

ARCHERY ELK

A total of 269 resident licenses were issued for the 2022 Archery Elk season. All license holders that provided a valid email address were sent a survey at the end of the season and 200 responded for a 75% response rate. All responses were received through the Internet.

Respondents reported hunting an average of 12.27 days for a total of 3,301 days of recreation for the season. The projected harvest was 89 bulls and 18 cows for an overall success rate of 40%.

Hunter satisfaction was based on a numerical scale from 1 (very dissatisfied) to 7 (very satisfied) and averaged 5.87 for the season. Approximately 93% of responding hunters reported hunting on public land, 4% on private land they did not own, and 3% on private land they owned.

Summary comparison of the 2013-2022 Archery Elk seasons

Year	# Apps 1 st Choice	Licenses Sold	Harvest			Success Rate	Avg. Days Hunted	Average Satisfaction
			Bulls	Cows	Total			
2013	3,952	107	33	3	36	34%	11.97	5.59
2014	4,256	106	38	4	42	40%	11.68	5.61
2015	4,761	196	55	12	66	34%	11.74	5.39
2016	4,965	280	57	25	82	29%	11.11	5.40
2017	4,892	269	50	20	70	26%	11.29	5.60
2018	5,006	219	65	19	84	38%	11.70	5.50
2019	5,382	216	77	14	91	42%	11.08	5.61
2020	5,884	204	80	12	92	45%	11.24	5.90
2021	5,966	219	82	14	96	44%	11.18	5.89
2022	6,319	269	89	18	107	40%	12.27	5.87

2022 Archery Elk Harvest Projections

Last Revised: 29 March 2023

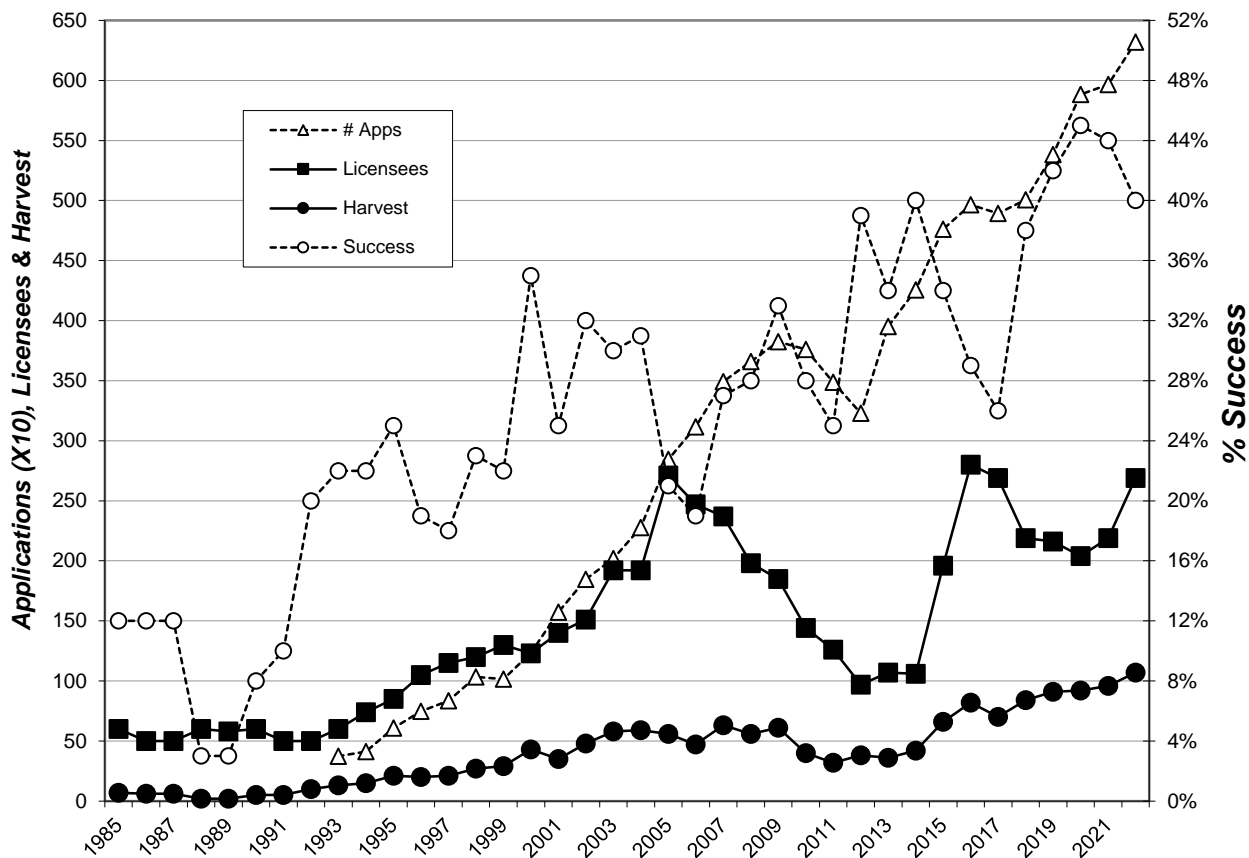
Unit/Type	Resident Licenses					Harvest Projections						Elk Shot Not Recovered	Avg Satisfctn Score	Avg Days Hunted	Land Hunted Most		
	Appl. 1st Choice *	Avail.	Sold	Resp.	Success	Bulls	Cows	Calves	Calves	Total Elk Harvested	CI (95%)				Public	Own	Other
H1A-21	769	30	30	77%	48%	14	0	0	0	14	+/-3	8	6.4	15.2	29	0	0
H1A-23	16	20	19	56%	0%	0	0	0	0	0	+/-0	2	5.1	10.0	17	0	0
H2A-21	4,308	100	100	80%	56%	54	1	1	0	56	+/-5	24	6.4	13.8	99	1	0
H2A-23	68	40	39	76%	21%	0	8	0	0	8	+/-3	5	5.8	8.7	34	0	1
H3A-21	875	40	40	68%	30%	12	0	0	0	12	+/-4	3	5.2	12.8	27	7	6
H3A-23	7	30	29	71%	30%	0	9	0	0	9	+/-3	1	5.2	8.5	25	0	3
H5A-21	41	2	2	100%	0%	0	0	0	0	0	+/-0	0	2.0	17.0	2	0	0
H7A-21	235	10	10	90%	78%	7	0	1	0	8	+/-1	3	6.4	14.6	10	0	0
Totals	6,319	272	269	75.2%	39.8%	87	18	2	0	107	+/- 19	47	5.87	12.27	243	8	9

The response rate for all units combined is: 75.2%

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

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

Archery Elk 1985-2022



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.

BLACK HILLS FIREARM ELK

A total of 1,265 licenses were issued for the 2022 Black Hills Firearm Elk season. All license holders that provided a valid email address were sent a survey at the end of the season and 828 responded for a 67% response rate. All responses were received through the Internet.

Respondents reported hunting an average of 5.78 days which projects to a total of 7,312 days of recreation for the season. The projected harvest was 426 bulls and 381 cows for an overall success rate of 64%.

Hunter satisfaction was based on a numerical scale from 1 (very dissatisfied) to 7 (very satisfied) and averaged 5.51 for the season. Approximately 86% of responding hunters reported hunting on public land, 10% on private land they did not own, and 4% on private land they owned.

Summary comparison of the 2013-2022 Black Hills Firearm Elk seasons

Year	# Apps 1 st Choice	Licenses Sold	Harvest			Success Rate	Avg. Days Hunted	Average Satisfaction
			Bulls	Cows	Total			
2013	11,274	620	272	103	374	60%	6.63	4.65
2014	11,461	664	295	178	472	71%	5.85	5.46
2015	12,126	922	312	345	657	71%	6.66	5.54
2016	12,692	1,745	363	724	1,087	62%	4.59	5.42
2017	12,201	1,581	364	682	1,047	66%	4.77	5.50
2018	11,871	1,124	315	402	717	64%	5.08	5.36
2019	12,396	1,108	332	354	686	62%	5.00	5.48
2020	13,198	926	360	224	585	63%	5.35	5.33
2021	12,656	954	370	249	619	65%	5.70	5.40
2022	13,447	1,265	426	381	808	64%	5.78	5.51

2022 Black Hills Firearm Elk Harvest Projections

Last Revised: 29 March 2023

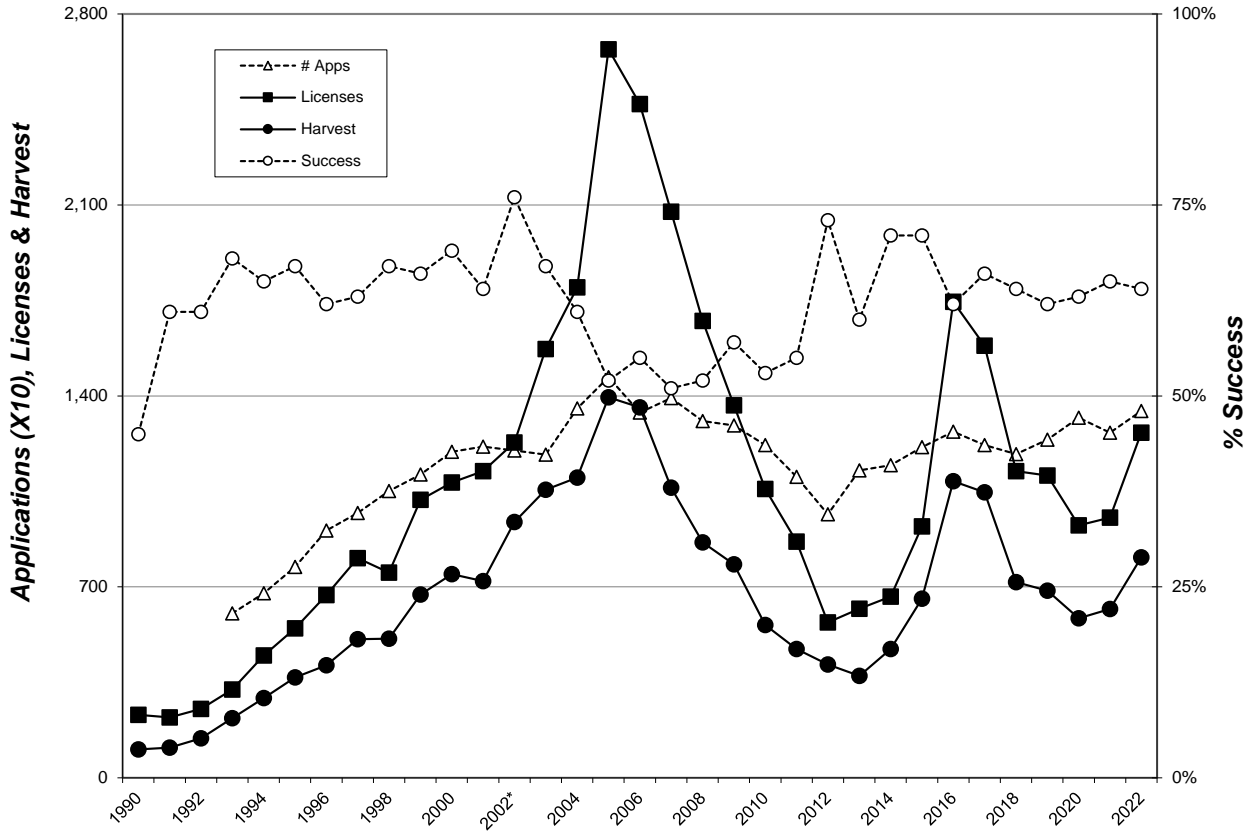
Unit/Type	Resident Licenses					Harvest Projections						Elk Shot Not Recovered	Avg Satisfctn Score	Avg Days Hunted	Land Hunted Most		
	Appl. 1st Choice *	Avail.	Sold	Resp.	Success	Bulls	Cows	Calves	Cow Calves	Total Elk Harvested	CI (95%)				Public	Own	Other
H1A-21	1,295	60	60	68%	82%	46	3	0	0	49	+/-4	3	5.92	6.5	54	3	2
H1B-21	64	65	65	59%	79%	0	46	2	3	51	+/-5	12	6.16	5.0	63	0	0
H2A-21	8,848	290	290	75%	87%	242	10	0	1	253	+/-7	25	6.12	7.3	280	7	1
H2B-23	285	50	55	69%	92%	0	43	3	4	51	+/-3	0	6.05	4.1	52	0	3
H2C-23	32	50	49	54%	62%	0	30	0	0	30	+/-6	2	5.83	4.7	45	0	2
H2E-23	124	40	40	77%	63%	0	24	1	0	25	+/-3	0	5.77	6.8	35	0	0
H2F-23	33	40	39	59%	74%	0	27	0	2	29	+/-4	0	6.23	3.1	37	0	0
H2G-23	18	40	38	65%	71%	0	27	0	0	27	+/-4	2	6.32	2.0	35	0	0
H2H-23	7	10	15	67%	20%	0	3	0	0	3	+/-2	0	4.67	5.7	14	0	0
H2I-23	4	10	10	80%	25%	0	3	0	0	3	+/-1	0	3.43	5.9	9	0	0
H2J-23	2	10	9	67%	50%	0	5	0	0	5	+/-2	0	5.50	5.2	9	0	0
H3A-21	1,938	120	119	69%	78%	84	7	1	0	93	+/-6	6	5.62	6.9	73	26	19
H3B-23	44	45	48	71%	24%	1	8	1	0	11	+/-4	6	4.68	5.5	42	1	1
H3C-23	23	45	44	70%	39%	0	17	0	0	17	+/-4	0	4.41	4.3	41	0	0
H3D-23	3	45	41	58%	39%	0	16	0	0	16	+/-5	2	5.00	4.5	37	0	2
H3E-23	30	60	59	55%	50%	0	26	2	2	30	+/-7	6	5.71	3.9	50	0	9
H3F-23	18	60	58	75%	29%	0	15	1	0	17	+/-4	4	4.62	5.3	46	0	8
H3G-23	3	60	58	61%	29%	0	17	0	0	17	+/-5	2	4.56	3.9	38	0	7
H4A-21	87	20	20	53%	70%	14	0	0	0	14	+/-4	2	5.30	8.2	0	6	14
H4B-23	9	40	40	58%	17%	0	7	0	0	7	+/-4	2	3.59	7.8	5	2	31
H5A-21	71	5	4	75%	0%	0	0	0	0	0	+/-0	0	3.33	17.0	3	1	0
H7A-21	398	25	25	70%	81%	17	3	0	0	20	+/-3	2	5.63	10.4	22	3	0
H7B-23	36	20	25	72%	72%	0	17	0	1	18	+/-3	1	5.44	5.2	25	0	0
H9A-21	61	15	14	43%	67%	9	0	0	0	9	+/-4	2	5.33	5.0	0	2	12
H9B-23	14	40	40	53%	35%	0	12	0	2	14	+/-6	2	4.33	4.1	10	0	26
Totals	13,447	1,265	1,265	66.8%	63.9%	414	365	12	16	808	+/- 102	79	5.51	5.78	1,043	52	119

The response rate for all units combined is: 66.8%

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

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

Black Hills Firearm Elk 1990-2022



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.

PRAIRIE FIREARM ELK

A total of 270 licenses were issued for the 2022 Prairie Firearm Elk season. All license holders that provided a valid email address were sent a survey at the end of the season and 192 responded for a 72% response rate. All responses were received through the Internet.

Respondents reported hunting an average of 7.19 days for a total of 1,941 days of recreation. The projected harvest was 74 bulls and 55 cows for an overall success rate of 48%.

Hunter satisfaction was based on a numerical scale from 1 (very dissatisfied) to 7 (very satisfied) and averaged 4.73 for the season.

Approximately 39% of responding hunters reported hunting mostly on public land, 45% on private land they did not own, and 16% on private land they owned.

Summary comparison for 2013-2022 Prairie Firearm Elk seasons

YEAR	Licenses		Harvest			Success	Avg. Days Hunted	Average Satisfaction
	Sold		Bulls	Cows	Total			
2013	96		18	13	30	32%	4.81	4.15
2014	92		33	25	59	64%	3.73	5.31
2015	98		29	25	54	55%	4.59	5.34
2016	148		32	27	60	40%	4.76	4.68
2017	149		41	34	75	50%	6.43	4.81
2018	139		59	51	109	79%	5.55	5.58
2019	140		41	50	91	65%	5.73	5.43
2020	251		56	87	143	57%	5.97	5.02
2021	257		57	71	128	50%	6.57	5.05
2022	270		74	55	128	48%	7.19	4.73

2022 Prairie Firearm Elk Harvest Projections

Last Revised: 29 March 2023

Unit/Type	Resident Licenses					Harvest Projections						Elk Shot Not Recovered	Avg Satisfctn Score	Avg Days Hunted	Land Hunted Most		
	Appl. 1st		Sold	Resp.	Success	Bulls	Cows	Calves	Calves	Total Elk Harvested	CI (95%)				Public	Own	Other
	Choice *	Avail.															
09A-21	126	4	4	67%	100%	4	0	0	0	4	+/-0	2	7.0	1.0	0	2	2
11A-23	17	5	4	50%	50%	0	0	2	0	2	+/-2	0	5.0	3.0	0	0	4
11B-21	432	16	15	80%	92%	14	0	0	0	14	+/-1	1	5.8	7.7	3	4	9
11C-21	243	16	17	53%	67%	11	0	0	0	11	+/-4	0	4.6	11.0	0	6	11
11D-23	69	30	29	79%	41%	0	12	0	0	12	+/-3	3	4.0	4.0	0	1	25
11E-23	27	10	9	78%	14%	0	1	0	0	1	+/-1	0	4.7	3.1	0	1	6
15A-21	127	8	8	88%	43%	3	0	0	0	3	+/-1	0	4.7	8.0	0	2	5
15B-23	1	5	5	40%	0%	0	0	0	0	0	+/-0	0	5.5	6.0	0	0	5
27A-21	558	20	20	80%	63%	11	1	0	0	13	+/-2	1	5.1	11.9	4	8	8
27A-23	30	20	19	50%	11%	0	2	0	0	2	+/-3	0	3.4	8.3	8	0	8
35A-21	907	10	10	80%	88%	9	0	0	0	9	+/-1	1	6.3	11.4	9	1	0
35B-21	1,238	8	8	63%	100%	8	0	0	0	8	+/-0	0	7.0	2.8	6	2	0
35C-23	25	15	13	77%	70%	0	9	0	0	9	+/-2	0	6.3	4.4	12	1	0
35D-23	15	15	14	86%	25%	0	4	0	0	4	+/-1	0	4.3	6.8	11	0	2
35E-23	44	20	20	80%	50%	0	9	0	1	10	+/-2	0	4.7	5.5	16	0	3
35F-23	21	20	19	79%	67%	1	10	0	1	13	+/-2	4	4.6	5.2	18	0	1
49A-21	148	10	10	70%	14%	1	0	0	0	1	+/-1	0	3.8	12.1	0	1	6
49A-23	5	15	15	64%	0%	0	0	0	0	0	+/-0	0	3.6	7.8	2	0	7
WRA-21	970	10	10	70%	86%	9	0	0	0	9	+/-1	0	6.5	7.3	1	4	3
WRA-23	34	20	21	71%	20%	0	4	0	0	4	+/-2	1	3.8	8.6	1	6	8
Totals	5,037	277	270	72.2%	47.6%	72	52	2	3	128	+/- 30	14	4.73	7.19	96	39	108

The response rate for all units combined is: 72.2%

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

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

CUSTER STATE PARK ARCHERY ELK

A total of 4 resident licenses were issued for the 2022 Custer State Park Early Archery Elk season which was open from September 1-30. There was no Late CSP Archery season in 2022.

Respondents reported hunting an average of 20.0 days for a total of 80 days of recreation. Two hunters reported harvesting adult bulls. Hunter satisfaction was based on a numerical scale from 1 (very dissatisfied) to 7 (very satisfied) and averaged 5.50 for the season.

Summary comparison of the 2013-2022 CSP Archery elk seasons

Year	Applications	Licenses	Bull Harvest	Cow Harvest	Success	Avg. Days Hunted	Average Satisfaction
2013	2,740	3	3	0	100%	9.3	NA
2014	3,023	4	4	0	100%	8.8	7.00
2015	3,600	4	3	0	75%	16.3	6.50
2016	3,707	3	1	0	33%	15.0	6.00
2017	3,704	3	1	0	33%	9.7	5.67
2018	3,772	3	2	0	50%	11.0	5.50
2019	4,055	3	3	0	100%	5.0	7.00
2020	4,353	3	1	0	33%	13.7	6.50
2021	4,456	3	1	0	33%	11.3	6.33
2022	4,904	4	2	0	50%	20.0	5.50

CUSTER STATE PARK FIREARM ANY ELK

A total of 11 resident licenses were issued for the 2022 Custer State Park Firearm Any Elk season which was open from October 1-31.

Respondents reported hunting an average of 4.0 days for a total of 44 days of recreation. Eight hunters responded and all reported harvesting adult bulls. Hunter satisfaction was based on a numerical scale from 1 (very dissatisfied) to 7 (very satisfied) and averaged 6.75 for the season.

Summary comparison of the 2013-2022 CSP Firearm Any elk seasons

Year	Applications	Licenses	Bull Harvest	Cow Harvest	Success	Avg. Days Hunted	Average Satisfaction
2013	7,860	4	3	1	100%	2.0	NA
2014	8,084	4	4	0	100%	1.0	7.00
2015	9,136	8	8	0	100%	1.9	6.88
2016	8,958	9	8	0	89%	2.8	6.56
2017	8,828	9	8	0	88%	2.3	6.71
2018	8,670	9	8	0	86%	5.7	5.71
2019	8,949	9	8	0	89%	2.8	6.25
2020	9,385	9	8	0	89%	5.8	6.89
2021	9,215	8	8	0	100%	1.6	6.86
2022	9,672	11	11	0	100%	4.0	6.75

CUSTER STATE PARK ANTLERLESS ELK

The Custer State Park Antlerless Elk season remained closed in 2022.

Summary comparison of the 2007-2022 CSP Antlerless elk seasons

Year	Applications	Licenses	Bull Harvest	Cow Harvest	Success	Avg. Days Hunted	Average Satisfaction
2007	3,763	60	1	31	53%	3.3	NA
2008	3,646	40	2	21	55%	2.8	NA
2009	3,548	20	0	19	95%	2.5	NA
2010	3,192	5	0	4	80%	NA	NA
2011-15	Closed						
2016	3,138	20	0	18	90%	2.20	6.20
2017	3,436	29	1	24	86%	2.10	5.83
2018	3,175	23	0	4	19%	3.35	2.19
2019-22	Closed						