,196	42	47,017
Total		8,939	3,336	936	2,553	32,569	1,545	748	29,931	2,598	188	124	23	25	3,781	54	87,350
<b>Success</b>																	
		31%	49%	58%	34%	48%	52%	75%	42%	38%	47%	23%	52%	38%	48%	59%	43%

### South Dakota's Combined Deer Harvest 1975-2009



### South Dakota Combined Deer Licensing 1975-2009



## **ARCHERY DEER**

There were 26,566 archery deer licenses issued in 2009 (23,495 resident, 3,071 nonresident). All were single any-deer tags, single antlerless-deer tags, or double-antlerless deer tags for the Statewide, LM1, East River or West River units.

A random sampling of 3,979 (15%) hunters was taken and 3,252 responded for a return rate of 82%. Approximately 59% of responding hunters used the Internet response site.

The 2009 Archery season ran from September 26, 2009 through January 31, 2010. Licensed "any deer" hunters who did not fill their license by December 31 were allowed to continue hunting through January for antlerless deer only. Respondents reported hunting 12.34 days per hunter, which projects to a total of 220,072 recreation days for the season.

The projected deer harvest for the archery season was 8,939 deer (4,228 whitetail bucks, 3,960 whitetail does, 488 mule deer bucks, and 266 mule deer does). The success rate for the season was 31%. The five counties with the highest reported harvest were Brown, Minnehaha, Pennington, Yankton, and Lawrence.

Hunters were also asked to identify if they harvested a deer in the Black Hills or on or between Farm and LaFramboise Islands in Hughes County. Estimates indicated 854 deer were harvested in the Black Hills and 62 on or between Farm and LaFramboise Islands.

Satisfaction was also measured (1=very dissatisfied to 7=very satisfied) and the average response for this season was 5.10.

### Summary comparison of the 2000-2009 Archery Deer seasons

YEAR	Licenses Sold		Harvest					Success	Avg Days Hunted	Average Satisfctn
	Res	Nonres	Bucks		Does		Total			
			WT	Mule	WT	Mule				
2000	11,403	840	1,894	204	1,068	112	3,278	27%	11.29	5.33
2001	12,666	1,074	2,297	314	1,121	98	3,830	28%	12.49	5.17
2002	13,532	1,160	2,431	262	1,428	103	4,224	28%	12.43	5.30
2003	14,270	1,440	2,557	287	1,726	120	4,692	29%	11.85	5.43
2004	15,377	1,642	3,097	322	1,836	141	5,396	31%	12.84	5.25
2005	17,597	1,920	4,144	490	3,306	289	8,229	37%	13.21	5.35
2006	19,595	2,308	3,423	425	3,812	316	7,976	32%	13.35	4.28
2007	20,863	2,459	3,589	538	3,664	352	8,143	30%	12.47	5.11
2008	21,990	2,649	3,860	551	4,147	427	8,985	31%	12.36	5.10
2009	23,495	3,071	4,228	488	3,960	263	8,939	31%	12.34	5.12

### 2009 General Archery Deer Harvest Projections

Unit	Hunters	Licenses Available	Licenses Sold		Tags Sold	Response Rate	Tag Success	Harvest Projections								Total Deer Harvest	Avg Days Hunted	Avg Satisfaction	
			Resident	Nonresident				Whitetail				Mule Deer							
								Bucks	Does	Bucks	Does	Bucks	Does	Bucks	Does				
All units	17,834	Unlimited	23,495	3,071	28,718	82%	#	31%	3,833	395	3,532	428	472	16	230	33	8,939	12.34	5.12

# Units with less than 85% response rate and may not be within accepted tolerance for data accuracy.

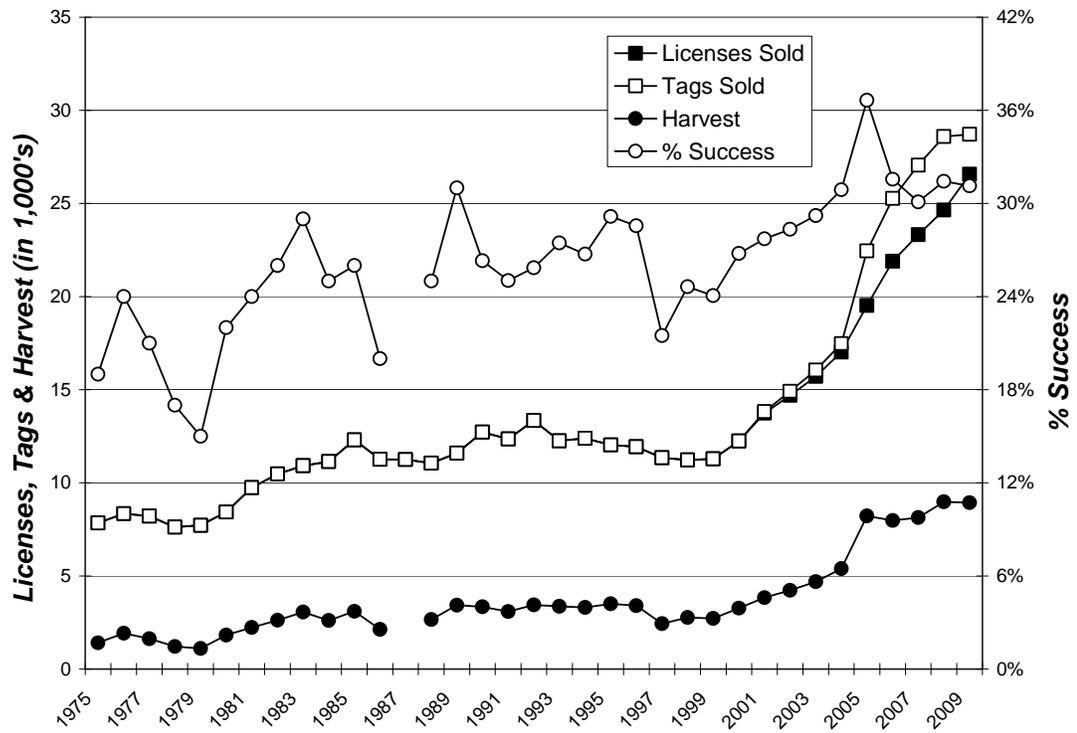
South Dakota Game Report No 2010-01 - 2009 Big Game Harvest Projections  
 Corey Huxoll

**2009 Archery Deer Harvest Distribution by County Hunted Most**

County	Reported Harvest									Projected Harvest											
	Whitetail				Mule Deer					Whitetail				Mule Deer				Black Hills	Farm/LeFram	Total	
	Bucks		Does		Bucks		Does			Bucks		Does		Bucks		Does				Estimate	Estimate
	Adult	Fawn	Adult	Fawn	Adult	Fawn	Adult	Fawn	Total	Adult	Fawn	Adult	Fawn	Adult	Fawn	Adult	Fawn				
Minnehaha	32	6	38	8	2	0	0	0	86	180	35	214	45	11	0	0	0	17	0	484	5.4%
Pennington	24	0	29	5	5	1	1	1	66	135	0	163	28	28	5	6	5	292	0	371	4.1%
Brown	52	9	55	2	0	0	1	0	119	292	52	309	11	0	0	6	0	0	11	670	7.5%
Beadle	12	0	10	0	0	0	0	0	22	67	0	56	0	0	0	0	0	0	0	124	1.4%
Codington	13	2	14	1	0	0	0	0	30	73	12	79	6	0	0	0	0	0	0	169	1.9%
Brookings	19	2	26	2	2	0	1	0	52	107	12	146	11	11	0	6	0	11	0	293	3.3%
Yankton	29	4	25	2	0	0	0	0	60	163	23	141	11	0	0	0	0	0	0	338	3.8%
Davison	9	2	7	1	2	0	0	0	21	51	12	39	6	11	0	0	0	0	0	118	1.3%
Lawrence	19	2	25	3	2	0	7	0	58	107	12	141	17	11	0	39	0	219	0	326	3.7%
Aurora	10	0	6	2	0	0	1	0	19	56	0	34	11	0	0	6	0	0	0	107	1.2%
Bennett	2	0	2	0	1	0	2	0	7	11	0	11	0	6	0	11	0	0	0	39	0.4%
Bon Homme	13	1	16	5	1	0	0	0	36	73	6	90	28	6	0	0	0	0	0	203	2.3%
Brule	8	0	7	0	1	0	3	0	19	45	0	39	0	6	0	17	0	6	0	107	1.2%
Buffalo	1	0	0	0	0	0	0	0	1	6	0	0	0	0	0	0	0	0	0	6	0.1%
Butte	12	1	6	0	1	0	0	0	20	67	6	34	0	6	0	0	0	6	0	113	1.3%
Campbell	1	0	1	0	0	0	0	0	2	6	0	6	0	0	0	0	0	0	0	11	0.1%
Charles Mix	19	1	19	1	6	0	1	0	47	107	6	107	6	34	0	6	0	11	0	264	3.0%
Clark	15	1	12	1	0	0	0	0	29	84	6	67	6	0	0	0	0	6	0	163	1.8%
Clay	9	1	15	2	1	0	0	0	28	51	6	84	11	6	0	0	0	0	0	158	1.8%
Corson	3	0	4	0	1	0	0	0	8	17	0	22	0	6	0	0	0	0	0	45	0.5%
Custer	12	0	11	3	2	0	2	0	30	67	0	62	17	11	0	11	0	118	0	169	1.9%
Day	9	0	8	1	0	0	0	0	18	51	0	45	6	0	0	0	0	0	0	101	1.1%
Deuel	9	1	3	3	0	0	0	0	16	51	6	17	17	0	0	0	0	0	0	90	1.0%
Dewey	2	1	1	1	0	0	0	0	5	11	6	6	6	0	0	0	0	0	0	28	0.3%
Douglas	4	0	2	1	0	1	0	0	8	22	0	11	6	0	5	0	0	0	0	45	0.5%
Edmunds	12	0	6	5	0	0	0	0	23	67	0	34	28	0	0	0	0	0	0	129	1.4%
Fall River	4	0	14	0	8	0	5	1	32	22	0	79	0	45	0	28	5	28	6	180	2.0%
Faulk	6	0	6	0	0	0	0	0	12	34	0	34	0	0	0	0	0	0	0	67	0.8%
Grant	22	3	11	0	1	0	0	0	37	123	17	62	0	6	0	0	0	0	0	208	2.3%
Gregory	12	1	17	2	3	0	1	1	37	67	6	96	11	17	0	6	5	0	0	208	2.3%
Haakon	1	0	2	1	6	0	1	0	11	6	0	11	6	34	0	6	0	0	11	62	0.7%
Hamlin	12	5	22	3	0	0	0	0	42	67	29	124	17	0	0	0	0	0	0	237	2.7%
Hand	9	1	6	2	1	0	0	0	19	51	6	34	11	6	0	0	0	0	0	107	1.2%
Hanson	7	2	6	0	2	0	0	0	17	39	12	34	0	11	0	0	0	6	0	96	1.1%
Harding	1	0	3	0	7	0	0	0	11	6	0	17	0	39	0	0	0	0	0	62	0.7%
Hughes	10	1	5	0	0	0	2	0	18	56	6	28	0	0	11	0	0	17	0	101	1.1%
Hutchinson	6	0	4	0	0	0	0	0	10	34	0	22	0	0	0	0	0	0	0	56	0.6%
Hyde	11	1	3	0	0	0	1	0	16	62	6	17	0	0	0	6	0	0	0	90	1.0%
Jackson	1	0	0	0	2	0	0	0	3	6	0	0	0	11	0	0	0	11	0	17	0.2%
Jerauld	11	2	11	0	2	0	0	0	26	62	12	62	0	11	0	0	0	0	0	146	1.6%
Jones	2	0	2	0	4	0	1	0	9	11	0	11	0	22	0	6	0	11	51	0.6%	
Kingsbury	16	1	14	0	2	0	0	0	33	90	6	79	0	11	0	0	0	0	0	186	2.1%
Lake	16	4	6	1	0	0	0	0	27	90	23	34	6	0	0	0	0	0	0	152	1.7%
Lincoln	23	4	12	1	0	0	0	0	40	129	23	67	6	0	0	0	0	0	0	225	2.5%
Lyman	9	1	11	0	2	0	0	0	23	51	6	62	0	11	0	0	0	0	0	129	1.4%
McCook	11	1	8	1	1	0	0	0	22	62	6	45	6	6	0	0	0	6	0	124	1.4%
McPherson	0	0	3	1	0	0	0	0	4	0	0	17	6	0	0	0	0	0	0	22	0.3%
Marshall	9	0	8	0	0	0	0	0	17	51	0	45	0	0	0	0	0	6	96	1.1%	
Meade	26	1	17	2	7	0	3	1	57	146	6	96	11	39	0	17	5	96	0	320	3.6%
Mellette	1	1	3	1	1	0	1	0	8	6	6	17	6	6	0	6	0	0	0	45	0.5%
Miner	4	0	9	0	0	0	0	0	13	22	0	51	0	0	0	0	0	6	0	73	0.8%
Moody	12	1	6	2	0	0	1	0	22	67	6	34	11	0	0	6	0	0	0	124	1.4%
Perkins	4	0	7	0	2	0	1	0	14	22	0	39	0	11	0	6	0	6	0	79	0.9%
Potter	5	0	3	0	0	0	0	1	9	28	0	17	0	0	0	0	5	0	0	50	0.6%
Roberts	11	0	8	0	0	0	0	0	19	62	0	45	0	0	0	0	0	0	0	107	1.2%
Sanborn	8	1	10	1	1	0	0	0	21	45	6	56	6	6	0	0	0	0	0	118	1.3%
Spink	20	0	5	2	0	0	1	0	28	112	0	28	11	0	0	6	0	0	0	157	1.8%
Stanley	3	0	3	1	3	0	4	0	14	17	0	17	6	17	0	22	0	6	0	79	0.9%
Sully	3	0	1	0	1	0	0	1	6	17	0	6	0	6	0	0	5	0	0	34	0.4%
Tripp	6	0	8	1	1	0	0	0	16	34	0	45	6	6	0	0	0	0	0	90	1.0%
Turner	8	0	3	0	0	0	0	0	11	45	0	17	0	0	0	0	0	0	0	62	0.7%
Union	19	2	19	4	0	0	0	0	44	107	12	107	23	0	0	0	0	0	0	248	2.8%
Walworth	2	1	4	1	0	1	0	0	9	11	6	22	6	0	5	0	0	6	0	51	0.6%
Ziebach	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0%
Shannon	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0%
Todd	2	0	0	0	0	0	0	0	2	11	0	0	0	0	0	0	0	0	0	11	0.1%
Unknown	16	4	16	2	2	0	1	0	41												
<b>TOTALS</b>	<b>699</b>	<b>72</b>	<b>644</b>	<b>78</b>	<b>86</b>	<b>3</b>	<b>42</b>	<b>6</b>	<b>1,630</b>	<b>3,833</b>	<b>395</b>	<b>3,532</b>	<b>428</b>	<b>472</b>	<b>16</b>	<b>230</b>	<b>33</b>	<b>854</b>	<b>62</b>	<b>8,939</b>	

Any by county projected harvest values will differ from by unit projected harvest values due to incorrect sampling proportions within counties.  
 Use these figures for approximations only!

## Archery Deer 1975-2009



# YOUTH DEER

There were 6,847 single-tag antlerless licenses issued for the 2009 Youth Deer hunting season (6,273 resident, 574 nonresident). Approximately 63% of hunters were sampled and 2,227 responses (75%) were received. Approximately 43% of responding hunters used the Internet response site.

The Youth season ran from September 12, 2009 through January 31, 2010, a total of 142 days. Respondents reported hunting an average of 5.72 days each, which projected to 27,101 recreation days for the season.

Projections for the season estimated that a total of 387 whitetail bucks, 2,391 whitetail does, 66 mule deer bucks, and 491 mule deer does were harvested. The total harvest for the Youth Deer season was 3,336, and the overall success rate was 49%. The five counties with the highest reported harvest were Pennington, Charles Mix, Lawrence, Custer, and Brown. Projected harvest for the Black Hills region was 562 deer.

The average satisfaction rating for those responding (1 being very dissatisfied and 7 very satisfied) was 5.22.

## Comparison of the 1997 - 2009 Youth Deer hunting seasons

YEAR	Licenses Sold	Harvest				Total	Success	Avg Days Hunted	Average Satisfctn
		Bucks		Does					
		WT	Mule	WT	Mule				
1997	2,210	167	37	811	237	1,252	57%	NA	5.40
1998	2,321	217	20	860	185	1,371	56%	4.13	5.16
1999	2,490	224	26	862	227	1,339	54%	4.04	5.20
2000	2,609	288	11	1,026	180	1,505	58%	3.42	5.36
2001	2,662	251	25	974	211	1,461	55%	3.76	5.39
2002	2,767	198	16	1,031	245	1,490	54%	3.96	5.48
2003	3,256	264	30	1,234	243	1,771	54%	4.05	5.48
2004	3,119	195	25	998	210	1,428	45%	4.13	5.36
2005	3,525	363	36	1,330	246	1,975	56%	3.67	5.42
2006	3,762	228	34	1,204	276	1,742	46%	4.72	5.01
2007	4,670	296	42	1,612	389	2,339	50%	5.39	5.35
2008	7,800	558	76	3,081	558	4,274	55%	6.36	5.45
2009	6,847	387	66	2,391	491	3,336	49%	5.72	5.22

## 2009 Youth Deer Hunting Harvest Projections

Last Revised: 30-Apr-10

Unit/Type	Hunters	Licenses					% Sampled	Response Rate	Unit/Subunit	Harvest Projections						Total Deer Harvest	Average Satisfaction Score **	Avg Days Hunted
		Resident		Nonresident		Whitetail				Mule Deer								
		Available	Sold	Available	Sold	Bucks				Does	Doe Fawns	Bucks	Does	Doe Fawns				
ST1-03	4,738	Unlimited	6,273	unlimited	574	63%	75%	#	49%	387	2,036	355	66	438	53	3,336	5.22	5.72

# Harvest projections were developed for units where response rate was less than 85% and may not be within +/- 15% of the sample statistic.

\*\* Refers to a satisfaction scale of 1=very dissatisfied to 7=very satisfied.

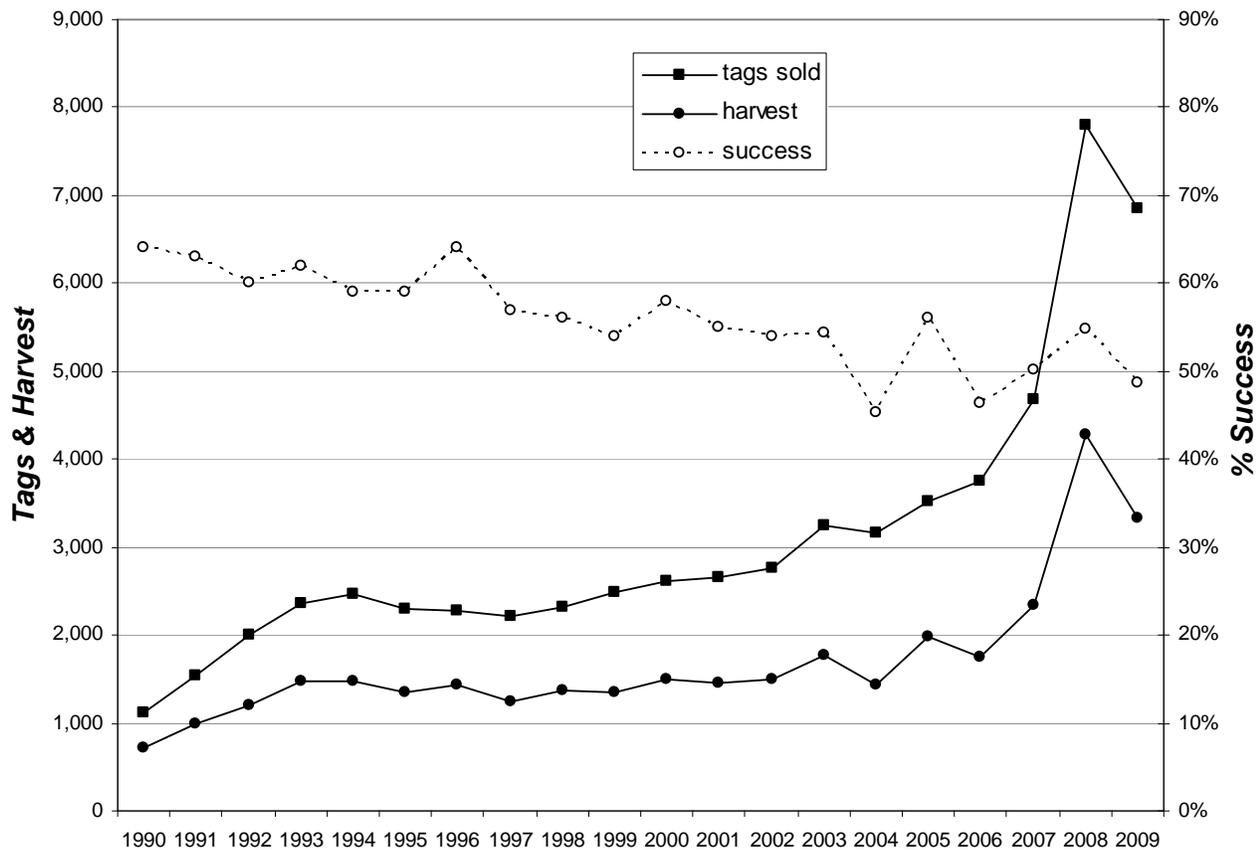
South Dakota Game Report No 2010-01 - 2009 Big Game Harvest Projections  
 Corey Huxoll

## 2009 Youth Deer Harvest Distribution by County Hunted Most

County	Reported Harvest							Projected Harvest							Black Hills		Total	
	Whitetail			Mule Deer				Whitetail			Mule Deer							
	Bucks		Does	Fawn	Bucks	Does		Fawn	Total	Bucks		Does	Fawn	Bucks	Does			
	Fawn	Adult	Adult			Adult	Fawn			Fawn	Adult	Adult			Adult	Fawn	Adult	Fawn
Minnehaha	6	23	6	1	2	1	39	13	50	13	2	5	2	2	86	2.6%		
Pennington	8	81	7	2	33	0	131	18	177	16	4	75	0	216	289	8.7%		
Brown	4	41	5	0	3	0	53	9	90	11	0	7	0	7	116	3.5%		
Beadle	4	12	5	0	0	0	21	9	26	11	0	0	0	0	46	1.4%		
Codington	2	27	4	0	1	0	34	4	59	9	0	2	0	2	75	2.2%		
Brookings	5	20	2	0	0	0	27	11	44	4	0	0	0	2	59	1.8%		
Yankton	7	21	6	0	0	0	34	15	46	13	0	0	0	0	75	2.2%		
Davison	3	15	1	0	2	0	21	7	33	2	0	5	0	4	46	1.4%		
Lawrence	4	46	1	1	9	0	61	9	101	2	2	20	0	103	134	4.0%		
Aurora	5	17	1	0	0	0	23	11	37	2	0	0	0	0	50	1.5%		
Bennett	1	2	0	1	0	0	4	2	4	0	2	0	0	0	9	0.3%		
Bon Homme	4	20	6	0	2	0	32	9	44	13	0	5	0	0	70	2.1%		
Brule	3	8	2	2	5	0	20	7	17	4	4	11	0	0	44	1.3%		
Buffalo	0	1	0	0	0	0	1	0	2	0	0	0	0	0	2	0.1%		
Butte	4	12	2	2	10	0	30	9	26	4	4	23	0	20	66	2.0%		
Campbell	0	3	0	0	0	0	3	0	7	0	0	0	0	0	7	0.2%		
Charles Mix	7	45	5	3	11	2	73	15	98	11	7	25	5	2	161	4.8%		
Clark	2	11	0	1	2	0	16	4	24	0	2	5	0	0	35	1.1%		
Clay	6	10	0	0	0	0	16	13	22	0	0	0	0	0	35	1.0%		
Corson	0	3	2	0	0	0	5	0	7	4	0	0	0	0	11	0.3%		
Custer	2	37	2	3	13	1	58	4	81	4	7	29	2	108	128	3.8%		
Day	4	29	3	0	1	0	37	9	63	7	0	2	0	0	81	2.4%		
Deuel	4	9	0	0	0	0	13	9	20	0	0	0	0	0	28	0.9%		
Dewey	0	3	2	0	2	1	8	0	7	4	0	5	2	0	18	0.5%		
Douglas	0	14	0	0	0	0	14	0	31	0	0	0	0	0	31	0.9%		
Edmunds	1	15	3	0	0	0	19	2	33	7	0	0	0	2	42	1.2%		
Fall River	2	5	0	0	10	1	18	4	11	0	0	23	2	13	40	1.2%		
Faulk	4	4	1	0	0	1	10	9	9	2	0	0	2	0	22	0.7%		
Grant	2	22	11	0	0	0	35	4	48	24	0	0	0	0	77	2.3%		
Gregory	7	19	4	3	3	0	36	15	42	9	7	7	0	0	79	2.4%		
Haakon	0	3	0	0	5	1	9	0	7	0	0	11	2	0	20	0.6%		
Hamlin	5	20	5	0	1	0	31	11	44	11	0	2	0	0	68	2.0%		
Hand	3	12	2	0	0	0	17	7	26	4	0	0	0	0	37	1.1%		
Hanson	2	12	7	0	1	0	22	4	26	16	0	2	0	0	48	1.5%		
Harding	0	4	1	2	5	2	14	0	9	2	4	11	5	4	31	0.9%		
Hughes	0	6	2	0	4	0	12	0	13	4	0	9	0	0	27	0.8%		
Hutchinson	4	14	2	0	1	0	21	9	31	4	0	2	0	2	46	1.4%		
Hyde	1	2	0	0	1	1	5	2	4	0	0	2	2	0	11	0.3%		
Jackson	1	2	1	0	8	1	13	2	4	2	0	18	2	0	29	0.9%		
Jerauld	0	6	1	0	1	0	8	0	13	2	0	2	0	0	18	0.5%		
Jones	0	0	0	1	3	0	4	0	0	0	2	7	0	0	9	0.3%		
Kingsbury	1	9	2	0	0	0	12	2	20	4	0	0	0	0	26	0.8%		
Lake	2	16	2	0	0	0	20	4	35	4	0	0	0	0	44	1.3%		
Lincoln	7	14	2	1	1	0	25	15	31	4	2	2	0	2	55	1.6%		
Lyman	0	9	3	0	6	4	22	0	20	7	0	14	9	0	49	1.5%		
McCook	4	20	6	1	1	0	32	9	44	13	2	2	0	0	70	2.1%		
McPherson	1	10	2	0	0	0	13	2	22	4	0	0	0	0	28	0.9%		
Marshall	4	18	3	0	0	0	25	9	39	7	0	0	0	4	55	1.6%		
Meade	3	25	4	0	3	0	35	7	55	9	0	7	0	48	77	2.3%		
Mellette	0	6	1	1	8	1	17	0	13	2	2	18	2	0	38	1.1%		
Miner	4	12	1	0	1	0	18	9	26	2	0	2	0	4	39	1.2%		
Moody	0	15	1	0	1	0	17	0	33	2	0	2	0	0	37	1.1%		
Perkins	1	10	6	0	9	0	26	2	22	13	0	20	0	7	58	1.7%		
Potter	0	3	1	0	1	1	6	0	7	2	0	2	2	0	13	0.4%		
Roberts	10	27	4	0	1	0	42	22	59	9	0	2	0	2	92	2.8%		
Sanborn	1	12	2	0	2	0	17	2	26	4	0	5	0	0	37	1.1%		
Spink	5	12	7	0	0	0	24	11	26	16	0	0	0	0	53	1.6%		
Stanley	1	9	2	0	11	3	26	2	20	4	0	25	7	0	58	1.7%		
Sully	3	9	2	1	1	0	16	7	20	4	2	2	0	0	35	1.1%		
Tripp	3	6	1	2	6	1	19	7	13	2	4	14	2	2	42	1.3%		
Turner	5	6	1	0	0	0	12	11	13	2	0	0	0	0	26	0.8%		
Union	4	17	4	0	0	0	25	9	37	9	0	0	0	0	55	1.6%		
Walworth	0	7	1	2	3	1	14	0	15	2	4	7	2	2	31	0.9%		
Ziebach	0	2	0	0	0	0	2	0	4	0	0	0	0	0	4	0.1%		
Shannon	0	1	0	0	0	0	1	0	2	0	0	0	0	0	2	0.1%		
Todd	1	0	0	0	0	0	1	2	0	0	0	0	0	0	2	0.1%		
Unknown	5	26	7	1	12	2	53											
<b>TOTALS</b>	<b>182</b>	<b>957</b>	<b>167</b>	<b>31</b>	<b>206</b>	<b>25</b>	<b>1,568</b>	<b>387</b>	<b>2,036</b>	<b>355</b>	<b>66</b>	<b>438</b>	<b>53</b>	<b>562</b>	<b>3,336</b>			

Any by county projected harvest values will differ from by unit projected harvest values due to incorrect sampling proportions within counties.  
 Use these figures for approximations only!

## Youth Deer 1990-2009



## **MENTORED YOUTH DEER**

There were 1,627 resident single-tag antlerless licenses issued for the 2009 Mentored Youth Deer hunting season. All mentors/hunters with addresses were sampled and 1,218 responses (75%) were received. Approximately 28% of responding mentors/hunters used the Internet response site.

The Mentored Youth licenses were valid during the Youth Deer season which ran from September 12, 2009 through January 31, 2010, a total of 142 days. Respondents reported hunting an average of 4.02 days each, which projected to 6,541 recreation days for the season.

Projections for the season estimated that a total of 132 whitetail bucks, 624 whitetail does, 16 mule deer bucks, and 164 mule deer does were harvested. The total harvest for the Mentored Youth Deer season was 936, and the overall success rate was 58%. The four counties with the highest reported harvest were Pennington, Yankton, Meade, and Lawrence.

The average satisfaction rating for those responding (1 being very dissatisfied and 7 very satisfied) was 5.78.

### Summary for the 2008-2009 Mentored Youth Deer hunting seasons

YEAR	Licenses Sold	Harvest						Success	Avg Days Hunted	Average Satisfctn
		Bucks		Does		Total				
		WT	Mule	WT	Mule					
2008	1,110	79	13	489	106	687	62%	4.09	6.02	
2009	1,627	132	16	624	164	936	58%	4.02	5.78	

### 2009 Mentored Youth Deer Harvest Projections

Last Revised: 3-May-10		Harvest Projections													
Unit/Type	Licenses				Response Rate	Unit/Subunit Success	Whitetail			Mule Deer			Total Deer Harvest	Average Satisfaction Score **	Avg Days Hunted
	Resident		Nonresident				Bucks	Does	Doe Fawns	Bucks	Does	Doe Fawns			
	Available	Sold	Available	Sold											
ST1-03	Unlimited	1,627	0	0	75% #	58%	132	517	107	16	144	20	936	5.78	4.02

# Harvest projections were developed for units where response rate was less than 85% and may not be within +/- 15% of the sample statistic.

\*\* Refers to a satisfaction scale of 1=very dissatisfied to 7=very satisfied.

## 2009 Mentored Youth Deer Distribution by County Hunted Most

County	Reported Harvest							Projected Harvest							Total	
	Whitetail			Mule Deer				Whitetail			Mule Deer					
	Bucks	Does	Fawn	Bucks	Does	Fawn	Total	Bucks	Does	Fawn	Bucks	Does	Fawn	Estimate	%	
	Fawn	Adult	Fawn	Fawn	Adult	Fawn		Fawn	Adult	Fawn	Fawn	Adult	Fawn			
Minnehaha	11	8	1	0	1	0	21	15	11	1	0	1	0	28	3.0%	
Pennington	5	38	3	1	10	1	58	7	51	4	1	13	1	78	8.4%	
Brown	2	12	0	0	0	0	14	3	16	0	0	0	0	19	2.0%	
Beadle	3	12	3	0	0	0	18	4	16	4	0	0	0	24	2.6%	
Codington	2	5	1	0	0	0	8	3	7	1	0	0	0	11	1.2%	
Brookings	2	9	2	0	0	0	13	3	12	3	0	0	0	18	1.9%	
Yankton	6	24	5	0	0	1	36	8	32	7	0	0	1	49	5.2%	
Davison	0	5	1	0	0	0	6	0	7	1	0	0	0	8	0.9%	
Lawrence	2	17	4	0	3	0	26	3	23	5	0	4	0	35	3.7%	
Aurora	5	7	1	0	0	0	13	7	9	1	0	0	0	18	1.9%	
Bennett	0	1	1	2	5	0	9	0	1	1	3	7	0	12	1.3%	
Bon Homme	1	13	1	0	0	0	15	1	18	1	0	0	0	20	2.2%	
Brule	3	7	2	0	1	0	13	4	9	3	0	1	0	18	1.9%	
Buffalo	0	1	0	0	1	0	2	0	1	0	0	1	0	3	0.3%	
Butte	1	5	0	1	4	0	11	1	7	0	1	5	0	15	1.6%	
Campbell	0	1	0	0	0	0	1	0	1	0	0	0	0	1	0.1%	
Charles Mix	1	13	1	1	5	0	21	1	18	1	1	7	0	28	3.0%	
Clark	1	2	0	0	0	0	3	1	3	0	0	0	0	4	0.4%	
Clay	1	3	2	0	0	0	6	1	4	3	0	0	0	8	0.9%	
Corson	1	3	1	0	2	0	7	1	4	1	0	3	0	9	1.0%	
Custer	3	11	1	0	5	0	20	4	15	1	0	7	0	27	2.9%	
Day	1	9	3	0	0	0	13	1	12	4	0	0	0	18	1.9%	
Deuel	1	5	1	0	0	0	7	1	7	1	0	0	0	9	1.0%	
Dewey	0	1	0	0	2	0	3	0	1	0	0	3	0	4	0.4%	
Douglas	3	8	0	0	0	0	11	4	11	0	0	0	0	15	1.6%	
Edmunds	1	3	0	0	0	0	4	1	4	0	0	0	0	5	0.6%	
Fall River	1	4	0	0	11	5	21	1	5	0	0	15	7	28	3.0%	
Faulk	0	2	0	0	1	0	3	0	3	0	0	1	0	4	0.4%	
Grant	1	5	2	0	0	0	8	1	7	3	0	0	0	11	1.2%	
Gregory	1	10	2	0	1	1	15	1	13	3	0	1	1	20	2.2%	
Haakon	0	1	1	2	5	2	11	0	1	1	3	7	3	15	1.6%	
Hamlin	2	5	3	0	0	0	10	3	7	4	0	0	0	13	1.4%	
Hand	1	3	1	0	3	0	8	1	4	1	0	4	0	11	1.2%	
Hanson	2	7	1	0	0	0	10	3	9	1	0	0	0	13	1.4%	
Harding	1	3	0	1	7	1	13	1	4	0	1	9	1	18	1.9%	
Hughes	1	3	0	0	0	0	4	1	4	0	0	0	0	5	0.6%	
Hutchinson	3	5	2	0	0	0	10	4	7	3	0	0	0	13	1.4%	
Hyde	1	1	2	0	0	0	4	1	1	3	0	0	0	5	0.6%	
Jackson	1	1	0	0	3	1	6	1	1	0	0	4	1	8	0.9%	
Jerauld	1	2	0	0	0	0	3	1	3	0	0	0	0	4	0.4%	
Jones	0	0	1	0	2	1	4	0	0	1	0	3	1	5	0.6%	
Kingsbury	2	6	0	0	0	0	8	3	8	0	0	0	0	11	1.2%	
Lake	1	9	2	0	0	0	12	1	12	3	0	0	0	16	1.7%	
Lincoln	2	5	2	0	0	0	9	3	7	3	0	0	0	12	1.3%	
Lyman	0	4	0	0	5	0	9	0	5	0	0	7	0	12	1.3%	
McCook	1	4	1	0	0	0	6	1	5	1	0	0	0	8	0.9%	
McPherson	0	4	1	0	0	0	5	0	5	1	0	0	0	7	0.7%	
Marshall	0	4	2	0	0	0	6	0	5	3	0	0	0	8	0.9%	
Meade	5	13	8	1	7	1	35	7	18	11	1	9	1	47	5.0%	
Mellette	1	2	1	0	2	0	6	1	3	1	0	3	0	8	0.9%	
Miner	1	2	1	0	0	0	4	1	3	1	0	0	0	5	0.6%	
Moody	1	3	0	0	0	0	4	1	4	0	0	0	0	5	0.6%	
Perkins	0	3	1	1	6	0	11	0	4	1	1	8	0	15	1.6%	
Potter	1	2	0	0	2	0	5	1	3	0	0	3	0	7	0.7%	
Roberts	2	8	1	0	0	0	11	3	11	1	0	0	0	15	1.6%	
Sanborn	0	6	0	0	0	0	6	0	8	0	0	0	0	8	0.9%	
Spink	1	6	4	0	0	0	11	1	8	5	0	0	0	15	1.6%	
Stanley	1	2	0	1	6	1	11	1	3	0	1	8	1	15	1.6%	
Sully	1	3	2	0	1	0	7	1	4	3	0	1	0	9	1.0%	
Tripp	1	10	1	1	6	0	19	1	13	1	1	8	0	26	2.7%	
Turner	1	1	0	0	0	0	2	1	1	0	0	0	0	3	0.3%	
Union	2	5	1	0	0	0	8	3	7	1	0	0	0	11	1.2%	
Walworth	2	5	1	0	0	0	8	3	7	1	0	0	0	11	1.2%	
Ziebach	0	0	2	0	0	0	2	0	0	3	0	0	0	3	0.3%	
Shannon	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0%	
Todd	0	1	0	0	0	0	1	0	1	0	0	0	0	1	0.1%	
Unknown	1	4	0	0	1	0	6									
<b>TOTALS</b>	<b>99</b>	<b>387</b>	<b>80</b>	<b>12</b>	<b>108</b>	<b>15</b>	<b>701</b>	<b>132</b>	<b>517</b>	<b>107</b>	<b>16</b>	<b>144</b>	<b>20</b>	<b>936</b>		

Any by county projected harvest values will differ from by unit projected harvest values due to incorrect sampling proportions within counties.  
 Use these figures for approximations only!

# MUZZLELOADER DEER

There were 4,752 antlerless deer licenses (4,391 resident, 361 nonresident) and 1,015 “any deer” licenses issued for the 2009 Muzzleloader Deer season, which represented a total of 7,549 tags. A survey sample of 2,593 hunters (50%) was taken and 2,248 responded for a response rate of 87%. Approximately 61% of muzzleloader hunters used the Internet response system.

The 2009 Muzzleloader season was open 52 days from December 12, 2009 through January 31, 2010. From Jan. 1-31, all “any deer” tags converted to “antlerless deer” tags. This was the fifth year that “any deer” licenses were available for the muzzleloader season. The number of “any deer” licenses available was increased to 1,000 in 2008. A total of 5,200 applications were received for those licenses. Respondents averaged 4.49 days of hunting for a projected total of 23,276 recreation days for the season.

The estimated harvest for the Muzzleloader season was 2,553 deer (461 whitetail bucks, 1,786 whitetail does, 88 mule deer bucks, and 327 mule deer does). The overall success rate for the muzzleloader season was 34% and average satisfaction was 4.87 (1 = very dissatisfied, 7 = very satisfied).

The five counties with the highest reported harvest were Pennington, Custer, Yankton, Brookings, and Meade. These five counties accounted for approximately 26% of the total statewide harvest. Approximately 269 deer, just over 10% of the statewide harvest, were harvested within the Black Hills area.

## Summary comparison of the 1999-2009 Muzzleloader Deer seasons

YEAR	Licenses Sold		Harvest				Total	Success	Avg Days Hunted	Average Satisfctn
			Bucks		Does					
	Res	Nonres	WT	Mule	WT	Mule				
1999	1,652	NA	99	19	275	97	490	30%	4.04	4.63
2000	1,824	NA	150	13	467	99	729	40%	2.83	5.04
2001	2,644	24	168	32	686	177	1,063	37%	4.98	5.29
2002	3,118	31	194	13	828	209	1,244	35%	5.29	5.33
2003	3,307	59	184	23	974	249	1,430	36%	5.18	5.25
2004	3,142	80	141	21	901	181	1,244	33%	5.10	5.22
2005	4,052	171	413	54	1,756	273	2,496	39%	5.51	5.53
2006	4,687	248	346	57	1,605	385	2,393	32%	5.88	4.95
2007	4,899	284	444	66	1,928	402	2,840	36%	5.38	4.91
2008	5,520	336	600	156	2,436	502	3,693	43%	5.38	5.03
2009	5,406	361	461	88	1,786	327	2,553	34%	4.49	4.87

## 2009 Muzzleloader Deer Harvest Projections

Unit		Harvest Projections													Mean Satisfaction Score	Average Days Hunted		
		Licenses Available		Licenses Sold		Tags sold	Response Rate	Tag Success	Whitetail		Mule Deer		Total Deer Harvest					
		Hunters	Available	Resident	Nonresident				Bucks	Does	Bucks	Does						
Statewide	5,184	unlimtd	5,406	361	7,549	87%	34%	164	297	1,437	249	53	25	304	23	2,553	4.87	4.49

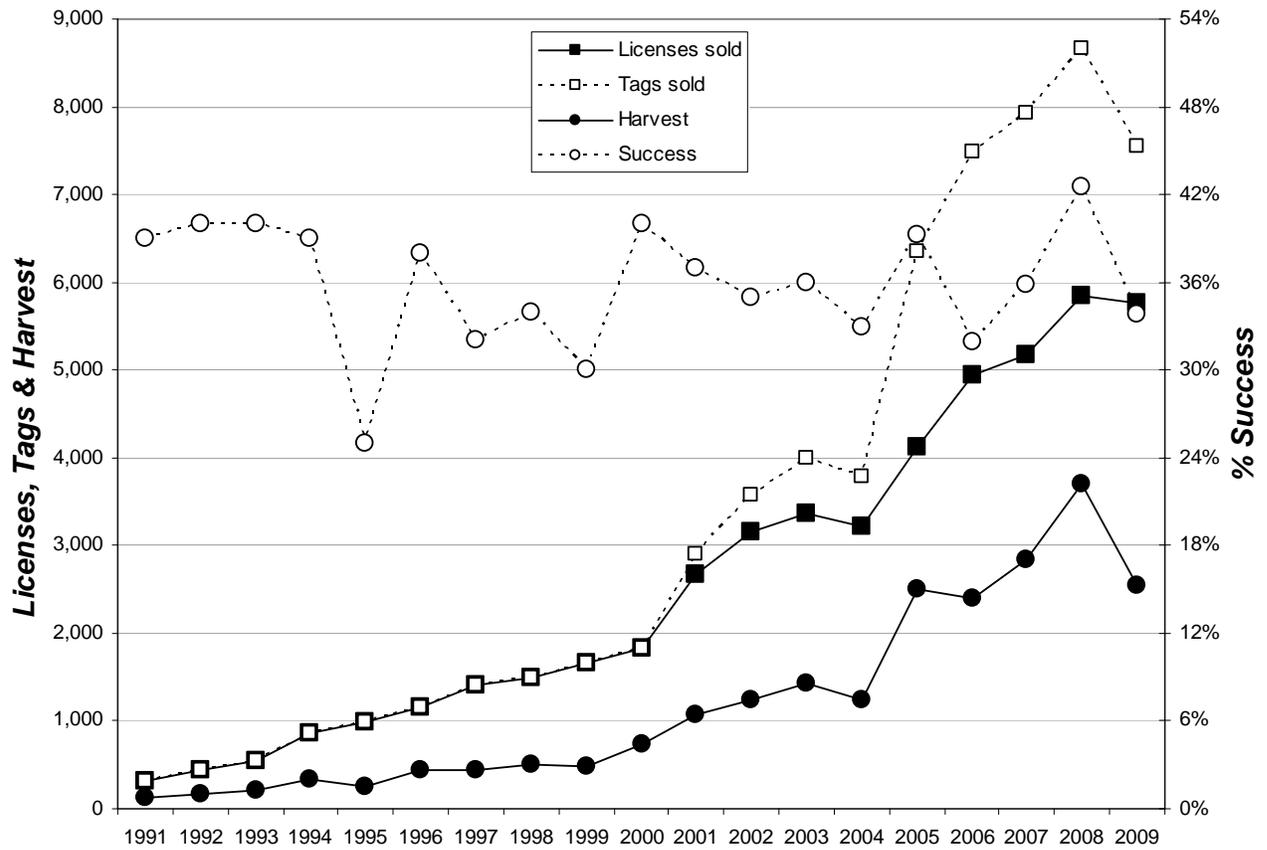
South Dakota Game Report No 2010-01 - 2009 Big Game Harvest Projections  
 Corey Huxoll

**2009 Muzzleloader Deer Harvest Distribution by County Hunted Most**

County	Reported Harvest									Projected Harvest									Black Hills Estimate	Total Estimate	%
	Whitetail				Mule Deer				Total	Whitetail				Mule Deer							
	Bucks		Does		Bucks		Does			Bucks		Does		Bucks		Does					
	Adult	Fawn	Adult	Fawn	Adult	Fawn	Adult	Fawn		Adult	Fawn	Adult	Fawn	Adult	Fawn	Adult	Fawn				
Minnehaha	4	5	20	2	0	0	1	0	32	10	12	48	5	0	0	2	0	0	77	3.0%	
Pennington	4	6	49	2	1	2	17	3	84	10	14	119	5	3	5	41	8	107	204	8.0%	
Brown	0	5	22	4	0	0	0	0	31	0	12	53	10	0	0	0	0	0	75	2.9%	
Beadle	2	3	20	4	0	0	0	0	29	5	7	48	10	0	0	0	0	0	70	2.7%	
Codington	2	0	4	0	0	0	0	0	6	5	0	10	0	0	0	0	0	0	15	0.6%	
Brookings	1	5	28	7	0	0	1	1	43	2	12	68	17	0	0	2	3	0	104	4.1%	
Yankton	4	15	28	5	0	2	0	0	54	10	36	68	12	0	5	0	0	0	130	5.1%	
Davison	1	1	11	2	0	0	0	0	15	2	2	27	5	0	0	0	0	0	36	1.4%	
Lawrence	1	0	6	1	0	0	3	0	11	2	0	15	2	0	0	7	0	22	27	1.0%	
Aurora	2	3	13	0	0	0	1	0	19	5	7	31	0	0	0	2	0	0	46	1.8%	
Bennett	1	0	4	0	1	0	3	0	9	2	0	10	0	3	0	7	0	2	22	0.9%	
Bon Homme	3	7	13	4	0	0	0	0	27	7	17	31	10	0	0	0	0	0	65	2.6%	
Brule	0	1	11	4	0	1	4	0	21	0	2	27	10	0	2	10	0	0	51	2.0%	
Buffalo	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0%	
Butte	1	0	3	1	0	0	0	0	5	2	0	7	2	0	0	0	0	2	12	0.5%	
Campbell	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	2	0	0	2	0.1%	
Charles Mix	5	3	18	2	3	0	3	1	35	12	7	44	5	8	0	7	3	0	85	3.3%	
Clark	2	2	5	2	0	0	0	0	11	5	5	12	5	0	0	0	0	0	27	1.0%	
Clay	1	2	10	2	0	0	0	0	15	2	5	24	5	0	0	0	0	0	36	1.4%	
Corson	1	0	1	0	0	0	3	0	5	2	0	2	0	0	0	7	0	0	12	0.5%	
Custer	2	3	30	4	2	1	9	1	52	5	7	73	10	5	2	22	3	90	126	4.9%	
Day	2	2	14	5	0	0	3	0	26	5	5	34	12	0	0	7	0	0	63	2.5%	
Deuel	0	2	13	1	0	0	0	0	16	0	5	31	2	0	0	0	0	0	39	1.5%	
Dewey	1	0	0	0	1	0	0	0	2	2	0	0	0	3	0	0	0	0	5	0.2%	
Douglas	0	1	4	0	0	0	0	0	5	0	2	10	0	0	0	0	0	2	12	0.5%	
Edmunds	1	0	9	8	0	0	0	0	18	2	0	22	19	0	0	0	0	0	44	1.7%	
Fall River	0	3	10	0	0	0	6	0	19	0	7	24	0	0	0	15	0	5	46	1.8%	
Faulk	1	0	2	0	0	0	0	0	3	2	0	5	0	0	0	0	0	0	7	0.3%	
Grant	0	3	10	2	0	0	0	0	15	0	7	24	5	0	0	0	0	0	36	1.4%	
Gregory	0	4	17	3	0	0	7	0	31	0	10	41	7	0	0	17	0	2	75	2.9%	
Haakon	0	0	3	0	2	0	4	0	9	0	0	7	0	5	0	10	0	0	22	0.9%	
Hamiin	0	2	14	3	0	0	0	0	19	0	5	34	7	0	0	0	0	0	46	1.8%	
Hand	2	0	5	1	0	0	2	0	10	5	0	12	2	0	0	5	0	0	24	0.9%	
Hanson	0	1	6	0	0	0	0	0	7	0	2	15	0	0	0	0	0	0	17	0.7%	
Harding	1	0	3	0	1	0	1	0	6	2	0	7	0	3	0	2	0	0	15	0.6%	
Hughes	1	1	1	0	0	0	1	0	4	2	2	2	0	0	0	2	0	0	10	0.4%	
Hutchinson	1	4	8	0	0	0	0	0	13	2	10	19	0	0	0	0	0	0	31	1.2%	
Hyde	0	1	2	0	0	0	0	0	3	0	2	5	0	0	0	0	0	0	7	0.3%	
Jackson	0	1	2	0	1	0	4	0	8	0	2	5	0	3	0	10	0	0	20	0.8%	
Jerauld	1	1	3	0	0	0	1	0	6	2	2	7	0	0	0	2	0	0	15	0.6%	
Jones	0	0	2	0	1	0	1	1	5	0	0	5	0	3	0	2	3	0	12	0.5%	
Kingsbury	0	3	16	4	0	0	0	0	23	0	7	39	10	0	0	0	0	2	56	2.2%	
Lake	0	2	4	1	0	0	0	0	7	0	5	10	2	0	0	0	0	0	17	0.7%	
Lincoln	4	2	11	0	0	0	0	0	17	10	5	27	0	0	0	0	0	0	41	1.6%	
Lyman	1	2	5	3	0	0	10	1	22	2	5	12	7	0	0	24	3	0	53	2.1%	
McCook	0	1	6	0	0	0	0	0	7	0	2	15	0	0	0	0	0	0	17	0.7%	
McPherson	0	1	3	2	0	0	0	0	6	0	2	7	5	0	0	0	0	0	15	0.6%	
Marshall	0	2	9	2	0	0	0	0	13	0	5	22	5	0	0	0	0	0	31	1.2%	
Meade	1	3	21	4	2	0	11	0	42	2	7	51	10	5	0	27	0	15	102	4.0%	
Mellette	0	4	9	2	1	1	2	1	20	0	10	22	5	3	2	5	3	0	49	1.9%	
Miner	2	0	11	2	1	0	0	0	16	5	0	27	5	3	0	0	0	5	39	1.5%	
Moody	2	1	7	1	0	0	0	0	11	5	2	17	2	0	0	0	0	2	27	1.0%	
Perkins	0	1	6	0	2	0	3	0	12	0	2	15	0	5	0	7	0	5	29	1.1%	
Potter	0	0	3	0	0	0	0	0	3	0	0	7	0	0	0	0	0	0	7	0.3%	
Roberts	2	5	11	3	0	0	0	0	21	5	12	27	7	0	0	0	0	0	51	2.0%	
Sanborn	0	0	5	1	0	0	0	0	6	0	0	12	2	0	0	0	0	0	15	0.6%	
Spink	1	3	18	4	0	0	0	0	26	2	7	44	10	0	0	0	0	0	63	2.5%	
Stanley	0	1	1	1	1	2	12	0	18	0	2	2	2	3	5	29	0	0	44	1.7%	
Sully	4	0	3	0	1	0	0	0	8	10	0	7	0	3	0	0	0	0	19	0.8%	
Tripp	1	0	1	0	0	0	8	0	10	2	0	2	0	0	0	19	0	0	24	1.0%	
Turner	0	0	4	0	0	0	0	0	4	0	0	10	0	0	0	0	0	2	10	0.4%	
Union	1	5	15	4	0	0	0	0	25	2	12	36	10	0	0	0	0	5	60	2.4%	
Walworth	1	0	0	0	0	1	1	0	3	2	0	0	0	0	2	2	0	0	7	0.3%	
Ziebach	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0%	
Shannon	0	0	0	0	0	0	2	0	2	0	0	0	0	0	0	5	0	0	5	0.2%	
Todd	0	1	0	0	0	1	0	0	2	0	2	0	0	0	2	0	0	0	5	0.2%	
Unknown	3	5	30	5	2	0	7	1	53												
<b>TOTALS</b>	<b>71</b>	<b>129</b>	<b>623</b>	<b>108</b>	<b>23</b>	<b>11</b>	<b>132</b>	<b>10</b>	<b>1,107</b>	<b>164</b>	<b>297</b>	<b>1,437</b>	<b>249</b>	<b>53</b>	<b>25</b>	<b>304</b>	<b>23</b>	<b>269</b>	<b>2,553</b>		

Any by county projected harvest values will differ from by unit projected harvest values due to incorrect sampling proportions within counties.  
 Use these figures for approximations only!

### Muzzleloader Deer 1991-2009



## **WEST RIVER FIREARM DEER**

There were 31,390 licenses issued for the 2009 West River Firearm Deer season (28,596 regular, 1,000 Special Buck and 1,794 Landowner Own Land Only) for a total of 71,745 tags.

The West River season was open 16 days from November 14-29 in most units and from November 7-29 in Corson, Dewey and Ziebach counties. Units 50A in Mellette County and 30A in Gregory County were open from Nov. 7-10 and 23-29, while units 50B and 30B were open from Nov. 14-29. The season was also open from Dec. 26 – Jan. 3 for all unfilled and unsold antlerless deer tags. Beginning December 26, all unused and unsold tags for “any deer” and “any whitetail” converted to their respective antlerless tags. All antlerless tags were also valid during the Firearm Antelope season (October 3-18) in their respective units. Significant changes from 2008 included combining units 60A and 60B to form one unit 60A. Several units also added a 3-tag deer license option.

A random sample of 12,103 hunters was taken from the regular West River season, 1,781 from the Landowner Own Land Only licenses, and 499 from the Special Buck licenses. The overall response rates for the seasons were 82% for the regular West River Deer, 77% for landowner West River Deer and 85% for Special Buck. Of all responding hunters, 52% of regular West River, 29% of landowner on own land and 31% of Special Buck hunters responded over the Internet.

Respondents reported hunting an average of 3.53 days in the regular West River season, 3.86 days for landowner and 3.56 days in the Special Buck. These averages projected to a total of 103,631 recreation days for all West River deer seasons. Hunters reported harvesting approximately 5% of their deer during the Firearm Antelope season, 88% during the regular season, and 7% during December 26 - January 3.

The West River projected deer harvest was 32,569 for the regular season, 1,545 for landowner on own land, and 748 for the Special Buck licenses. Success rates were 48% for the regular season, 52% for landowner and 75% for Special Buck.

Success for the regular West River season “any deer and any antlerless deer” and “any whitetail and antlerless whitetail” license 1<sup>st</sup> tags (any) was 63% and for 2<sup>nd</sup> (antlerless only) tags was 39%. Success for “any antlerless deer and any antlerless deer” and “antlerless whitetail and antlerless whitetail” license 1<sup>st</sup> tags was 59% and for 2<sup>nd</sup> tags was 38%. Success for the “any deer and any two antlerless deer” and “any whitetail and two antlerless whitetail” license 1<sup>st</sup> tags (any) was 62%, for 2<sup>nd</sup> (antlerless only) tags was 44%, and for 3<sup>rd</sup> (antlerless only) tags was 22%. Success for “three any antlerless deer” and “three antlerless whitetail” license 1<sup>st</sup> tags was 70%, for 2<sup>nd</sup> tags was 50%, and for 3<sup>rd</sup> tags was 25%.

The mean satisfaction score for those responding to the regular West River season was 5.22 (1 being very dissatisfied and 7 very satisfied).

Summary comparison of the 1999-2009 West River Deer seasons (including Special Buck and Landowner)

YEAR	Licenses Sold				Harvest				Total	Success	Avg Days	Avg Satis
	Resident		Nonres		Bucks		Does					
	Lics	Tags	Lics	Tags	WT	Mule	WT	Mule				
1999	15,803	20,826	1,573	2,554	5,304	3,494	2,685	901	12,384	53%	3.23	4.78
2000	17,826	23,441	1,891	2,451	6,567	4,178	3,450	1,078	15,273	59%	2.91	5.16
2001	20,133	29,525	2,264	3,248	6,588	4,962	3,586	2,145	17,281	53%	3.29	4.99
2002	20,844	32,278	2,463	3,658	6,686	5,109	3,893	2,455	18,143	50%	3.42	5.03
2003	21,601	35,570	2,705	4,367	5,599	5,326	5,188	3,438	19,551	49%	3.49	5.17
2004	22,608	37,845	2,913	4,795	6,266	6,186	5,395	5,134	22,981	52%	3.49	5.10
2005	23,626	39,413	3,126	4,981	6,866	6,640	5,860	5,716	25,082	56%	3.55	5.06
2006	24,872	44,720	3,617	6,273	7,732	7,213	6,563	5,616	27,124	53%	3.72	5.02
2007	26,271	46,805	3,413	6,370	8,138	7,721	7,009	6,232	29,100	55%	3.54	5.19
2008	26,533	48,770	4,064	7,256	8,621	7,560	8,081	6,256	30,518	54%	3.42	5.29
2009	26,999	61,947	4,391	9,798	10,319	7,224	10,036	7,281	34,862	49%	3.55	5.22

South Dakota Game Report No 2010-01 - 2009 Big Game Harvest Projections  
Corey Huxoll

## 2009 West River Deer Harvest Projections

Last Revised:  
23-Apr-10

Unit	Harvest Projections																Total Deer Harvested	Mean Satisfactn Rating	Average Days Hunted	
	Licenses				Tags sold	Response			Whitetail				Mule Deer							
	Resident		Nonresident			Hunters	Rate	Success	Bucks		Does		Bucks		Does					
	Avail.	Sold	Avail.	Sold					Adult	Fawn	Adult	Fawn	Adult	Fawn	Adult	Fawn				
Penn NE / Meade SE	1,000	824	80	143	1,934	881	79%	#	47%	271	11	176	29	256	0	157	8	908	5.27	3.31
Pennington SE	700	638	56	73	1,422	656	85%	#	49%	105	17	69	8	237	25	199	31	692	5.09	3.65
Bennett N	240	192	20	19	633	208	79%	#	48%	49	10	86	9	34	4	92	16	302	5.60	3.35
Bennett S	200	188	16	28	648	214	81%	#	59%	89	27	154	26	38	0	41	4	380	5.82	4.00
Butte	1,900	1,614	152	254	3,736	1,700	79%	#	50%	450	58	561	54	363	25	305	45	1,861	5.08	3.79
Butte SW/ Lawrence	1,100	997	88	112	2,218	1,026	80%	#	48%	391	29	471	37	63	6	63	6	1,066	4.75	4.08
Corson	750	629	60	101	2,190	719	85%	#	50%	320	31	399	60	89	13	173	16	1,101	5.40	3.95
Custer E / Penn S	700	703	56	56	1,518	722	81%	#	54%	185	23	160	25	197	12	211	12	824	5.16	4.22
Custer C / Penn C	450	442	36	39	962	456	84%	#	52%	119	29	155	13	80	7	91	4	498	5.02	4.29
Dewey	500	482	40	59	1,623	518	80%	#	53%	230	24	310	52	81	8	143	20	867	5.63	3.97
Little Moreau	20	23	2	2	50	24	79%	#	81%	13	5	21	1	0	0	0	0	40	6.61	3.21
FRiver NW/ Cust SW	450	448	36	41	870	483	83%	#	50%	65	15	87	13	135	4	112	4	433	4.69	4.10
Fall River	600	601	48	47	1,188	648	84%	#	64%	176	17	85	13	252	6	208	8	764	5.13	3.96
Gregory	2,200	2,082	176	305	4,126	2,089	83%	#	52%	678	120	692	106	249	42	212	28	2,126	5.46	3.30
Haakon	950	840	76	134	2,760	917	82%	#	53%	252	19	246	58	352	29	464	34	1,455	5.61	3.62
Harding NW	1,100	838	88	152	2,970	925	78%	#	33%	219	50	249	47	147	11	213	36	972	4.12	3.08
Harding SW	700	484	56	78	1,686	539	83%	#	30%	104	12	88	14	131	10	127	18	504	4.29	3.35
Harding E	1,600	1,303	128	198	4,503	1,387	82%	#	30%	288	35	295	80	270	14	322	42	1,345	4.10	3.22
Jackson N	600	568	48	81	1,785	613	83%	#	48%	171	23	148	25	197	16	243	29	852	5.07	3.28
Jackson S	300	259	24	34	879	284	80%	#	50%	74	5	95	3	93	6	150	16	442	5.32	3.37
Jones	750	609	60	133	1,484	661	86%	#	63%	195	28	165	21	283	15	223	11	942	5.95	3.07
Lyman W	750	668	60	147	1,522	766	83%	#	56%	302	37	158	12	186	9	144	9	857	5.68	3.26
Lyman E	350	350	28	29	758	371	81%	#	51%	128	19	126	7	64	5	35	2	386	5.21	3.54
Lyman NE / Stanley SE	50	51	5	5	112	53	75%	#	49%	20	1	28	0	4	0	1	0	54	6.03	3.58
Ft Pr Nat Grslnd	100	100	8	8	216	108	86%	#	58%	51	1	23	3	30	0	16	0	125	5.89	3.47
Meade W	1,250	1,159	100	147	3,918	1,221	78%	#	45%	493	70	574	67	238	20	245	44	1,751	4.93	4.51
Meade NE	1,400	1,021	112	214	3,705	1,135	79%	#	44%	442	62	395	87	264	12	305	59	1,626	5.35	3.42
Mellette	1,300	1,147	104	230	4,131	1,258	84%	#	54%	358	95	475	79	421	35	700	54	2,218	5.64	3.25
Perkins N	1,250	1,021	100	168	2,917	1,119	82%	#	44%	423	36	370	68	169	27	169	18	1,279	5.15	3.18
Perkins S	1,350	1,060	108	241	3,129	1,111	86%	#	53%	483	71	494	91	256	9	236	26	1,665	5.40	3.21
Stanley	950	914	76	119	1,740	896	85%	#	48%	206	15	151	23	211	15	196	18	833	5.36	3.06
Oahe Dwnstrm	10	11	2	1	12	11	75%	#	61%	4	0	1	1	1	0	0	0	7	5.80	1.11
Tripp	1,650	1,502	132	265	3,534	1,629	78%	#	56%	631	122	509	94	244	41	322	16	1,979	5.50	3.30
Ziebach	1,050	675	84	177	2,556	750	81%	#	45%	298	36	364	64	138	12	224	26	1,162	5.28	3.28
Shannon	50	50	4	4	54	54	80%	#	79%	20	0	1	0	18	3	1	0	43	5.75	4.02
Todd	250	211	20	48	303	235	80%	#	69%	124	1	34	1	22	1	21	4	210	5.79	3.00
<b>Totals</b>	<b>28,570</b>	<b>24,704</b>	<b>2,289</b>	<b>3,892</b>	<b>67,792</b>	<b>26,387</b>	<b>81.7%</b>	<b>#</b>	<b>48%</b>	<b>8,424</b>	<b>1,152</b>	<b>8,417</b>	<b>1,291</b>	<b>5,815</b>	<b>442</b>	<b>6,365</b>	<b>662</b>	<b>32,569</b>	<b>5.22</b>	<b>3.53</b>

The response rate for all units combined was: **82%**

# Units less than 85% response rate & harvest projections may not be within +/- 15% of sample statistic.

### 2009 West River Deer harvest by date

	Total	Oct 3-18	Nov 7-29	Dec 26 - Jan 3
Reports	12,131	600	10,628	903
Percent of total		5%	88%	7%
Projected	32,569	1,611	28,534	2,424

### 2009 West River Deer antlerless harvest by date

	Total	Oct 3-18	Nov 7-29	Dec 26 - Jan 3
Reports	6,854	600	5,351	903
Percent of total		9%	78%	13%
Projected	18,330	1,611	14,295	2,424

## 2009 West River Deer Harvest Projections

Unit/Type	Licenses						Harvest Projections												Total Deer Harvest
	Resident			Nonresident			Success				Whitetail				Mule Deer				
	Appl. 1st		Sold	Appl. 1st		Sold	1st tag	2nd tag	3rd tag	Bucks		Does		Bucks		Does			
	Choice *	Avail.		Choice *	Avail.					Adult	Fawn	Adult	Fawn	Adult	Fawn	Adult	Fawn		
02A-08	550	500	502	103	40	40	63%	30%		104	6	57	11	213	0	115	4	507	
02A-09	9	200	82	5	16	19	50%	33%		0	4	45	5	4	0	39	0	94	
02A-18	6	300	240	2	24	84	57%	26%		168	0	74	13	39	0	3	4	307	
02C-08	450	450	451	63	36	36	59%	38%		56	14	30	2	225	19	143	25	510	
02C-09	4	150	102	1	12	14	41%	30%		5	0	19	4	0	6	50	6	90	
02C-18	2	100	85	1	8	23	39%	30%		44	3	20	2	12	0	6	0	92	
11A-06	155	120	120	10	10	10	60%	46%	27%	47	4	47	3	34	3	43	1	178	
11A-07	1	120	72	0	10	9	70%	57%	16%	2	7	39	6	0	2	49	15	124	
11B-06	199	100	100	23	8	8	87%	57%	32%	52	5	45	11	38	0	41	1	191	
11B-16	3	50	50	6	4	4	68%	59%	32%	36	8	42	4	0	0	0	0	91	
11B-17	1	50	38	2	4	16	83%	66%	37%	2	13	68	10	0	0	0	3	98	
15A-08	1,030	800	803	186	64	65	57%	33%		151	13	166	15	316	16	133	19	830	
15A-09	27	300	264	16	24	60	60%	35%		14	23	97	22	9	9	159	27	351	
15A-18	33	550	477	7	44	117	54%	39%		285	9	223	16	38	0	0	0	579	
15A-19	1	250	70	1	20	12	83%	50%		0	12	75	0	0	0	13	0	101	
15B-08	658	750	750	107	60	61	56%	37%		391	8	258	17	63	0	42	3	777	
15B-09	29	350	247	10	28	51	52%	27%		0	21	213	21	0	6	21	3	290	
20A-06	535	200	203	61	16	16	83%	43%	19%	86	3	70	5	85	5	52	5	319	
20A-07	5	250	125	11	20	61	67%	54%	24%	7	7	101	18	2	9	119	11	276	
20A-16	15	300	301	26	24	24	69%	56%	26%	227	22	228	37	2	0	2	0	505	
21A-08	621	400	404	50	32	32	67%	42%		99	5	56	10	188	4	143	2	504	
21A-09	22	150	151	2	12	10	59%	26%		3	3	40	11	3	8	63	10	146	
21A-18	8	150	148	3	12	14	57%	41%		83	15	64	4	5	0	5	0	173	
21B-08	221	300	298	18	24	25	59%	34%		110	7	66	7	74	2	52	2	315	
21B-09	10	150	144	4	12	14	57%	34%		9	23	89	6	7	6	39	2	183	
24A-06	353	200	200	50	16	16	73%	54%	27%	85	6	76	20	74	2	73	9	346	
24A-07	11	100	86	5	8	22	73%	55%	36%	0	6	76	16	3	3	63	8	176	
24A-16	24	200	196	17	16	21	66%	54%	32%	145	13	157	15	4	4	8	3	345	
24B-18	67	10	13	4	1	1	100%	80%		13	3	8	0	0	0	0	0	23	
24B-19	4	10	10	0	1	1	89%	67%		0	2	14	1	0	0	0	0	17	
27A-01	105	100	99	11	8	9	58%			23	0	2	0	22	0	15	2	63	
27A-08	365	300	303	54	24	24	52%	46%		41	15	50	9	113	4	95	2	327	
27A-19	4	50	46	2	4	8	52%	30%		0	0	34	4	0	0	2	0	43	
27B-01	127	100	100	24	8	8	71%			28	2	0	0	37	0	9	0	76	
27B-08	498	500	500	99	40	39	70%	54%		148	15	85	13	215	6	198	8	688	
27B-09	0	0	1	0	0	0				0	0	0	0	0	0	0	0	0	
30A-03	20	300	269	11	24	55	46%			0	24	63	20	0	20	26	0	151	
30A-08	746	600	604	100	48	48	56%	33%		217	16	152	35	110	0	68	14	612	
30A-18	17	200	190	16	16	26	50%	38%		80	0	79	16	11	0	0	0	189	
30B-03	16	300	256	8	24	68	52%			0	29	60	12	0	12	44	13	168	
30B-08	626	600	607	135	48	48	68%	54%		296	51	243	24	128	9	74	0	824	
30B-18	13	200	156	12	16	60	42%	42%		84	0	95	0	0	0	0	0	182	
31A-06	657	600	602	103	48	47	73%	51%	28%	146	10	144	48	329	23	300	14	1012	
31A-07	3	200	118	6	16	45	79%	57%	29%	0	3	60	11	10	6	164	21	279	
31A-18	4	150	120	8	12	42	51%	23%		106	6	43	0	13	0	0	0	164	
35A-06	615	650	652	137	52	52	43%	31%	14%	159	32	97	25	144	11	161	27	661	
35A-07	10	200	64	24	16	49	61%	42%	13%	0	5	76	8	3	0	52	9	147	
35A-16	3	250	122	1	20	51	37%	40%	16%	60	13	77	14	0	0	0	0	165	
35B-06	380	350	352	82	28	28	52%	27%	12%	67	6	45	3	129	2	93	11	350	
35B-07	6	150	42	3	12	22	58%	35%	13%	0	4	16	4	0	8	30	7	68	
35B-16	2	200	90	5	16	28	30%	25%	7%	37	2	28	7	3	0	5	0	86	
35C-06	1,185	600	607	194	48	48	49%	29%	11%	94	11	72	17	248	10	136	20	592	
35C-07	19	400	213	20	32	67	65%	35%	14%	4	11	94	15	8	0	186	21	337	
35C-16	10	600	483	4	48	83	34%	25%	10%	190	12	129	48	14	4	0	0	417	
39A-06	456	350	351	70	28	28	67%	47%	19%	64	11	71	9	195	13	147	16	517	
39A-07	5	100	89	4	8	19	69%	46%	28%	3	0	39	7	3	3	88	10	153	
39A-18	3	150	128	1	12	34	68%	35%		104	11	38	9	0	0	8	3	182	
39B-06	266	200	200	55	16	16	76%	47%	25%	71	2	51	3	91	5	92	11	330	
39B-07	1	100	59	4	8	18	66%	46%	22%	3	2	44	0	2	2	58	5	111	
41A-08	310	400	396	86	32	36	81%	41%		97	4	49	4	269	9	118	0	532	
41A-09	10	200	108	6	16	40	75%	72%		0	6	55	11	10	6	101	11	209	
41A-18	0	150	105	1	12	57	68%	45%		99	18	61	6	4	0	3	0	201	

(Continued next page)

# South Dakota Game Report No 2010-01 - 2009 Big Game Harvest Projections

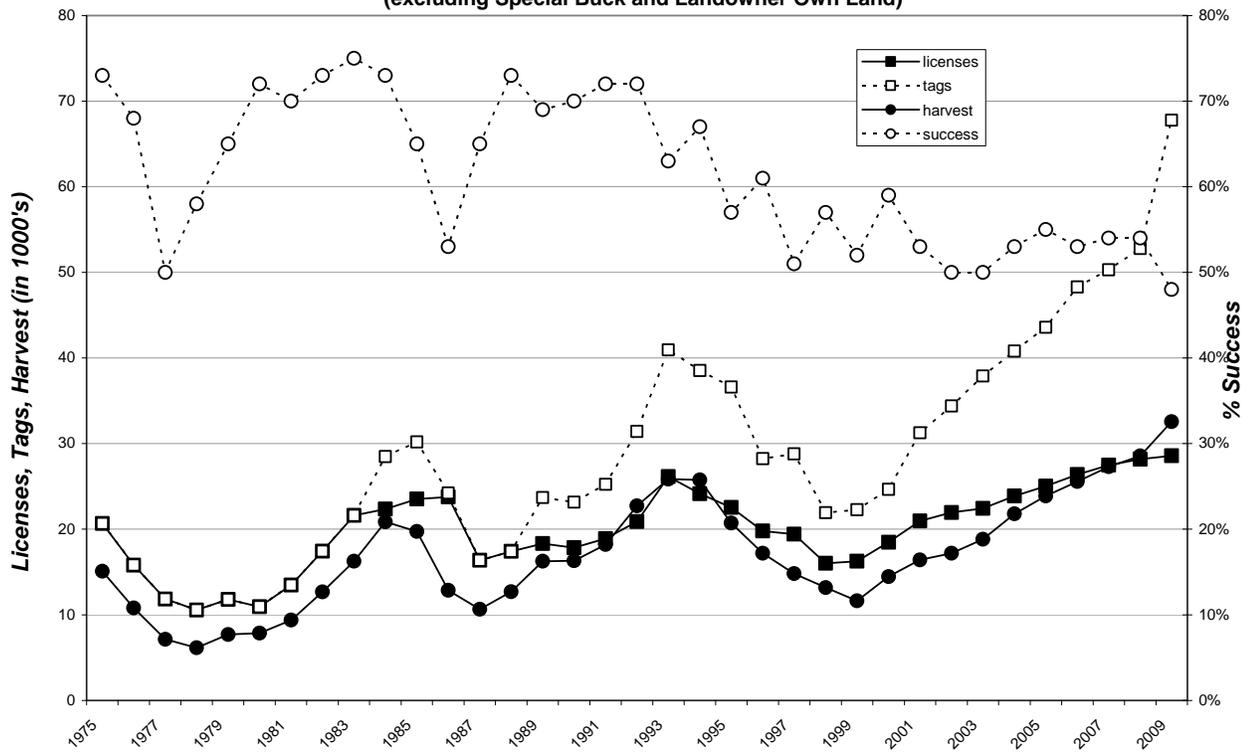
Corey Huxoll

Unit/Type	Licenses						Harvest Projections											Total Deer		
	Resident			Nonresident			Success			Whitetail				Mule Deer						
	Appl. 1st Choice *	Avail.	Sold	Appl. 1st Choice *	Avail.	Sold				Bucks		Does		Bucks		Does				
							Adult	Fawn	Adult	Fawn	Adult	Fawn	Adult	Fawn						
45A-03	9	100	79	1	8	29	58%				0	9	18	3	0	0	33	0	63	
45A-08	369	500	505	105	40	40	67%	40%			189	28	95	4	183	9	111	9	630	
45A-18	1	150	84	5	12	78	68%	26%			113	0	46	5	3	0	0	0	164	
45B-08	453	250	252	71	20	19	61%	40%			94	5	68	5	64	5	35	2	278	
45B-18	55	50	50	5	4	4	59%	29%			32	2	12	2	0	0	0	0	47	
45B-19	3	50	48	1	4	6	63%	38%			2	12	46	0	0	0	0	0	61	
45C-08	40	30	32	1	3	2	67%	41%			20	0	12	0	4	0	1	0	37	
45C-19	0	20	19	0	2	3	42%	8%			0	1	16	0	0	0	0	0	18	
45D-08	224	50	50	23	4	4	80%	33%			13	0	5	0	30	0	16	0	67	
45D-18	38	50	50	4	4	4	70%	32%			38	1	18	3	0	0	0	0	58	
49A-06	603	900	874	75	72	97	62%	47%	24%		393	47	396	41	228	5	197	35	1344	
49A-07	12	200	146	11	16	27	54%	27%	7%		4	14	89	17	0	0	48	8	179	
49A-16	8	150	139	1	12	23	68%	48%	26%		96	10	88	9	10	15	0	0	228	
49B-06	715	600	602	133	48	47	66%	46%	23%		169	22	169	26	251	7	203	28	873	
49B-07	10	400	94	16	32	60	74%	49%	34%		15	12	62	22	0	6	98	32	246	
49B-16	7	400	325	4	32	107	63%	38%	20%		258	28	165	39	14	0	3	0	507	
50A-06	430	300	300	56	24	24	70%	48%	25%		71	12	73	18	163	6	123	10	474	
50A-07	1	100	83	3	8	25	83%	73%	37%		0	0	59	15	3	9	111	3	202	
50A-16	2	100	96	1	8	12	56%	56%	28%		59	19	59	5	3	0	3	3	154	
50B-06	456	500	503	126	40	40	74%	58%	35%		140	29	119	0	252	20	323	15	884	
50B-07	7	200	103	12	16	83	80%	54%	43%		8	28	100	14	0	0	140	23	313	
50B-16	0	100	62	14	8	46	87%	60%	40%		80	7	66	28	0	0	0	0	192	
53A-08	867	400	402	150	32	32	67%	39%			126	4	88	18	159	22	56	8	479	
53A-09	5	350	143	11	28	73	59%	41%			0	8	64	9	4	0	110	10	208	
53A-16	31	500	476	19	40	63	55%	39%	14%		298	24	218	41	6	4	3	0	593	
53C-08	599	600	602	140	48	48	64%	50%			198	15	144	22	228	5	158	16	774	
53C-09	8	150	59	12	12	65	85%	70%			0	3	84	16	16	3	70	9	199	
53C-16	39	600	392	9	48	125	62%	45%	23%		285	45	266	38	12	0	8	0	665	
53C-17	0	0	7	0	0	3	100%	100%			0	8	0	15	0	0	0	0	27	
58A-03	19	300	284	8	24	42	52%				0	7	25	13	0	15	107	7	169	
58A-08	648	400	405	97	32	32	69%	35%			63	0	59	4	208	0	83	11	445	
58A-18	1	250	225	8	20	45	56%	28%			143	8	67	7	2	0	5	0	220	
58D-01	5	5	6	1	1	1	80%				4	0	0	0	1	0	0	0	6	
58D-03	1	5	5	1	1	0	35%				0	0	0	1	0	0	0	0	2	
60A-08	909	900	902	142	72	71	69%	41%			408	36	242	20	240	24	160	0	1138	
60A-09	11	350	274	23	28	90	65%	43%			20	58	121	39	0	17	152	16	417	
60A-18	30	400	326	15	32	104	57%	36%			203	29	147	35	5	0	9	0	424	
64A-06	277	450	428	83	36	57	56%	54%	27%		139	30	177	42	135	3	161	18	704	
64A-07	3	300	41	5	24	27	79%	63%	46%		0	0	67	14	0	6	39	8	130	
64A-16	0	300	206	3	24	93	63%	34%	17%		159	5	120	8	3	3	23	0	328	
65A-01	55	50	50	11	4	4	79%				20	0	1	0	18	3	1	0	43	
67A-01	106	200	179	28	16	36	78%				124	1	10	0	22	0	2	0	169	
67A-09	1	50	32	4	4	12	55%	36%			0	0	24	1	0	0	18	0	41	
<b>Totals</b>	<b>18,594</b>	<b>28,570</b>	<b>24,704</b>	<b>3,518</b>	<b>2,289</b>	<b>3,892</b>	<b>1st tag</b>	<b>2nd tag</b>	<b>3rd tag</b>		<b>8,424</b>	<b>1,152</b>	<b>8,417</b>	<b>1,291</b>	<b>0</b>	<b>5,815</b>	<b>442</b>	<b>6,365</b>	<b>662</b>	<b>32,569</b>
							Types 06/16=	62%	44%	22%										
							Types 07/17=	70%	50%	25%										
							Types 08/18=	63%	39%											
							Types 09/19=	59%	38%											

# Units less than 85% response rate & harvest projections may not be within +/- 15% of sample statistic.

\* Number of 1st drawing applicants with that season as 1st choice.

### West River Deer Regular Season 1975-2009 (excluding Special Buck and Landowner Own Land)



## 2009 West River Deer LOL Harvest Projections

Last Revised: 26-Apr-10

Unit/Type	Licenses		Tags sold	Response Rate	Tag Success	Harvest Projections				Total Deer Harvest	Mean Satisfactn Rating	Average Days Hunted
	Avail.	Sold				Whitetail		Mule Deer				
			Bucks	Does	Bucks	Does						
LO-ST-01	Unltd	635	635	79%	58%	177	14	157	20	369	5.16	4.03
LO-ST-08	Unltd	1,159	2,318	76%	51%	340	312	297	227	1,176	5.19	3.77
<b>Totals</b>		<b>1,794</b>	<b>2,953</b>	<b>77.0%</b>	<b>52%</b>	<b>517</b>	<b>326</b>	<b>454</b>	<b>247</b>	<b>1,545</b>	<b>5.18</b>	<b>3.86</b>

# Units less than 85% response rate & harvest projections  
may not be within +/- 15% of sample statistic.

## 2009 West River LOL Harvest Distribution

Last Revised:  
26-Apr-10

County	Reported Harvest					Projected Harvest					Total Projected	%
	Whitetail		Mule Deer		Total	Whitetail		Mule Deer		Total		
	Bucks	Does	Bucks	Does		Bucks	Does	Bucks	Does			
Pennington	12	4	16	9	41	17	6	22	12	58	3.7%	
Lawrence	5	1	0	0	6	7	1	0	0	9	0.6%	
Bennett	10	5	7	1	23	14	7	10	1	33	2.1%	
Butte	34	31	15	2	82	48	46	21	3	118	7.7%	
Corson	19	12	9	4	44	27	18	12	5	63	4.1%	
Custer	3	3	3	3	12	4	4	4	4	17	1.1%	
Dewey	6	8	10	6	30	9	12	14	8	43	2.8%	
Fall River	6	5	6	1	18	9	7	8	1	26	1.7%	
Gregory	56	38	20	10	124	80	57	28	14	178	11.5%	
Haakon	15	5	33	16	69	21	7	46	22	97	6.2%	
Harding	4	4	5	3	16	6	6	7	4	23	1.5%	
Jackson	17	9	18	20	64	24	13	25	27	90	5.8%	
Jones	5	1	11	10	27	7	1	15	14	38	2.4%	
Lyman	35	15	29	22	101	50	22	40	30	143	9.2%	
Meade	30	22	38	8	98	43	33	53	11	139	9.0%	
Mellette	13	7	11	6	37	19	10	15	8	52	3.4%	
Perkins	22	13	31	16	82	31	19	43	22	116	7.5%	
Stanley	13	4	35	21	73	19	6	48	29	102	6.6%	
Tripp	44	23	17	22	106	63	34	24	30	151	9.8%	
Ziebach	5	3	7	0	15	7	4	10	0	21	1.4%	
Shannon	1	2	2	0	5	1	3	3	0	7	0.5%	
Todd	8	3	5	0	16	11	4	7	0	23	1.5%	
Unknown	32	28	19	7	86							
<b>TOTALS</b>	<b>395</b>	<b>246</b>	<b>347</b>	<b>187</b>	<b>1,175</b>	<b>517</b>	<b>326</b>	<b>454</b>	<b>247</b>	<b>1,545</b>		

Any by county projected harvest values will differ from by unit projected harvest values due to incorrect sampling proportions within counties.  
Use these figures for approximations only!

## 2009 West River Special Buck Harvest Projections

Unit/Type	Licenses				Response Rate	Tag Success	Harvest Projections				Total Deer Harvest	Mean Satisfactn Rating	Average Days Hunted
	Resident		Nonresident				Whitetail		Mule Deer				
	Avail.	Sold	Avail.	Sold			Bucks	Does	Bucks	Does			
<b>WR-01</b>	500	501	500	499	85%	75%	226	2	513	7	748	5.79	3.56

# Units less than 85% response rate & harvest projections may not be within +/- 15% of sample statistic.

## 2009 West River Special Buck Harvest Distribution

County	Reported Harvest					Projected Harvest					Total Projected	%
	Whitetail		Mule Deer		Total	Whitetail		Mule Deer		Total		
	Bucks	Does	Bucks	Does		Bucks	Does	Bucks	Does			
Pennington	4	0	40	2	46	11	0	97	5	112	15.0%	
Lawrence	0	0	1	0	1	0	0	2	0	2	0.3%	
Bennett	2	0	2	0	4	5	0	5	0	10	1.4%	
Butte	1	0	8	0	9	3	0	19	0	22	3.0%	
Corson	4	0	2	0	6	11	0	5	0	15	2.1%	
Custer	0	0	3	0	3	0	0	7	0	7	1.0%	
Dewey	1	0	2	0	3	3	0	5	0	7	1.0%	
Fall River	2	0	8	0	10	5	0	19	0	25	3.3%	
Gregory	19	1	9	0	29	50	2	22	0	74	9.9%	
Haakon	0	0	25	0	25	0	0	61	0	61	8.1%	
Harding	4	0	15	0	19	11	0	36	0	47	6.3%	
Jackson	3	0	11	0	14	8	0	27	0	35	4.6%	
Jones	1	0	8	1	10	3	0	19	2	24	3.3%	
Lyman	9	0	8	0	17	24	0	19	0	43	5.8%	
Meade	15	0	24	0	39	39	0	58	0	98	13.1%	
Mellette	6	0	4	0	10	16	0	10	0	25	3.4%	
Perkins	6	0	11	0	17	16	0	27	0	43	5.7%	
Stanley	3	0	24	0	27	8	0	58	0	66	8.9%	
Tripp	2	0	4	0	6	5	0	10	0	15	2.0%	
Ziebach	2	0	1	0	3	5	0	2	0	8	1.0%	
Shannon	2	0	1	0	3	5	0	2	0	8	1.0%	
Todd	0	0	0	0	0	0	0	0	0	0	0.0%	
Unknown	10	0	7	0	17							
<b>TOTALS</b>	<b>96</b>	<b>1</b>	<b>218</b>	<b>3</b>	<b>318</b>	<b>226</b>	<b>2</b>	<b>513</b>	<b>7</b>	<b>748</b>		

Any by county projected harvest values will differ from by unit projected harvest values due to incorrect sampling proportions within counties.  
 Use these figures for approximations only!

## **EAST RIVER FIREARM DEER**

There were 48,330 licenses issued for the 2009 East River Firearm Deer season (43,617 regular, 401 Special Buck and 4,312 Landowner Own Land Only) for a total of 78,276 tags.

The East River season was open 16 days from November 21 through December 6 in all units. The season was also open from Dec. 26 – Jan. 3 for all unfilled and unsold antlerless deer tags. Beginning December 26, all unused and unsold tags for “any deer” and “any whitetail” converted to their respective antlerless tags.

A random sample of 18,462 hunters was taken from the regular East River season, 2,197 from the Landowner Own Land Only licenses, and all 401 Special Buck hunters. The response rates were 81% for the regular East River Deer, 74% for Landowner East River Deer and 88% for Special Buck. Of all responding hunters, 49% of regular East River, 36% of Landowner Own Land and 29% of Special Buck hunters responded over the Internet.

Respondents reported hunting an average of 4.52 days per hunter for the regular season, 4.47 days for Landowner Own Land and 6.14 days for Special Buck, resulting in a projected total of 210,307 recreation days for the entire East River season. Hunters reported harvesting approximately 86% of their deer during the regular season and 14% from December 26 - January 3.

The East River projected deer harvest was 29,931 for the regular season, 2,598 for Landowner Own Land, and 188 for the Special Buck season. Success rates were 42% for the regular season, 38% for Landowner Own Land, and 47% for Special Buck. Success for the regular East River season “any deer and any antlerless deer” and “any whitetail and antlerless whitetail” license 1<sup>st</sup> tags (any) was 50% and success for 2<sup>nd</sup> (antlerless only) tags was 37%. Success for “any antlerless deer and any antlerless deer” and “antlerless whitetail and antlerless whitetail” license 1<sup>st</sup> tags was 51% and success for 2<sup>nd</sup> tags was 23%.

The mean satisfaction score for those responding to the regular East River survey was 4.41, for the Landowner Own Land survey was 4.57, and for the Special Buck survey was 4.83 (1 = “very dissatisfied” and 7 = “very satisfied”).

Summary comparison of the 1999-2009 East River Deer seasons (including Special Buck and Landowner)

YEAR	Licenses Sold				Harvest				Total Harvest	Success	Avg Days	Avg Satis
	Resident		Nonres		Bucks		Does					
	Lics	Tags	Lics	Tags	WT	Mule	WT	Mule				
1999	35,373	40,287	213	326	13,294	547	11,196	269	25,306	62%	3.54	4.86
2000	38,129	43,744	238	383	14,641	505	12,170	231	27,547	62%	3.05	4.99
2001	41,550	54,651	452	819	14,835	465	15,276	439	31,015	56%	3.79	4.83
2002	42,714	56,826	503	889	15,365	543	17,489	441	33,838	59%	3.93	5.01
2003	45,846	65,567	837	1,581	15,251	488	21,911	476	38,126	57%	4.40	5.14
2004	47,942	71,443	1,134	2,157	13,953	519	22,991	498	37,961	52%	4.42	4.90
2005	47,649	71,362	1,316	2,462	17,337	559	24,636	535	43,067	58%	4.06	5.01
2006	48,608	74,462	1,506	2,804	17,444	544	23,503	421	41,912	54%	4.56	4.82
2007	48,708	74,502	1,760	3,340	17,609	593	20,311	562	39,075	50%	4.52	4.72
2008	47,308	73,592	1,672	3,191	16,951	646	20,239	642	38,478	50%	4.79	4.71
2009	46,533	74,613	1,797	3,663	13,733	511	17,741	735	32,717	42%	4.53	4.41

South Dakota Game Report No 2010-01 - 2009 Big Game Harvest Projections  
Corey Huxoll

### 2009 East River Deer Harvest Projections

Unit	Harvest Projections															Total Deer Harvested	Mean Satisfact Rating	Average Days Hunted		
	Licenses				Tags sold	Response Hunters	Response Rate	Unit Success	Whitetail				Mule Deer							
	Resident		Nonresident						Bucks		Does		Bucks		Does					
	Avail.	Sold	Avail.	Sold					Adult	Fawn	Adult	Fawn	Adult	Fawn	Adult				Fawn	
Aurora	775	750	leftovers	37	1,321	749	78%	#	53%	175	54	404	49	2	2	10	0	697	4.93	3.92
Beadle	1,400	1,368	leftovers	50	2,027	1,352	80%	#	48%	396	58	447	55	3	0	10	7	977	4.36	4.83
Bon Homme	720	730	leftovers	3	933	705	78%	#	47%	125	57	224	26	2	0	0	0	434	4.71	4.53
Brookings	1,100	1,119	leftovers	0	1,319	1,119	84%	#	39%	180	35	275	20	0	0	0	0	510	4.08	5.29
Brown	3,200	2,803	leftovers	177	5,549	2,814	78%	#	39%	823	94	1,018	207	0	6	6	6	2,161	4.08	5.14
Brule	1,650	1,320	leftovers	89	2,818	1,319	79%	#	42%	396	73	489	62	80	0	62	10	1,173	4.81	4.25
Buffalo	400	340	leftovers	61	802	380	78%	#	46%	177	14	132	14	21	0	9	0	368	5.24	3.48
Campbell	770	560	leftovers	81	1,282	593	78%	#	49%	245	28	289	26	2	0	39	4	634	4.80	4.30
Charles Mix	1,300	1,300	leftovers	17	1,667	1,230	82%	#	52%	288	67	320	70	32	6	73	6	862	4.90	4.53
Clark	1,500	1,400	leftovers	87	2,671	1,422	81%	#	34%	265	67	487	95	0	0	4	4	921	4.26	4.65
Clay	750	743	leftovers	14	957	701	75%	#	39%	86	32	221	29	2	0	0	0	370	4.39	4.81
Codington	1,000	989	leftovers	26	1,015	938	80%	#	33%	106	25	161	44	0	0	0	0	335	4.04	4.60
Davison	750	764	leftovers	14	778	677	76%	#	49%	148	26	177	26	0	0	0	0	378	4.51	4.30
Day	1,300	1,292	leftovers	28	1,939	1,277	83%	#	41%	270	55	401	55	0	0	6	0	786	4.12	4.29
Deuel	950	947	leftovers	13	1,260	951	82%	#	38%	203	51	192	35	0	0	0	0	482	4.11	4.87
Douglas	600	467	leftovers	9	952	466	76%	#	35%	106	28	165	32	0	0	2	0	333	4.44	5.12
E Sully	550	399	leftovers	32	862	405	77%	#	48%	180	17	177	20	7	0	15	0	416	4.94	3.83
Edmunds	1,400	1,187	leftovers	173	4,080	1,310	76%	#	40%	362	151	872	201	0	0	22	7	1,615	4.13	4.67
Faulk	1,300	985	leftovers	116	3,303	1,060	82%	#	46%	352	118	876	148	0	12	12	3	1,522	4.78	4.01
Grant	900	911	leftovers	0	911	911	83%	#	47%	119	44	227	31	3	0	3	0	426	4.07	5.13
Hamlin	1,000	968	leftovers	38	1,608	979	82%	#	37%	129	47	351	58	3	0	3	3	592	4.06	4.95
Hand	1,050	1,009	leftovers	58	2,134	1,023	82%	#	53%	309	67	638	76	8	3	20	3	1,124	4.85	4.06
Hanson	600	605	leftovers	5	610	527	83%	#	43%	123	19	107	6	2	0	4	0	261	4.13	4.35
Hughes	475	479	leftovers	7	892	465	84%	#	49%	197	18	107	11	34	2	61	11	440	5.27	4.20
Hutchinson	700	708	leftovers	8	966	696	84%	#	42%	131	41	200	33	2	0	0	0	407	4.36	4.19
Hyde	900	578	leftovers	47	1,250	602	75%	#	53%	285	36	290	36	14	0	5	0	666	5.14	3.72
Jerauld	725	628	leftovers	40	1,151	619	78%	#	52%	195	27	333	29	7	0	4	0	595	5.08	3.80
Kingsbury	1,600	1,587	leftovers	30	2,019	1,504	82%	#	34%	256	40	337	55	0	0	0	0	688	3.94	4.47
Lake	800	811	leftovers	0	1,214	811	80%	#	32%	112	40	211	20	0	0	2	2	388	3.78	4.87
Lincoln	450	458	leftovers	0	558	458	85%	#	36%	82	19	95	2	2	0	0	0	200	4.09	4.77
Marshall	1,200	1,107	leftovers	103	2,015	1,187	79%	#	38%	262	61	361	67	0	0	3	3	756	4.42	4.71
McCook	900	914	leftovers	3	1,275	905	83%	#	34%	124	36	243	36	0	0	0	0	440	3.91	4.96
McPherson	1,200	1,046	leftovers	119	2,330	1,095	82%	#	50%	354	94	581	103	6	3	12	6	1,160	4.67	3.87
Miner	1,075	903	leftovers	38	1,457	891	82%	#	36%	169	42	262	49	0	0	8	0	530	3.92	4.26
Minnehaha	1,300	1,313	leftovers	10	1,723	1,285	81%	#	34%	174	43	302	59	0	0	3	0	582	3.99	5.26
Moody	700	706	leftovers	0	907	706	84%	#	32%	130	24	136	4	0	0	0	0	295	3.92	5.35
Potter	1,050	829	leftovers	50	1,758	821	78%	#	50%	349	47	354	39	26	3	50	5	873	5.02	3.64
Roberts	1,000	1,021	leftovers	0	1,021	1,019	86%	#	45%	150	29	247	32	0	0	0	0	459	4.13	4.60
Sanborn	850	748	leftovers	33	1,163	712	79%	#	45%	154	50	282	36	2	0	2	0	527	4.50	4.43
Spink	1,500	1,450	leftovers	65	2,720	1,471	81%	#	46%	462	106	579	84	0	0	7	0	1,238	4.43	4.23
Turner	900	892	leftovers	13	1,305	851	78%	#	24%	80	42	164	24	0	0	5	0	315	3.66	5.35
Union	800	808	leftovers	5	963	793	82%	#	44%	121	34	249	19	0	0	0	0	423	4.38	4.95
W Sully	650	564	leftovers	32	1,192	573	87%	#	46%	194	33	132	15	54	10	109	6	552	5.36	3.63
Walworth	850	609	leftovers	66	1,350	642	80%	#	50%	250	31	275	49	22	0	38	11	675	4.88	4.02
Yankton	700	705	leftovers	0	955	705	84%	#	36%	104	31	178	24	4	0	2	2	346	4.41	4.67
<b>Totals</b>	<b>45,290</b>	<b>41,820</b>	<b>leftovers</b>	<b>1,797</b>	<b>70,982</b>	<b>41,719</b>	<b>80.7%</b>	<b>#</b>	<b>42%</b>	<b>9,897</b>	<b>2,151</b>	<b>14,572</b>	<b>2,213</b>	<b>342</b>	<b>47</b>	<b>611</b>	<b>100</b>	<b>29,931</b>	<b>4.41</b>	<b>4.52</b>

The response rate for all units combined was: 81%  
# Units less than 85% response rate & harvest projections may not be within +/- 15% of sample statistic.

### 2009 East River Deer harvest by date

	Total	Nov 21- Dec 6	Dec 26- Jan 3
Reports	10,472	8,983	1,489
Percent of total		86%	14%
Projected	29,931	25,675	4,256

### 2009 East River Deer antlerless harvest by date

	Total	Nov 21- Dec 6	Dec 26- Jan 3
Reports	6,819	5,330	1,489
Percent of total		78%	22%
Projected	19,692	15,436	4,256

South Dakota Game Report No 2010-01 - 2009 Big Game Harvest Projections  
 Corey Huxoll

## 2009 East River Deer Harvest Projections

Last Revised:		Licenses				Harvest Projections											
23-Apr-10		Resident		Nonresident		Success			Whitetail				Mule Deer				Total
Unit/Type	Appl. 1st Choice *	Avail.	Sold	Avail.	Sold	1st tag	2nd tag	3rd tag	Bucks	Does	Bucks	Does	Bucks	Does	Bucks	Does	Harvest
01A-01	1,077	600	622	leftovers	0	32%			170	7	32	4	0	0	3	0	201
01A-03	46	300	299	leftovers	2	38%			0	14	77	20	0	0	0	0	115
01A-09	75	400	392	leftovers	8	42%	20%		4	22	193	36	0	0	0	0	265
03A-01	539	400	411	leftovers	0	43%			158	6	12	5	0	0	0	0	177
03A-08	1,700	1,600	1,609	leftovers	0	47%	36%		650	60	550	81	0	0	0	0	1,330
03A-09	60	1,200	783	leftovers	177	44%	17%		15	28	456	121	0	6	6	6	654
04A-01	754	700	709	leftovers	0	49%			268	16	55	8	3	0	0	0	349
04A-03	10	100	88	leftovers	12	43%			0	0	33	9	0	0	0	0	43
04A-08	431	300	308	leftovers	0	45%	43%		123	16	140	6	0	0	10	0	289
04A-09	29	300	263	leftovers	38	51%	22%		5	27	219	32	0	0	0	7	295
05A-01	872	500	515	leftovers	0	30%			106	11	35	3	0	0	0	0	156
05A-03	34	500	474	leftovers	26	36%			0	14	126	41	0	0	0	0	180
06A-01	1,224	600	619	leftovers	0	45%			180	9	85	6	0	0	0	0	280
06A-03	31	300	300	leftovers	0	40%			0	12	93	15	0	0	0	0	119
06A-09	67	200	200	leftovers	0	42%	13%		0	14	97	0	0	0	0	0	111
07A-01	856	300	305	leftovers	0	40%			99	2	17	2	4	0	0	0	122
07A-03	21	150	150	leftovers	0	27%			0	5	30	5	0	0	0	0	40
07A-09	75	250	250	leftovers	0	47%	27%		5	24	131	17	0	0	2	2	184
08A-11	536	350	377	leftovers	0	51%			148	7	33	4	0	0	0	0	191
08A-13	20	400	387	leftovers	14	47%			0	19	144	22	0	0	0	0	187
10A-01	133	50	52	leftovers	0	61%			19	0	11	0	0	0	0	0	32
10A-13	14	200	171	leftovers	30	44%			0	0	75	8	0	0	7	0	88
10A-18	607	275	283	leftovers	0	68%	44%		156	6	132	14	2	0	3	0	326
10A-19	40	250	244	leftovers	7	62%	37%		0	48	186	27	0	0	0	0	252
12A-01	660	270	283	leftovers	0	59%			125	8	25	0	2	0	0	0	167
12A-03	14	250	247	leftovers	3	50%			0	19	99	10	0	0	0	0	126
12A-09	41	200	200	leftovers	0	49%	15%		0	29	100	16	0	0	0	0	141
13A-08	746	550	555	leftovers	0	41%	33%		121	14	126	13	80	0	59	6	417
13A-18	123	600	569	leftovers	31	52%	34%		262	32	193	24	0	0	4	0	520
13A-19	13	500	196	leftovers	58	60%	25%		13	27	170	26	0	0	4	0	236
14A-08	126	150	151	leftovers	0	55%	33%		53	2	42	7	21	0	9	0	134
14A-18	9	250	189	leftovers	61	53%	36%		124	12	90	7	0	0	0	0	233
16A-08	111	20	20	leftovers	0	70%	20%		13	2	2	0	2	0	0	0	20
16A-09	9	50	41	leftovers	9	63%	21%		0	2	16	3	0	0	39	0	44
16A-18	363	400	403	leftovers	0	58%	34%		230	15	143	10	0	0	4	0	416
16A-19	10	300	96	leftovers	72	54%	29%		3	8	128	13	0	0	0	0	155
17A-01	856	250	258	leftovers	0	59%			108	7	10	3	32	0	3	0	151
17A-03	17	300	291	leftovers	9	45%			0	9	36	19	0	6	54	6	135
17A-11	567	400	409	leftovers	0	60%			176	14	63	3	0	0	0	0	245
17A-19	43	350	342	leftovers	8	53%	26%		5	37	212	45	0	0	16	0	331
18A-01	389	300	303	leftovers	0	35%			90	0	21	0	0	0	0	0	105
18A-08	788	500	510	leftovers	0	33%	33%		174	32	142	22	0	0	0	0	363
18A-09	33	700	587	leftovers	87	46%	17%		0	36	324	74	0	0	0	0	453
19A-01	499	350	357	leftovers	0	40%			83	12	44	3	2	0	0	0	142
19A-03	12	200	188	leftovers	12	37%			0	5	65	3	0	0	0	0	74
19A-09	24	200	198	leftovers	2	48%	21%		3	15	112	23	0	0	0	0	154
22A-03	54	700	673	leftovers	28	36%			0	24	210	21	0	0	6	0	256
22A-08	1,263	600	619	leftovers	0	52%	34%		270	30	191	33	0	0	0	0	530
23A-01	469	350	360	leftovers	0	40%			113	14	16	5	0	0	0	0	145
23A-03	16	300	287	leftovers	13	37%			0	10	77	18	0	0	0	0	110
23A-08	462	300	300	leftovers	0	35%	39%		90	27	99	12	0	0	0	0	228
25A-18	350	350	362	leftovers	0	34%	30%		106	15	98	14	0	0	0	0	234
25A-19	9	250	105	leftovers	9	58%	25%		0	12	67	17	0	0	2	0	99
26A-06	986	800	823	leftovers	0	43%	43%	18%	362	75	415	48	0	0	0	0	901
26A-07	26	600	364	leftovers	173	51%	39%	21%	0	76	457	153	0	0	22	7	714
28A-06	763	700	706	leftovers	0	51%	58%	27%	352	65	495	59	0	12	3	0	984
28A-07	27	600	279	leftovers	116	72%	47%	20%	0	53	382	89	0	0	9	0	538
29A-01	897	450	459	leftovers	0	44%			119	13	72	0	3	0	0	0	204
29A-03	92	450	452	leftovers	0	49%			0	31	155	31	0	0	3	0	222
32A-01	460	400	404	leftovers	0	27%			59	16	29	0	3	0	3	0	110
32A-08	334	250	251	leftovers	0	37%	37%		70	18	87	22	0	0	0	0	196
32A-09	33	350	313	leftovers	38	53%	28%		0	13	235	35	0	0	0	0	286
33A-08	305	100	105	leftovers	0	53%	32%		46	3	29	3	3	0	6	0	91
33A-18	696	450	464	leftovers	0	61%	49%		247	17	229	18	0	0	3	0	517
33A-19	13	500	440	leftovers	58	64%	32%		17	47	380	55	5	3	11	3	516
34A-01	417	300	310	leftovers	0	48%			123	2	28	0	2	0	2	0	150
34A-03	9	300	295	leftovers	5	37%			0	17	80	6	0	0	2	0	111

(Continued next page)

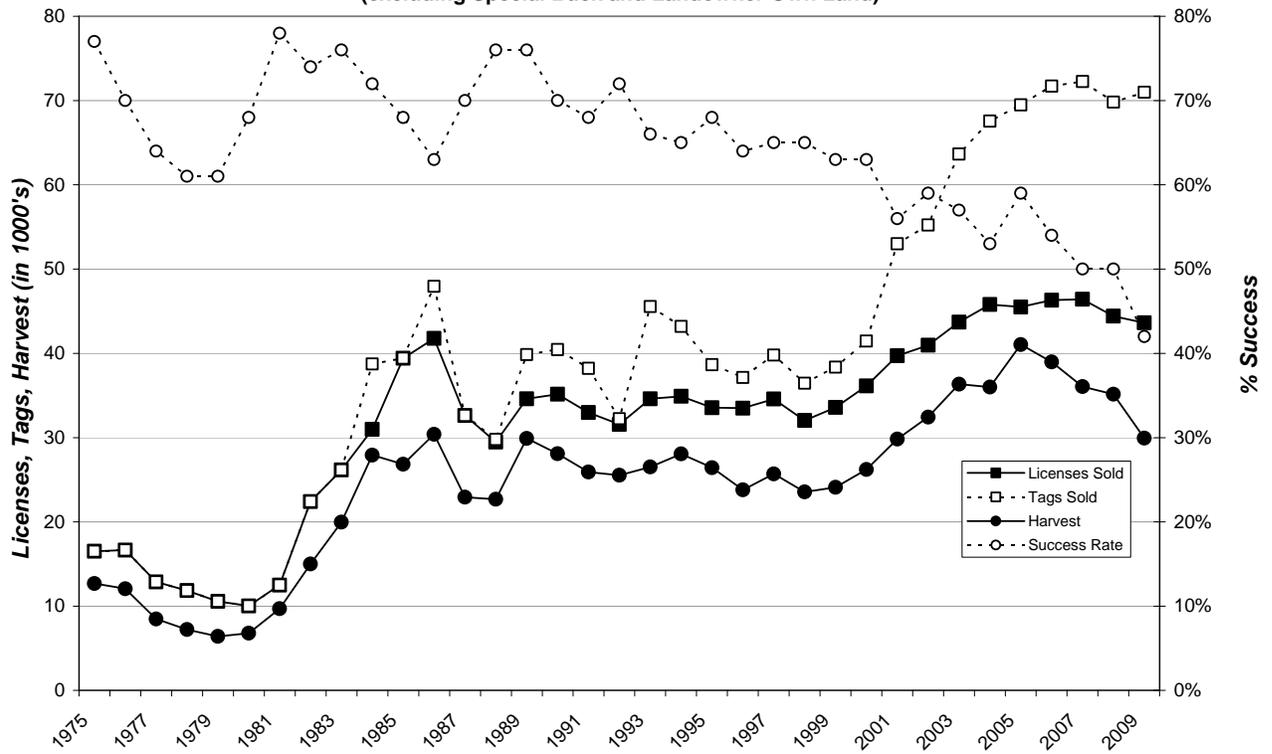
**South Dakota Game Report No 2010-01 - 2009 Big Game Harvest Projections**  
 Corey Huxoll

Last Revised: 23-Apr-10		Licenses					Harvest Projections										Total Deer
Resident		Nonresident			Success		Whitetail				Mule Deer						
Unit/Type	Appl. 1st Choice *	Avail.	Sold	Avail.	Sold	1st tag	2nd tag	3rd tag	Bucks Adult	Does Fawn	Bucks Adult	Does Fawn	Bucks Adult	Does Fawn	Bucks Adult	Does Fawn	
36A-01	159	75	80	leftovers	0	65%			37	0	4	0	12	0	0	0	52
36A-08	261	100	105	leftovers	0	63%	35%		43	0	24	3	22	0	16	2	109
36A-09	3	125	119	leftovers	7	60%	28%		5	10	34	3	0	2	45	9	115
36A-18	86	175	175	leftovers	0	63%	26%		112	7	46	5	0	0	0	0	164
37A-11	610	250	264	leftovers	0	54%			123	8	14	4	0	0	0	0	142
37A-13	15	200	200	leftovers	2	41%			5	9	56	9	0	0	0	0	82
37A-19	35	250	244	leftovers	6	49%	21%		3	24	130	20	0	0	0	0	183
38A-08	177	50	52	leftovers	0	57%	35%		11	0	17	3	14	0	5	0	50
38A-18	224	450	439	leftovers	11	64%	41%		274	23	169	24	0	0	0	0	493
38A-19	6	400	87	leftovers	36	64%	36%		0	13	104	9	0	0	0	0	123
40A-01	143	50	51	leftovers	0	75%			26	0	4	0	7	0	4	0	38
40A-13	12	200	126	leftovers	8	48%			5	2	56	0	0	0	0	0	64
40A-18	403	275	283	leftovers	0	55%	38%		153	11	93	14	0	0	0	0	268
40A-19	8	200	168	leftovers	32	63%	41%		12	14	180	15	0	0	0	0	224
42A-01	1,274	900	915	leftovers	0	37%			247	11	83	6	0	0	0	0	337
42A-03	28	300	285	leftovers	15	27%			0	9	57	11	0	0	0	0	80
42A-09	70	400	387	leftovers	15	44%	20%		10	21	197	37	0	0	0	0	272
43A-01	489	200	208	leftovers	0	35%			61	3	12	0	0	0	0	0	72
43A-03	29	200	200	leftovers	0	24%			0	12	35	0	0	0	0	0	48
43A-08	362	150	153	leftovers	0	37%	29%		51	5	46	2	0	0	0	0	102
43A-09	49	250	250	leftovers	0	46%	20%		0	20	118	18	0	0	2	2	166
44A-01	627	250	258	leftovers	0	40%			82	3	14	2	2	0	0	0	103
44A-03	19	100	100	leftovers	0	28%			0	6	22	0	0	0	0	0	28
44A-09	55	100	100	leftovers	0	54%	16%		0	10	59	0	0	0	0	0	69
46A-01	585	300	309	leftovers	0	35%			78	5	23	5	0	0	0	0	109
46A-03	24	250	247	leftovers	3	39%			0	3	81	12	0	0	0	0	98
46A-08	284	150	158	leftovers	0	30%	35%		43	14	51	0	0	0	0	0	107
46A-09	27	200	200	leftovers	0	40%	19%		3	14	87	19	0	0	0	0	125
47A-08	826	700	718	leftovers	0	52%	44%		343	54	256	43	6	3	12	6	714
47A-09	21	500	328	leftovers	119	60%	37%		11	40	326	60	0	0	0	0	446
48A-01	403	400	405	leftovers	0	41%			123	6	29	11	0	0	0	0	167
48A-08	577	400	405	leftovers	0	38%	38%		139	28	126	19	0	0	3	3	319
48A-09	23	400	297	leftovers	103	50%	17%		0	27	205	37	0	0	0	0	271
51A-01	347	250	255	leftovers	0	36%			77	2	14	0	0	0	0	0	91
51A-03	19	250	156	leftovers	14	33%			0	7	32	12	0	0	4	0	55
51A-08	334	225	234	leftovers	0	38%	35%		92	7	74	7	0	0	4	0	180
51A-09	18	350	258	leftovers	24	41%	14%		0	25	143	31	0	0	0	0	203
52A-01	540	400	405	leftovers	0	36%			101	9	32	2	0	0	0	0	144
52A-03	27	100	100	leftovers	0	25%			0	2	23	0	0	0	0	0	25
52A-08	192	100	101	leftovers	0	28%	31%		29	4	28	0	0	0	0	0	61
52A-09	34	100	100	leftovers	0	48%	16%		0	9	53	2	0	0	0	0	64
54A-08	418	150	155	leftovers	0	55%	25%		65	5	33	0	23	0	5	0	132
54A-09	7	200	167	leftovers	34	51%	25%		11	14	81	15	0	3	45	5	181
54A-18	298	450	450	leftovers	0	60%	42%		274	23	195	19	3	0	0	0	506
54A-19	8	250	57	leftovers	16	60%	20%		0	5	45	5	0	0	0	0	54
55A-01	1,008	500	521	leftovers	0	45%			147	13	62	16	0	0	0	0	232
55A-03	61	500	500	leftovers	0	45%			3	17	185	17	0	0	0	0	227
56A-01	423	250	260	leftovers	0	57%			113	3	19	0	2	0	0	0	147
56A-03	3	200	127	leftovers	12	34%			0	3	39	3	0	0	2	0	47
56A-08	162	100	101	leftovers	0	36%	50%		33	6	46	7	0	0	0	0	93
56A-09	13	300	260	leftovers	21	54%	20%		8	37	178	25	0	0	0	0	240
57A-01	298	300	310	leftovers	0	47%			112	4	19	8	0	0	0	0	145
57A-08	986	800	806	leftovers	0	49%	43%		347	54	324	43	0	0	4	0	774
57A-09	22	400	334	leftovers	65	52%	29%		4	48	235	33	0	0	4	0	319
59A-08	504	150	155	leftovers	0	71%	31%		56	8	24	0	50	2	19	2	163
59A-09	6	250	159	leftovers	32	52%	27%		2	5	39	0	0	8	90	4	159
59A-18	56	250	250	leftovers	0	55%	35%		135	19	70	15	4	0	0	0	230
59B-08	218	350	333	leftovers	17	54%	38%		175	17	122	9	7	0	15	0	343
59B-09	3	200	66	leftovers	15	44%	24%		6	0	55	11	0	0	0	0	73
61A-01	594	250	255	leftovers	0	32%			76	3	14	0	0	0	0	0	82
61A-03	18	250	243	leftovers	7	25%			0	19	34	5	0	0	0	0	63
61A-09	22	400	394	leftovers	6	26%	9%		4	21	116	18	0	0	0	0	171
62A-01	698	350	362	leftovers	0	44%			121	8	23	0	0	0	0	0	160
62A-03	17	300	296	leftovers	5	42%			0	5	118	8	0	0	0	0	126
62A-09	47	150	150	leftovers	0	60%	27%		0	21	109	11	0	0	0	0	137
63A-08	344	50	51	leftovers	0	65%	35%		16	0	13	0	19	0	5	0	51
63A-09	7	100	62	leftovers	37	63%	37%		2	6	55	4	0	0	21	8	97
63A-18	199	400	400	leftovers	0	59%	45%		229	18	150	26	0	0	2	0	422
63A-19	6	300	96	leftovers	29	48%	13%		4	7	56	19	4	0	10	3	105
<b>Totals</b>	<b>38,256</b>	<b>45,290</b>	<b>41,820</b>	<b>leftovers</b>	<b>1,797</b>	<b>1st tag</b>	<b>2nd tag</b>		<b>9,897</b>	<b>2,151</b>	<b>14,572</b>	<b>2,213</b>	<b>342</b>	<b>47</b>	<b>611</b>	<b>100</b>	<b>29,931</b>
						<b>Type 08/18=</b>	<b>50%</b>	<b>37%</b>									
						<b>Type 09/19=</b>	<b>51%</b>	<b>23%</b>									

\* Number of 1st drawing applicants with that season as 1st choice.

### East River Deer Regular Season 1975-2009

(excluding Special Buck and Landowner Own Land)



## 2009 East River Deer LOL Harvest Projections

Last Revised: 13 April 10

Unit/Type	Licenses		Tags sold	Response Rate	Tag Success	Harvest Projections				Total Deer Harvest	Mean Satisfactn Rating	Average Days Hunted
	Avail.	Sold				Whitetail		Mule Deer				
						Bucks	Does	Bucks	Does			
LO-ST-01	Unltd	1,731	1,731	74%	35%	478	73	43	8	602	4.51	4.22
LO-ST-08	Unltd	2,581	5,162	74%	39%	1,054	868	58	16	1,996	4.61	4.63
<b>Totals</b>		<b>4,312</b>	<b>6,893</b>	<b>73.7%</b>	<b>38%</b>	<b>1,532</b>	<b>941</b>	<b>101</b>	<b>24</b>	<b>2,598</b>	<b>4.57</b>	<b>4.47</b>

# Units less than 85% response rate & harvest projections may not be within +/- 15% of sample statistic.

## 2009 East River LOL Harvest Distribution

Last Revised: 13 Apr 10

County	Reported Harvest					Projected Harvest				Total Projected	%
	Whitetail		Mule Deer		Total	Whitetail		Mule Deer			
	Bucks	Does	Bucks	Does		Bucks	Does	Bucks	Does		
Minnehaha	8	6	0	0	14	23	17	0	0	40	1.5%
Brown	12	5	0	0	17	34	14	0	0	48	1.9%
Beadle	23	17	0	0	40	65	49	0	0	114	4.4%
Codington	8	5	0	0	13	23	14	0	0	37	1.4%
Brookings	8	8	0	0	16	23	23	0	0	46	1.8%
Yankton	17	4	0	1	22	48	11	0	3	63	2.4%
Davison	4	6	0	0	10	11	17	0	0	29	1.1%
Aurora	24	15	0	0	39	68	43	0	0	111	4.3%
Bon Homme	9	13	0	0	22	26	37	0	0	63	2.4%
Brule	22	6	3	1	32	62	17	8	3	91	3.5%
Buffalo	4	3	2	1	10	11	9	6	3	29	1.1%
Campbell	12	3	4	1	20	34	9	11	3	57	2.2%
Charles Mix	30	12	11	1	54	85	34	31	3	153	5.9%
Clark	11	5	0	0	16	31	14	0	0	46	1.8%
Clay	8	2	0	0	10	23	6	0	0	28	1.1%
Day	12	8	1	0	21	34	23	3	0	60	2.3%
Deuel	3	3	0	0	6	9	9	0	0	17	0.7%
Douglas	9	12	1	0	22	26	34	3	0	63	2.4%
Edmunds	10	6	0	0	16	28	17	0	0	46	1.8%
Faulk	20	11	0	0	31	57	32	0	0	88	3.4%
Grant	11	9	0	0	20	31	26	0	0	57	2.2%
Hamlin	6	2	0	0	8	17	6	0	0	23	0.9%
Hand	30	26	9	0	65	85	75	25	0	185	7.1%
Hanson	11	10	0	0	21	31	29	0	0	60	2.3%
Hughes	17	3	2	1	23	48	9	6	3	65	2.5%
Hutchinson	23	15	0	0	38	65	43	0	0	108	4.2%
Hyde	12	8	1	0	21	34	23	3	0	60	2.3%
Jerauld	24	13	0	0	37	68	37	0	0	105	4.1%
Kingsbury	5	6	0	0	11	14	17	0	0	31	1.2%
Lake	10	1	0	0	11	28	3	0	0	31	1.2%
Lincoln	4	4	0	0	8	11	11	0	0	23	0.9%
McCook	10	11	0	0	21	28	32	0	0	60	2.3%
McPherson	12	8	0	0	20	34	23	0	0	57	2.2%
Marshall	3	4	0	0	7	9	11	0	0	20	0.8%
Miner	10	3	0	0	13	28	9	0	0	37	1.4%
Moody	4	5	0	0	9	11	14	0	0	26	1.0%
Potter	9	6	2	0	17	26	17	6	0	48	1.9%
Roberts	19	5	0	0	24	54	14	0	0	68	2.6%
Sanborn	21	12	0	0	33	60	34	0	0	94	3.6%
Spink	19	11	0	0	30	54	32	0	0	85	3.3%
Sully	4	7	0	1	12	11	20	0	3	34	1.3%
Turner	5	0	0	0	5	14	0	0	0	14	0.5%
Union	7	1	0	0	8	20	3	0	0	23	0.9%
Walworth	10	8	0	1	19	28	23	0	3	54	2.1%
Unknown	36	27	2	1	66						
<b>TOTALS</b>	<b>576</b>	<b>355</b>	<b>38</b>	<b>9</b>	<b>978</b>	<b>1,532</b>	<b>941</b>	<b>101</b>	<b>24</b>	<b>2,598</b>	

Any by county projected harvest values will differ from by unit projected harvest values due to incorrect sampling proportions within counties.  
 Use these figures for approximations only!

## 2009 East River Special Buck Harvest Projections

Unit/Type	Licenses				Harvest Projections				Total Deer Harvest	Mean Satisfactn Rating	Average Days Hunted
	Resident		Response Rate	Tag Success	Whitetail		Mule Deer				
	Avail.	Sold			Bucks	Does	Bucks	Does			
ER-01	400	401	88%	47%	153	15	21	0	188	4.83	6.14

# Units less than 85% response rate & harvest projections may not be within +/- 15% of sample statistic.

## 2009 East River Special Buck Harvest Distribution

County	Reported Harvest					Projected Harvest					Total Projected	%
	Whitetail		Mule Deer		Total	Whitetail		Mule Deer		Total		
	Bucks	Does	Bucks	Does		Bucks	Does	Bucks	Does			
Minnehaha	4	0	0	0	4	5	0	0	0	5	2.4%	
Brown	8	0	0	0	8	9	0	0	0	9	4.9%	
Beadle	3	0	0	0	3	3	0	0	0	3	1.8%	
Codington	2	0	0	0	2	2	0	0	0	2	1.2%	
Brookings	5	1	0	0	6	6	1	0	0	7	3.7%	
Yankton	13	0	0	0	13	15	0	0	0	15	7.9%	
Davison	2	0	0	0	2	2	0	0	0	2	1.2%	
Aurora	1	1	0	0	2	1	1	0	0	2	1.2%	
Bon Homme	5	1	0	0	6	6	1	0	0	7	3.7%	
Brule	0	0	0	0	0	0	0	0	0	0	0.0%	
Buffalo	1	0	0	0	1	1	0	0	0	1	0.6%	
Campbell	1	1	1	0	3	1	1	1	0	3	1.8%	
Charles Mix	5	0	9	0	14	6	0	10	0	16	8.5%	
Clark	7	0	0	0	7	8	0	0	0	8	4.3%	
Clay	2	0	0	0	2	2	0	0	0	2	1.2%	
Day	3	0	0	0	3	3	0	0	0	3	1.8%	
Deuel	0	0	0	0	0	0	0	0	0	0	0.0%	
Douglas	1	0	0	0	1	1	0	0	0	1	0.6%	
Edmunds	1	0	0	0	1	1	0	0	0	1	0.6%	
Faulk	2	1	0	0	3	2	1	0	0	3	1.8%	
Grant	2	1	0	0	3	2	1	0	0	3	1.8%	
Hamlin	5	0	0	0	5	6	0	0	0	6	3.1%	
Hand	5	0	4	0	9	6	0	5	0	10	5.5%	
Hanson	1	0	0	0	1	1	0	0	0	1	0.6%	
Hughes	2	0	0	0	2	2	0	0	0	2	1.2%	
Hutchinson	5	0	0	0	5	6	0	0	0	6	3.1%	
Hyde	4	0	0	0	4	5	0	0	0	5	2.4%	
Jerauld	2	0	0	0	2	2	0	0	0	2	1.2%	
Kingsbury	1	0	0	0	1	1	0	0	0	1	0.6%	
Lake	3	0	0	0	3	3	0	0	0	3	1.8%	
Lincoln	6	1	0	0	7	7	1	0	0	8	4.3%	
McCook	1	1	0	0	2	1	1	0	0	2	1.2%	
McPherson	1	0	0	0	1	1	0	0	0	1	0.6%	
Marshall	5	0	0	0	5	6	0	0	0	6	3.1%	
Miner	1	1	0	0	2	1	1	0	0	2	1.2%	
Moody	1	0	0	0	1	1	0	0	0	1	0.6%	
Potter	0	0	3	0	3	0	0	3	0	3	1.8%	
Roberts	1	0	0	0	1	1	0	0	0	1	0.6%	
Sanborn	0	1	0	0	1	0	1	0	0	1	0.6%	
Spink	4	2	0	0	6	5	2	0	0	7	3.7%	
Sully	3	0	1	0	4	3	0	1	0	5	2.4%	
Turner	7	0	0	0	7	8	0	0	0	8	4.3%	
Union	6	1	0	0	7	7	1	0	0	8	4.3%	
Walworth	1	0	0	0	1	1	0	0	0	1	0.6%	
Unknown	1	0	0	0	1							
<b>TOTALS</b>	<b>134</b>	<b>13</b>	<b>18</b>	<b>0</b>	<b>165</b>	<b>153</b>	<b>15</b>	<b>21</b>	<b>0</b>	<b>188</b>		

Any by county projected harvest values will differ from by unit projected harvest values due to incorrect sampling proportions within counties.  
Use these figures for approximations only!

## **NATIONAL WILDLIFE REFUGE DEER**

There were a total of 384 licenses issued for the 2009 Wildlife Refuge Deer seasons, which included 275 at Sand Lake (247 residents and 28 nonresidents); 43 at Lacreek (39 residents and 4 nonresidents); and 66 at Waubay (63 residents and 3 nonresidents).

All license-holders for each season were surveyed and response rates for Sand Lake, Lacreek, and Waubay refuges were 82%, 86%, and 92%, respectively. Approximately 35% of responding hunters used the Internet response system.

The seasons had different opening dates at each refuge. The average days hunted were 2.88 at Sand Lake, 2.61 at Lacreek and 2.23 at Waubay.

The reported harvest at the refuges consisted only of white-tailed deer. The projected harvest for Sand Lake was 58 bucks and 66 does, for Lacreek was 19 bucks and 4 does, and for Waubay was 16 bucks and 9 does. The projected success rate for Sand Lake was 23%, for Lacreek was 52%, and for Waubay was 38%.

### Summary comparisons of the 2000-2009 National Wildlife Refuge Deer Seasons

#### SAND LAKE NATIONAL WILDLIFE REFUGE

<b>YEAR</b>	<b>LICENSES</b>	<b>BUCKS</b>	<b>DOES</b>	<b>% SUCCESS</b>	<b>AVE DAYS HUNTED</b>
2000	594	130	86	36%	2.04
2001	593	136	68	34%	2.50
2002	594	174	67	41%	2.61
2003	594	169	50	37%	2.60
2004	436	80	92	30%	2.56
2005	420	73	75	28%	2.71
2006	444	92	79	29%	2.81
2007	436	103	83	33%	2.68
2008	399	86	112	25%	3.39
2009	275	58	66	23%	2.88

#### LACREEK NATIONAL WILDLIFE REFUGE

<b>YEAR</b>	<b>LICENSES</b>	<b>BUCKS</b>	<b>DOES</b>	<b>% SUCCESS</b>	<b>AVE DAYS HUNTED</b>
2000	44	7	4	25%	2.79
2001	44	11	1	27%	1.86
2002	44	9	4	30%	2.30
2003	44	10	5	34%	2.40
2004	44	16	3	43%	2.83
2005	45	10	8	40%	2.93
2006	38	10	5	39%	2.56
2007	43	16	6	51%	2.78
2008	43	11	6	40%	2.43
2009	43	19	4	52%	2.61

#### WAUBAY NATIONAL WILDLIFE REFUGE

<b>YEAR</b>	<b>LICENSES</b>	<b>BUCKS</b>	<b>DOES</b>	<b>% SUCCESS</b>	<b>AVE DAYS HUNTED</b>
2000	71	15	12	38%	2.29
2001	71	14	12	37%	2.30
2002	71	14	9	32%	2.04
2003	71	31	13	62%	1.74
2004	70	26	11	53%	2.32
2005	71	27	8	49%	2.00
2006	71	14	11	35%	2.62
2007	71	19	13	33%	2.07
2008	66	17	5	33%	2.29
2009	66	16	9	38%	2.23

## 2009 Sand Lake Refuge Deer Harvest Projections

Last Revised:		Licenses						Harvest Projections						Total Deer	Mean Satisf	Avg Days Hunted
15-Mar-10		Resident			Nonresident			Response Rate	Unit/Subunit Success	Whitetail		Mule Deer				
Unit/Type	Appl. 1st Choice *	Available	Sold	Appl. 1st Choice *	Available	Sold					Bucks	Does	Bucks	Does	Harvested	Score
SL1-08	170	40	40	8	4	4	86%	47%	17	3	0	0	21	4.71	3.26	
Same Season 2nd Tag								5%	0	2	0	0	2			
SL1-09	0	10	10	1	1	1	82%	# 33%	0	4	0	0	4	4.00	3.11	
Same Season 2nd Tag								0%	0	0	0	0	0			
SL2-08	126	40	40	13	4	4	84%	# 46%	15	5	0	0	20	4.08	2.57	
Same Season 2nd Tag								19%	0	8	0	0	8			
SL2-09		10	10	0	1	1	91%	40%	0	4	0	0	4	2.20	2.10	
Same Season 2nd Tag								30%	0	3	0	0	3			
SL3-08	57	40	41	1	4	3	80%	# 40%	13	5	0	0	18	3.51	3.17	
Same Season 2nd Tag								23%	1	9	0	0	10			
SL3-09	1	10	10	0	1	1	82%	# 22%	0	2	0	0	2	4.11	2.56	
Same Season 2nd Tag								0%	0	0	0	0	0			
SL4-08	21	40	40	1	4	4	80%	# 40%	10	8	0	0	18	3.40	3.51	
Same Season 2nd Tag								20%	0	9	0	0	9			
SL4-09	1	10	7	1	1	4	91%	40%	1	3	0	0	4	3.60	2.60	
Same Season 2nd Tag								0%	0	0	0	0	0			
SL5-08	49	40	40	5	4	4	77%	# 29%	9	4	0	0	13	3.85	2.12	
Same Season 2nd Tag								9%	0	4	0	0	4			
SL5-09	2	10	9	1	1	2	82%	# 22%	0	2	0	0	2	3.44	3.00	
Same Season 2nd Tag								0%	0	0	0	0	0			
<b>Licenses</b>	<b>427</b>	<b>250</b>	<b>247</b>	<b>31</b>	<b>25</b>	<b>28</b>	<b>82.2%</b>	<b># 23%</b>	<b>58</b>	<b>66</b>	<b>0</b>	<b>0</b>	<b>124</b>	<b>3.83</b>	<b>2.88</b>	
<b>Tags</b>		<b>500</b>	<b>494</b>		<b>50</b>	<b>56</b>										

## 2009 Lacreek Refuge Deer Harvest Projections

Last Revised:		Licenses						Harvest Projections						Total Deer	Mean Satisf	Avg Days Hunted
		Resident			Nonresident			Response Rate	Unit/Subunit Success	Whitetail		Mule Deer				
Unit/Type	Appl. 1st Choice *	Available	Sold	Appl. 1st Choice *	Available	Sold					Bucks	Does	Bucks	Does	Harvested	Score
LC1-11	105	15	15	4	2	2	75%	# 50%	9	0	0	0	9	5.83	3.50	
LC1-13	0	5	6	0	1	0	100%	50%	2	1	0	0	3	3.67	2.17	
LC2-11	104	15	15	9	2	2	94%	56%	9	1	0	0	10	4.94	2.19	
LC2-13	0	5	3	0	1	0	67%	# 50%	0	2	0	0	2	6.00	2.00	
<b>Licenses</b>	<b>209</b>	<b>40</b>	<b>39</b>	<b>13</b>	<b>6</b>	<b>4</b>	<b>85.7%</b>	<b>52%</b>	<b>19</b>	<b>4</b>	<b>0</b>	<b>0</b>	<b>23</b>	<b>5.08</b>	<b>2.61</b>	

All units require the use of muzzleloader firearms.

## 2009 Waubay Refuge Deer Harvest Projections

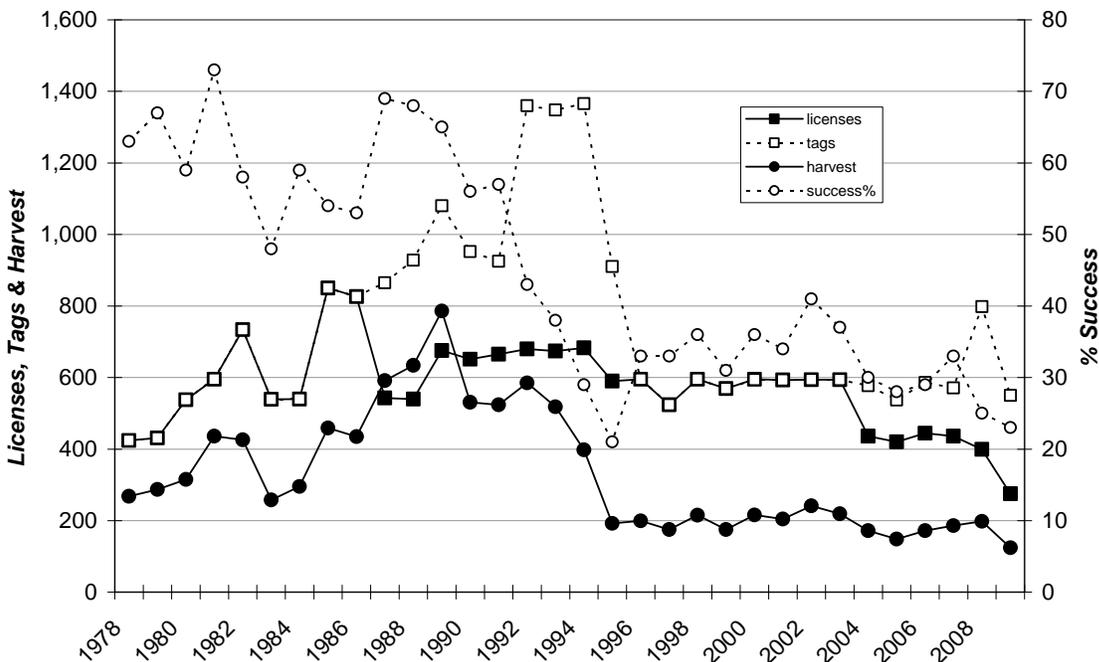
Last Revised:		Licenses						Harvest Projections						Total Deer	Mean Satisf	Avg Days Hunted
		Resident			Nonresident			Response Rate	Unit/Subunit Success	Whitetail		Mule Deer				
Unit/Type	Appl. 1st Choice *	Available	Sold	Appl. 1st Choice *	Available	Sold					Bucks	Does	Bucks	Does	Harvested	Score
WA1-01	56	20	21	1	2	1	95%	43%	9	0	0	0	9	4.33	2.76	
WA2-01	9	20	22	0	2	0	91%	45%	4	6	0	0	10	4.10	2.25	
WA3-01	16	20	20	3	2	2	91%	25%	2	3	0	0	6	3.10	1.65	
<b>Licenses</b>	<b>81</b>	<b>60</b>	<b>63</b>	<b>4</b>	<b>6</b>	<b>3</b>	<b>92.4%</b>	<b>38%</b>	<b>16</b>	<b>9</b>	<b>0</b>	<b>0</b>	<b>25</b>	<b>3.85</b>	<b>2.23</b>	

Response rate for all units combined was: **84.3%**

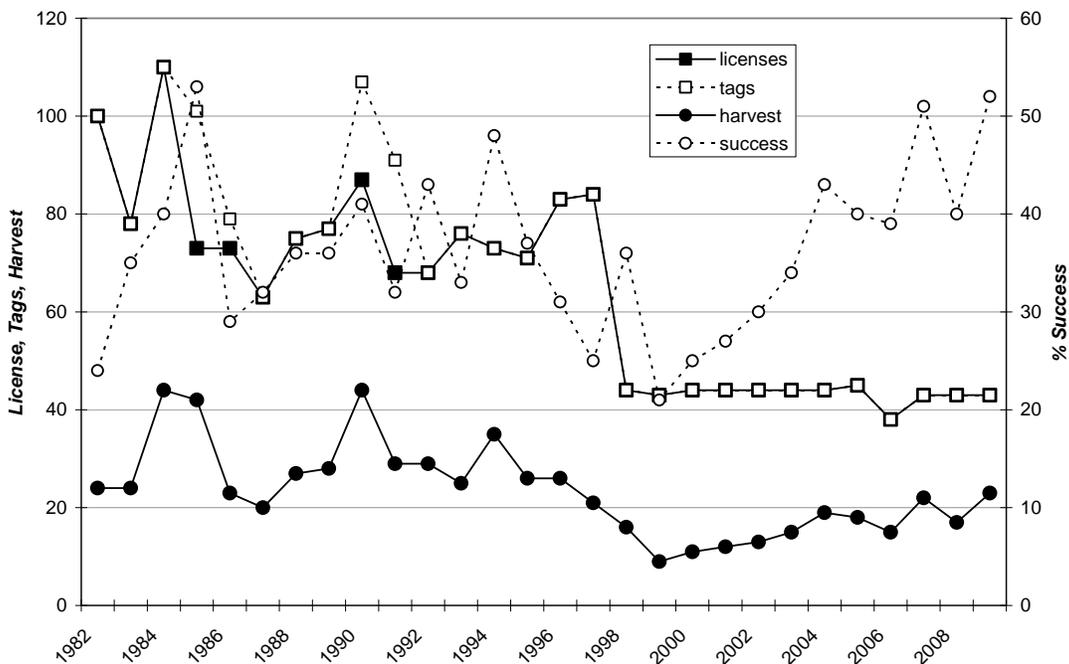
# Units with less than 85% response rate and may not be within accepted tolerance for data accuracy.

\* Number of 1st drawing applicants with that season as 1st choice.

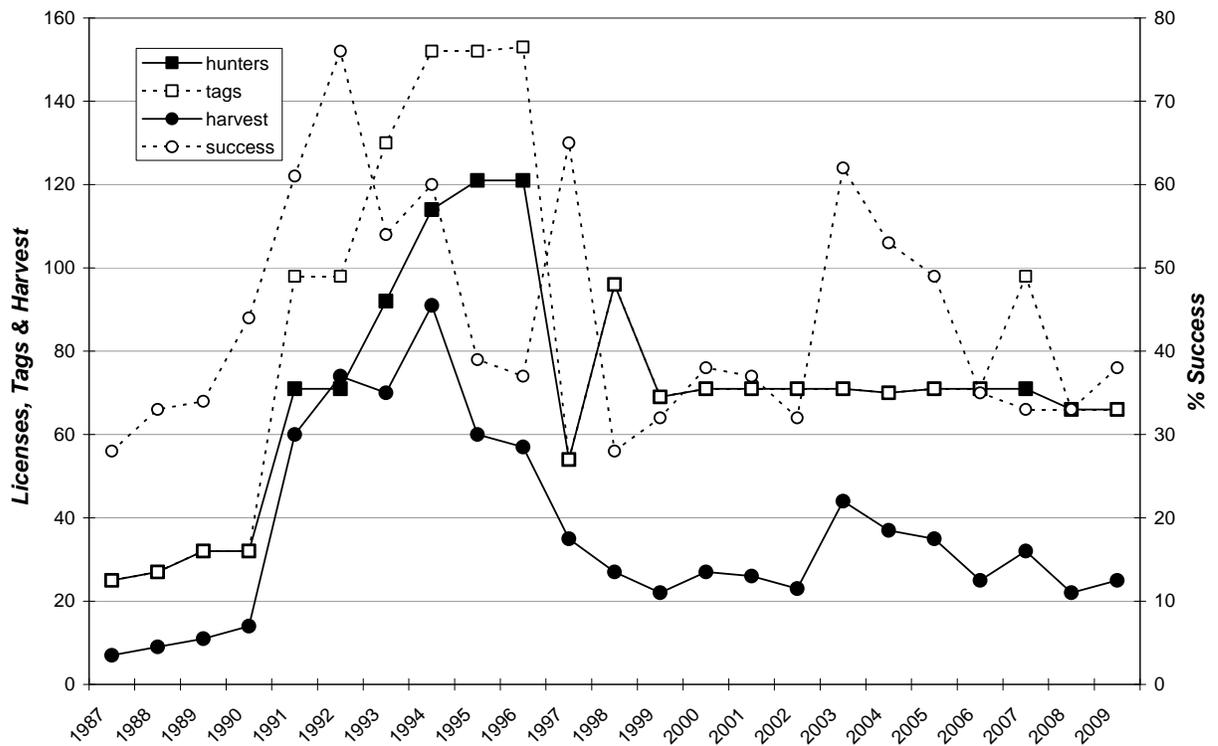
### Sand Lake National Wildlife Refuge 1978-2009



### Lacreek National Wildlife Refuge 1982-2009



### Waubay National Wildlife Refuge 1987-2009



# **BLACK HILLS DEER**

There were 7,831 single-tag licenses issued for the 2009 Black Hills Deer season (7,218 resident, 613 nonresident).

A random sample of 3,104 hunters was taken (40% of license holders) and there were 2,683 responses for an 86% return rate. Approximately 59% of responding hunters used the Internet to respond to their survey.

The season ran the usual month of November, a total of 30 days. The special antlerless season again ran the entire month of November, an increase from the 10-day season in 2004. Those responding reported hunting an average of 4.75 days, which projected to 36,390 recreation days for the season. Of those responding, 9.9% stated they did not hunt at all during the season.

The mean satisfaction score for all combined units was 4.53. The satisfaction scale ranged from 1 = "very dissatisfied" to 7 = "very satisfied".

The harvest projection for the Black Hills Deer season was 3,781 deer (2,287 adult whitetail bucks, 163 fawn whitetail bucks, 1,011 adult whitetail does, 111 fawn whitetail does, 123 adult mule deer bucks, 11 fawn mule deer bucks, 71 adult mule deer does and 3 fawn mule deer does). The overall season harvest success rate was 48%, down from 51% in 2008.

Including the estimated Black Hills harvest from the Archery, Youth and Muzzleloader seasons, approximately 5,466 deer were harvested in the Black Hills proper.

## Summary comparison of the 2000-2009 Black Hills Deer seasons

YEAR	Licenses Sold		Harvest				Total	Success	Avg Days Hunted	Avg Satis
	Resident	Nonres	Bucks		Does					
			WT	Mule	WT	Mule				
2000	7,350	571	2,603	500	782	84	3,969	50%	3.89	5.23
2001	6,211	496	2,419	859	313	71	3,662	55%	4.14	5.20
2002	5,980	474	2,365	618	346	40	3,369	52%	4.59	5.25
2003	5,965	473	2,427	694	402	53	3,576	56%	4.01	5.42
2004	6,810	536	2,802	783	946	58	4,589	62%	4.14	5.46
2005	7,217	597	2,219	696	1,324	8	4,247	54%	4.12	5.50
2006	8,250	689	2,746	722	1,770	167	5,405	60%	4.22	5.37
2007	8,240	709	3,172	133	1,988	104	5,397	60%	4.45	5.27
2008	8,451	722	2,620	138	1,824	56	4,638	51%	4.08	5.11
2009	7,218	613	2,450	134	1,122	74	3,781	48%	4.75	4.53

## 2009 Black Hills Deer Harvest Projections

Last Revised: 10 March 2010

Unit/Type	Licenses				Hunters	Resp.	Success	Harvest Projections								Total Deer Harvested	Mean Satisfctn Score	Avg Days Hunted
	Resident		Nonresident					Whitetail		Mule Deer		Bucks	Does	Bucks	Does			
	Avail.	Sold	Avail.	Sold				Adult	Fawn	Adult	Fawn							
Black Hills	7,200	7,218	576	613	7,661	86%	48%	2,287	163	1,011	111	123	11	71	3	3,781	4.53	4.75

Satisfaction scale of 1=very dissatisfied to 7=very satisfied.

# Harvest projections were developed for units where response rate was less than 85% and may not be within +/- 15% of the sample statistic.

## 2009 Black Hills Deer Harvest Projections

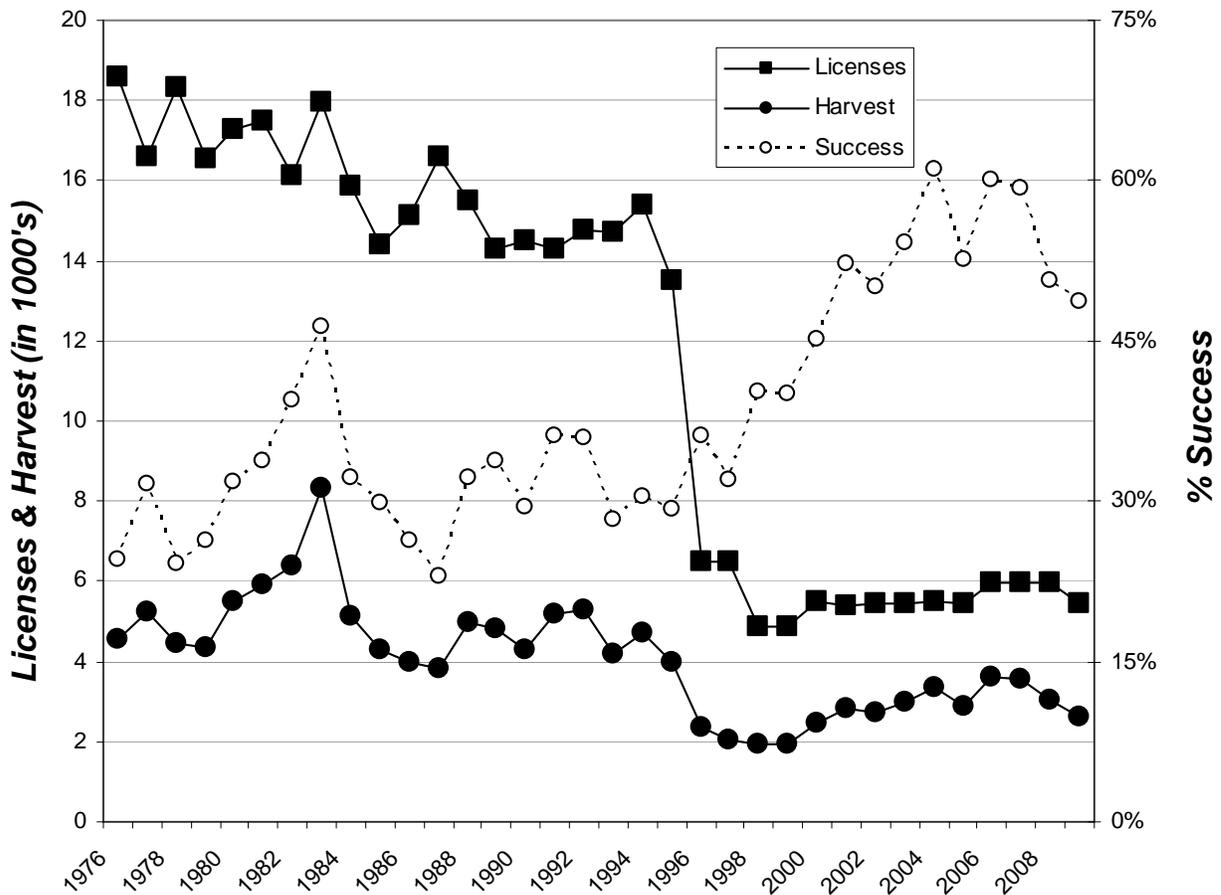
Last Revised: 3 May 2010

Unit/Type	Licenses							Success	Harvest Projections								Total Deer Harvested	Mean Satisfctn Score	Avg Days Hunted
	Resident			Nonresident					Whitetail				Mule Deer						
	Appl. 1st Choice *	Avail.	Sold	Appl. 1st Choice *	Avail.	Sold	Bucks		Does	Adult	Fawn	Bucks	Does	Adult	Fawn				
BH1-01	4,815	500	518	424	40	40	49%	144	0	3	3	123	0	0	0	273	4.86	5.23	
BH1-11	7,206	4,500	4,506	786	360	359	51%	2,140	43	243	34	0	0	0	2,459	4.59	5.22		
BD1-03	78	400	410	21	32	32	47%	3	14	98	10	0	11	71	208	4.03	3.64		
BD1-13	17	800	762	8	64	102	21%	0	26	154	3	0	0	0	183	3.80	3.45		
BD2-13	106	250	250	47	20	20	57%	0	9	125	19	0	0	0	153	4.84	3.04		
BD3-13	55	250	251	11	20	20	53%	0	32	110	3	0	0	0	145	4.31	4.07		
BD4-13	61	500	521	22	40	40	64%	0	39	279	39	0	0	0	357	4.88	3.56		
	<b>12,338</b>	<b>7,200</b>	<b>7,218</b>	<b>1,319</b>	<b>576</b>	<b>613</b>	<b>48%</b>	<b>2,287</b>	<b>163</b>	<b>1,011</b>	<b>111</b>	<b>123</b>	<b>11</b>	<b>71</b>	<b>3,781</b>	<b>4.53</b>	<b>4.75</b>		

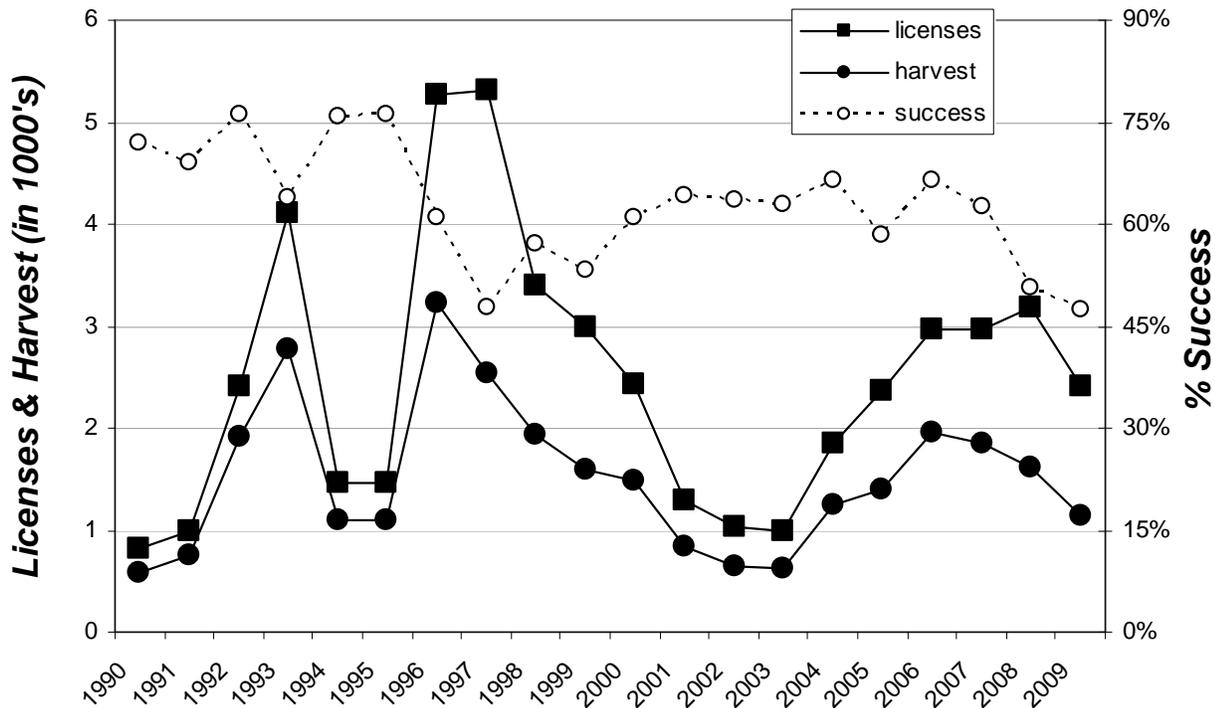
Satisfaction scale of 1=very dissatisfied to 7=very satisfied.

\* Number of 1st drawing applicants with that season as 1st choice.

### Black Hills Buck/Any Deer 1976-2009



## Black Hills Antlerless Deer 1990-2009



## **MOUNTAIN GOAT**

There was no season for Mountain Goats in the Black Hills for 2009.

Comparison of the 1997-2009 Black Hills Mountain Goat seasons

<i>Year</i>	<i>Apps/License</i>	<i>Billies Harvested</i>	<i>Nannies Harvested</i>	<i>Success</i>	<i>Avg. Days Hunted</i>
1997	1,600/4	3	1	100%	3.5
1998	1,776/4	4	0	100%	3.5
1999	1,867/4	4	0	100%	4.25
2000	1,873/4	3	0	75%	2.25
2001	1,919/4	2	2	100%	1.5
2002	1,955/3	2	1	100%	1.7
2003	2,046/3	1	2	100%	5.7
2004	2,189/3	1	2	100%	6.3
2005	2,591/2	0	2	100%	2.5
2006	2,678/2	0	1	50%	5.5
2007	No Season				
2008	No Season				
2009	No Season				

## **BIGHORN SHEEP**

This was the tenth year bighorn sheep licenses were made available outside Custer State Park. The 2009 season was open from October 3 through November 30. In addition to the traditional unit in Pennington County west of SD Highway 79, an additional unit 2 was created in 2008 in Custer County west of Highway 79 with one license available. There were 3,541 applicants for the five any-bighorn licenses (3,069 for unit 1 and 472 for unit 2). All hunters were surveyed and all were successful at harvesting a ram. They reported hunting 43 total days, an average of 8.6 days per hunter.

Comparison of the 2000-2009 Black Hills Bighorn Sheep seasons

<i>Year</i>	<i>Apps/License</i>	<i>Rams Harvested</i>	<i>Ewes Harvested</i>	<i>Success</i>	<i>Avg. Days Hunted</i>
2000	1,197/2	2	0	100%	4.0
2001	1,459/2	2	0	100%	1.5
2002	1,724/2	2	0	100%	4.0
2003	1,880/2	2	0	100%	2.5
2004	2,087/3	3	0	100%	6.0
2005	2,741/3	3	0	100%	6.7
2006	3,003/3	3	0	100%	6.0
2007	3,514/4	4	0	100%	7.3
2008	3,533/5	5	0	100%	4.8
2009	3,541/5	5	0	100%	8.6

# **MOUNTAIN LION**

The 2009 season opened on January 1 and ended on February 14, 2009 when it was closed due to the female harvest quota being met.

There were 2,428 mountain lion licenses issued in 2009, a 40% increase from 2007. All license holders were sampled and the survey response rate was 81%.

The overall success rate for the statewide unit was 1.07%, with 11 males and 15 females harvested.

Average hunter satisfaction was 5.08 and was based on a numerical scale from 1 (very dissatisfied) to 7 (very satisfied), 4 being neutral.

## Harvest summaries for 2007-2009 Statewide Mountain Lion seasons

YEAR	Licenses Sold	Actual Harvest		Success	Active Hunters	Average Satisfaction
		Males	Females			
2007	4,070	3	16	0.47%	2,401	5.08
2008	No Season					
2009	2,428	11	15	1.07%	1,646	5.18

## Harvest summaries for 2005-2006 Black Hills Mountain Lion seasons

YEAR	Licenses Sold	Actual Harvest		Success	Active Hunters	Average Satisfaction
		Males	Females			
2005	2,294	6	7	0.57%	1,305	5.31
2006	3,016	7	8	0.50%	1,807	5.06

## Harvest summaries for 2005-2006 Prairie Mountain Lion seasons

YEAR	Licenses Sold	Actual Harvest		Success	Active Hunters	Average Satisfaction
		Males	Females			
2005	303	0	0	0%	UNK	UNK
2006	290	1	0	0.34%	UNK	UNK

# **CLUSTER STATE PARK**

## **CSP DEER**

For the white-tail doe season we received 33 report cards and 8 of the 33 reported hunters did not hunt; however, for the 25 hunters that hunted, 20 killed antlerless deer (80%). Of the 25 hunters, we had 14 kill 2 antlerless deer. Furthermore, we had any white-tail license tag holders (8 of 10 [80%]) kill an additional 8 antlerless deer. Therefore, there were a total of 42 antlerless deer (39 adult does and 3 female fawns) harvested during the any white-tail and antlerless seasons. Unfortunately, during the antlerless season, some hunters were not successful ( $n = 5$ , 20%), and some only harvested one antlerless deer ( $n = 6$ , 30%). Overall, the antlerless deer harvest was similar to last year. For the any deer seasons both mature mule deer and white-tailed bucks were killed.

Summary comparison of the 2001-2009 seasons

<b>Year</b>	<b>Apps/Licenses</b>	<b>WT Harvest</b>	<b>MD Harvest</b>	<b>Success</b>	<b>Avg. Days Hunted</b>
2001	606/4	2 bucks	2 bucks	100%	5.0
2002	651/6	4 bucks	2 bucks	100%	5.67
2003	708/42	11 bucks, 18 does	1 buck	100%	2.1
2004	757/52	9 bucks, 20 does	2 bucks	60%	1.1
2005	876/50	12 bucks, 17 does	2 bucks, 1 doe	64%	1.6
2006	1,016/37	9 bucks, 32 does	2 bucks	97%	2.68
2007	1,203/37	9 bucks, 31 does	2 bucks	95%	2.8
2008	1,088/47	8 bucks, 38 does	2 bucks	86%	3.0
2009	1,667/47	10 bucks, 42 does	2 bucks	87%	2.7

## **CSP SPRING TURKEY**

We collected information from 111 report cards. We had 10 hunters (9%) which did not hunt and participate in the CSP hunt. Therefore, 91% ( $n = 101$ ) of hunters that received a license visited the Park to hunt spring turkeys. Of the hunters that participated, we had a harvest success rate of 79% (80 of 101). Most hunters used shotguns (97%) and only 3% used bow and arrow. The majority of birds harvested were mature gobblers (2+ years of age) at 96%, with a break down of ages including juveniles at 4%, 2-year olds at 54%, 3-year olds at 31%, and 4+-year olds at 11%. Last year 4+-year olds made up 26% of the harvest and this year older birds were lacking in the harvest. More 2-year olds were harvested this season. Most comments indicated an excellent hunt and hunters enjoyed the experience.

Summary comparison of the 2001-2009 seasons

<b>Year</b>	<b>Apps/Licenses</b>	<b>Harvest</b>	<b>Success</b>	<b>Avg. Days Hunted</b>
2001	451/100	34	34%*	3.10
2002	520/100	37	37%*	2.77
2003	540/100	47	47%*	2.57
2004	636/100	52	52%*	1.98
2005	663/100	47	47%*	1.73
2006	683/100	47	84%	2.20
2007	737/125	71	77%	2.50
2008	741/135	75	86%	1.80
2009	718/135	80	79%	2.20

\*Harvest and success for CSP Spring Turkey were estimated assuming all nonrespondents were unsuccessful. The 2006-09 estimates were based on the sample reporting.

## **CSP BIGHORN SHEEP**

Population surveys indicated a low population of approximately 28 bighorns in Custer State Park. Surveys indicate no lambs survived through February-March, 2010. We continue to monitor the population for disease and are testing adult females and males for *Mycoplasma ovipneumonia*. We hope to supplement the herd in the near future.

Summary comparison of the 2001-2009 seasons

<b>Year</b>	<b>Apps/Licenses</b>	<b>Harvest</b>	<b>Success</b>	<b>Avg. Days Hunted</b>
2001	2,466/3	3 rams	100%	1.66
2002	2,424/2	2 rams	100%	2.50
2003	2,506/2	2 rams	100%	1.50
2004	2,725/3	3 rams	100%	4.00
2005	CLOSED			
2006	CLOSED			
2007	CLOSED			
2008	CLOSED			
2009	CLOSED			

## **CSP ARCHERY ELK**

There were 58 archery elk licenses issued in 2009 (8 early season and 50 late season). There were 3,134 (+1,112 pref only) applicants for the early season licenses and 2,012 (+779 pref only) for the late. The average days hunted was 14 days and 6.8 days for the early and late seasons, respectively. A total of 427 recreation days were reported for both seasons. The harvest was 5 bulls and 3 cows for an overall success rate of 15%.

The 2009 season statistics were:

<b>Unit</b>	<b>Licenses Available</b>	<b>Licenses Sold</b>	<b>Response Rate</b>	<b>Success</b>	<b>Projected Harvest</b>		
					<b>Bulls</b>	<b>Cows</b>	<b>Total</b>
CU1-21	8	8	100%	25%	2	0	2
CU1-21	50	50	96%	13%	3	3	6
Total	58	58	100%	15%	8	0	8

Summary comparison of the 2001-2009 seasons

<b>Year</b>	<b>Applications</b>	<b>Licenses</b>	<b>Bull Harvest</b>	<b>Cow Harvest</b>	<b>Success</b>	<b>Avg. Days Hunted</b>
2001	2,289	58	10	4	24%	8.63
2002	2,745	58	5	3	14%	9.69
2003	2,778	58	14	3	29%	7.76
2004	3,324	55	7	0	13%	9.12
2005	3,964	57	6	3	16%	8.63
2006	4,523	56	13	0	27%	7.81
2007	4,869	58	3	1	8%	9.30
2008	5,091	58	8	0	16%	8.74
2009	5,146	58	5	3	15%	10.4

## **CSP FIREARM ELK**

There were 56 licenses available for the firearm elk seasons (35 regular season, 1 regular tag sold through the Rocky Mountain Elk Foundation by raffle, and 20 antlerless). There were 10,823 (+2,242 preference only) applications for the regular season and 3,550 (+996 pref only) for the antlerless season (2<sup>nd</sup> season only). The average days hunted for the regular season was 5.7 days and 2.5 days for the second antlerless season. There were a combined 30 bulls and 20 cows harvested in all seasons. The overall success rate was 89%.

The 2009 statistics were:

<b>Unit</b>	<b>Licenses Available</b>	<b>Licenses Sold</b>	<b>Response Rate</b>	<b>Success</b>	<b>Harvest</b>		
					<b>Bulls</b>	<b>Cows</b>	<b>Total</b>
CU1-21	36	36	100%	86%	30	1	31
CU1-23	0	0	NA	NA	0	0	0
CU2-23	20	20	100%	95%	0	19	19
CU3-23	0	0	NA	NA	0	0	0
<b>Total</b>	<b>56</b>	<b>56</b>	<b>100%</b>	<b>89%</b>	<b>30</b>	<b>20</b>	<b>50</b>

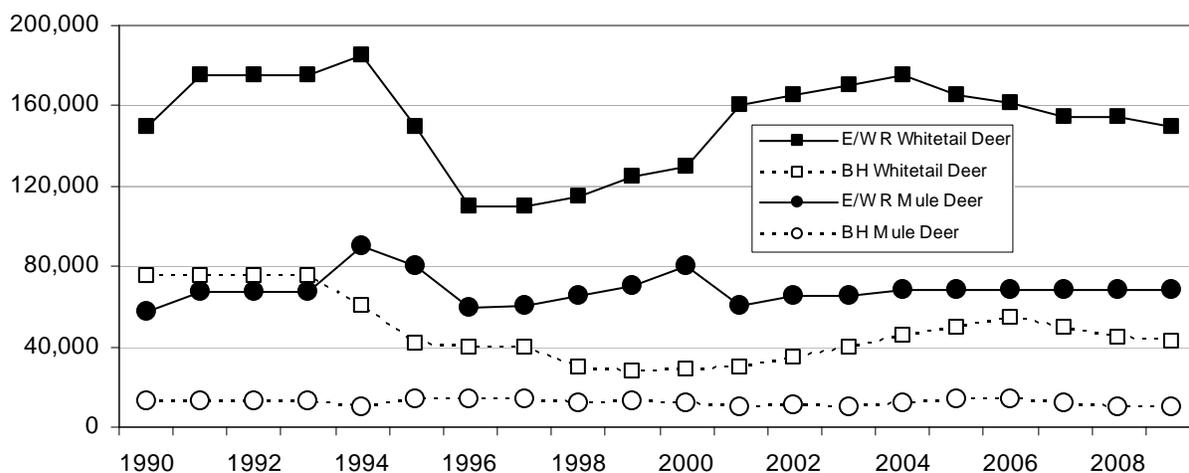
Summary comparison of the 2001-2009 seasons

<b>Year</b>	<b>Apps/Licenses</b>	<b>Bull Harvest</b>	<b>Cow Harvest</b>	<b>Success</b>	<b>Avg. Days Hunted</b>
2001	11,081/140	36	79	82%	3.01
2002	11,679/140	39	91	93%	3.57
2003	12,431/170	39	97	80%	2.91
2004	13,196/188	44	126	90%	2.27
2005	15,021/166	43	86	78%	3.21
2006	14,323/167	41	91	79%	3.11
2007	15,148/101	38	31	68%	3.70
2008	14,653/76	37	21	77%	3.33
2009	14,373/56	30	20	89%	4.10

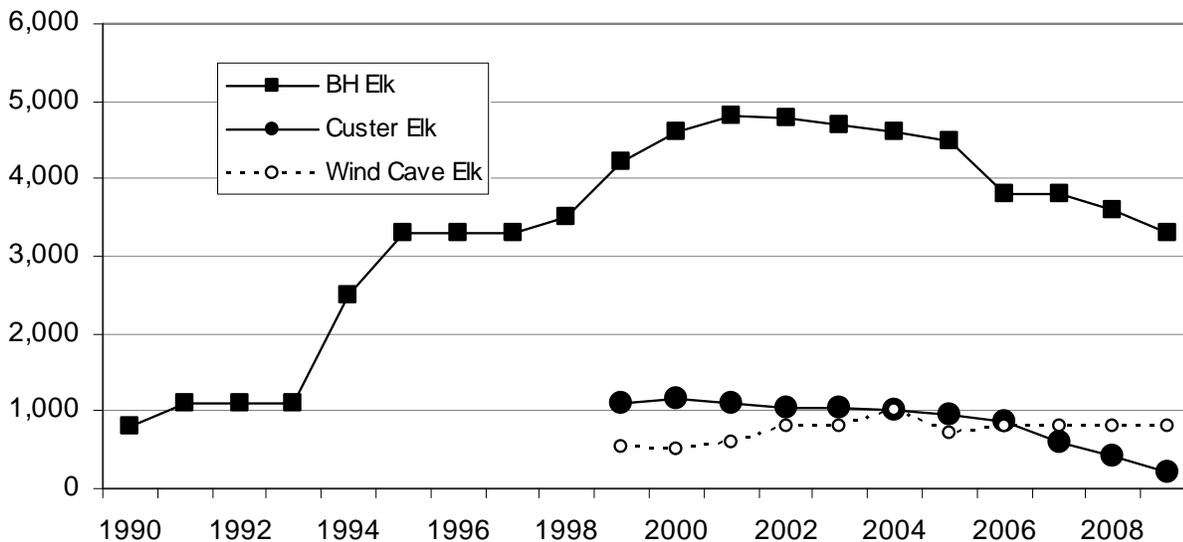
# 2009 WORKING POPULATION ESTIMATES

Source	Species	Geographic Area	2009 estimate
<b>Elk</b>			
Ted Benzon		Black Hills Proper	3,300
		Wind Cave National Park	800
Chad Lehman		Custer State Park	222
<b>White-tailed Deer</b>			
Ted Benzon		East River & West River Prairie	150,000
		Black Hills Proper	43,000
<b>Mule Deer</b>			
Ted Benzon		East River & West River Prairie	68,000
		Black Hills Proper	9,700
<b>Turkey</b>			
Ted Benzon		East River	24,000
		West River Prairie	45,000
		Black Hills Proper	40,000
<b>Pronghorn</b>			
Ted Benzon			64,000
<b>Bighorn</b>			
Ted Benzon		Badlands Nat'l Park	120
		Black Hills Proper	350
Chad Lehman		Custer State Park	27
<b>Mountain Goat</b>			
Ted Benzon			80

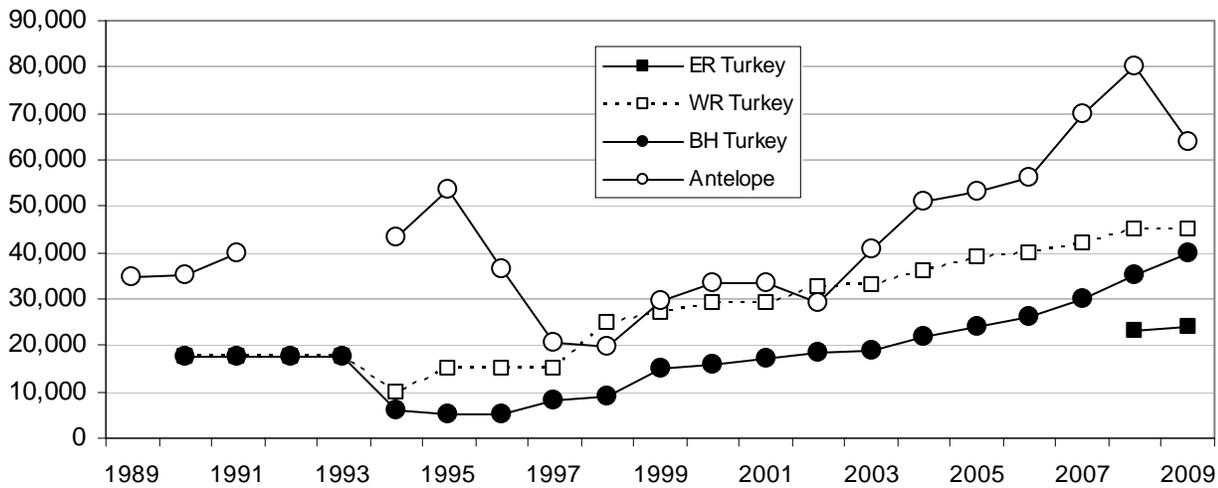
1990-2009 South Dakota Deer Population Estimates



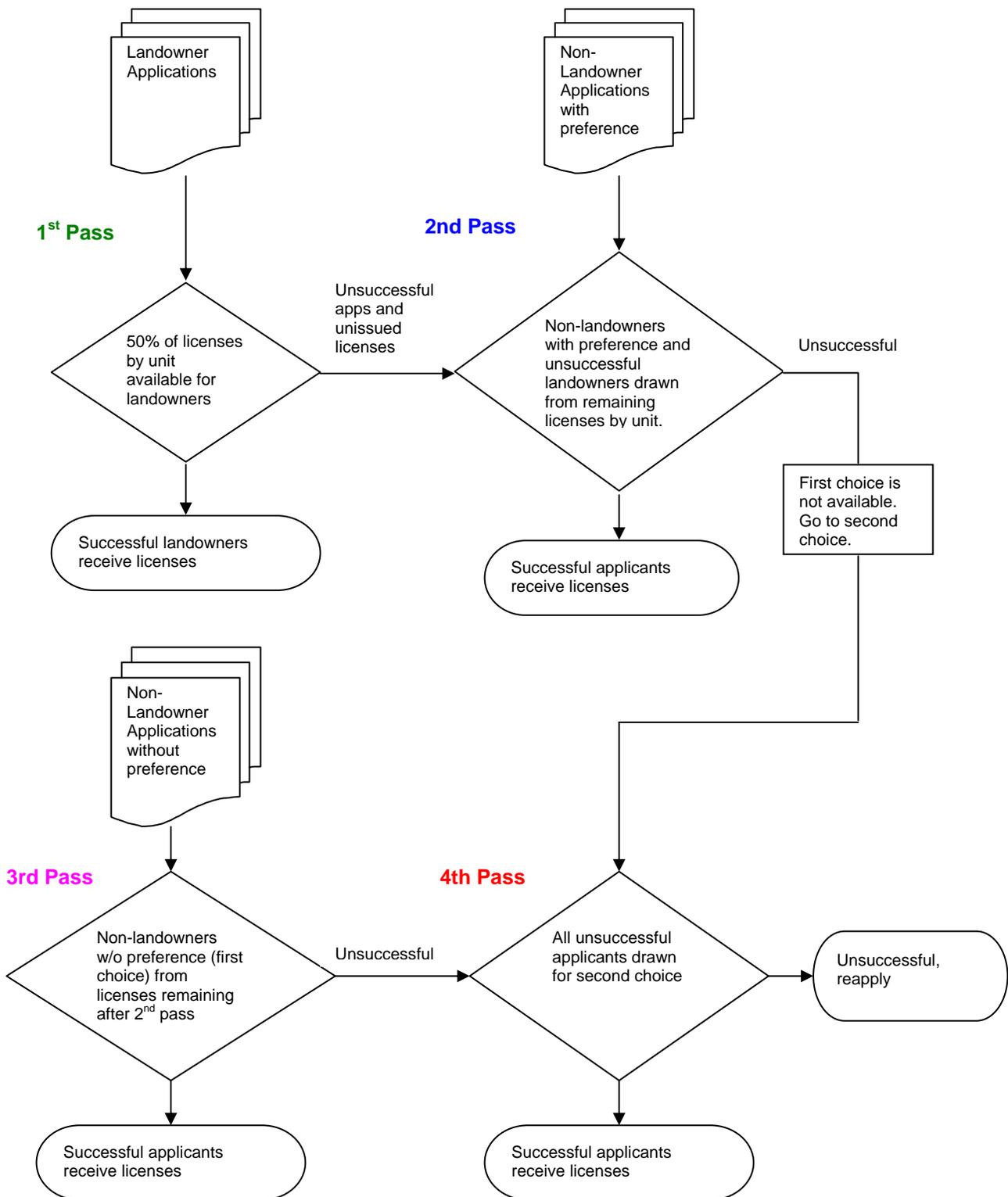
### 1990-2009 South Dakota Elk Population Estimates



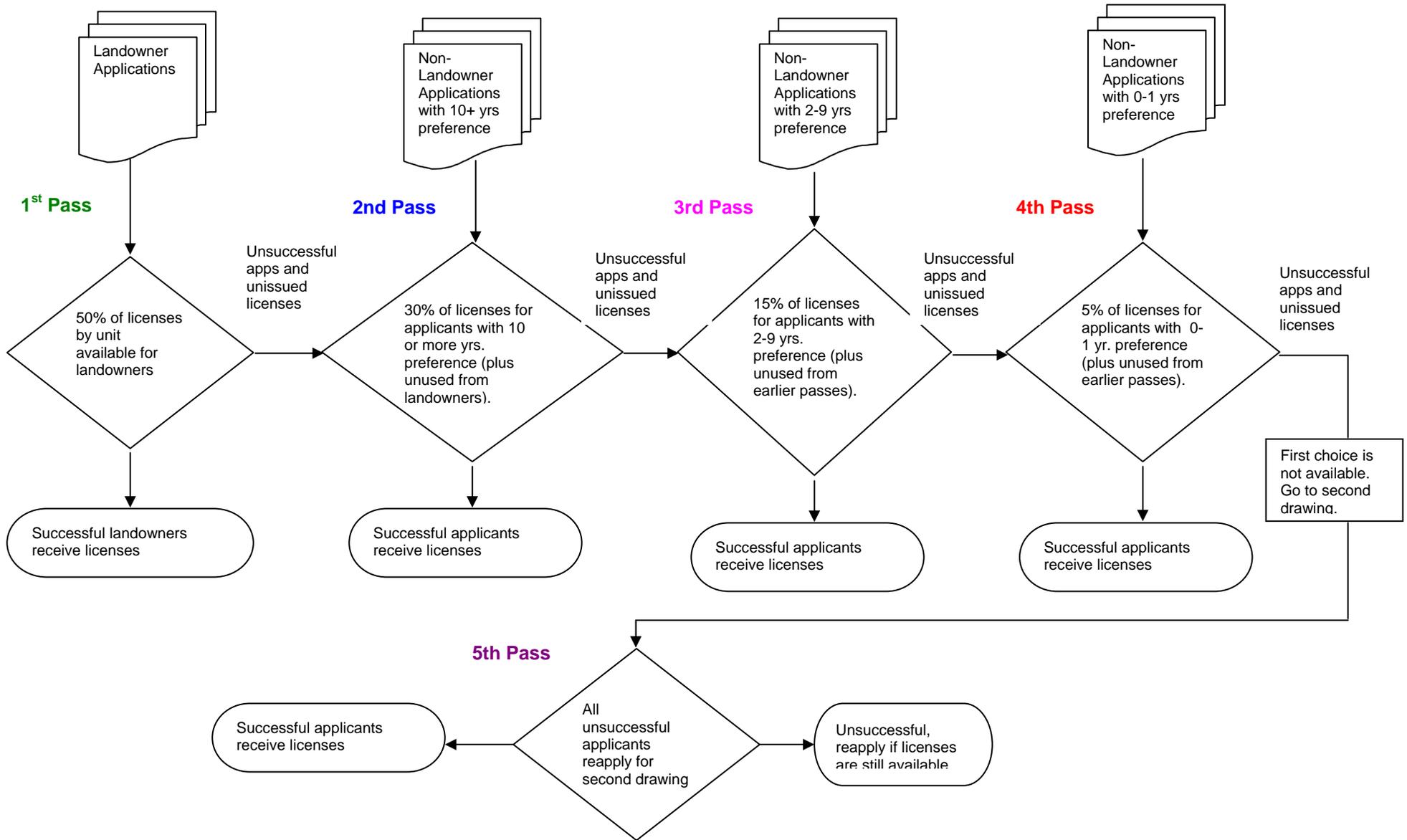
### 1989-2009 South Dakota Turkey & Antelope Population Estimates



## Big Game Drawing Process (excluding Elk)



### Big Game Drawing Process for Elk (except CSP)



## Big Game Drawing Process for Custer State Park Elk

