

2005 Sharp-tailed Grouse Harvest Report

A post-season harvest survey was conducted by phone.

A stratified random sample of 2500 sharp-tailed grouse hunters was drawn from among HIP participants. 1497 (59% response rate) hunters were contacted. The survey respondents were delineated by the following strata from the HIP database; 116 *will not hunt*, 1,026 *somewhat likely to hunt* and 355 *very likely to hunt* respondents. One respondent from the *will not hunt*, 26 individuals from the *somewhat likely to hunt*, and 60 hunters from the *very likely to hunt* strata in HIP reported hunting Columbian sharp-tailed grouse in 2005. In total, 87, or 5.8% reported they had hunted sharp-tailed grouse. The number of birds harvested ranged from 0 (45 respondents) to 12 (1 respondent), with 16 hunters reporting a harvest of 2 birds.

67% reported being satisfied with their sharp-tailed grouse hunting experience and 60% reported no crowding.

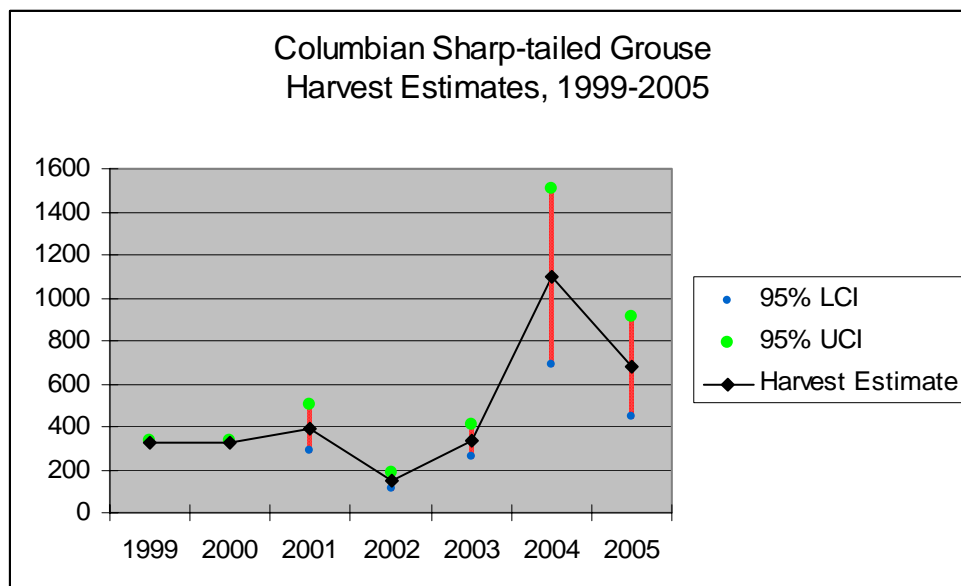
Statewide harvest was estimated at 679 ± 235.

Comparison with 2004 survey results:

Harvest was down from 2004 when an estimated 1,096 ± 408 birds were harvested. Hunter numbers increased to 576 ± 63 from 350 ± 70 in 2004. Days hunted were also higher with an estimated 1,572 ± 447 compared to 1254 ± 390 in 2004.

Harvest by Strata and Population

Summary tables provide estimates of hunter numbers, days in the field and sharp-tailed grouse harvest by strata and population. Estimates are followed by the standard error of the estimate, and 95% upper (UCI) and lower (LCI) confidence intervals around the estimate. For example, the estimated number of sharp-tailed grouse hunters in Moffat County is 104 plus or minus 1.96(SE) or 1.96(23)=45. The range of the estimate is 59 to 149. Estimates of days in the field and harvest are interpreted the same way. State totals are given at the bottom of each column.



Columbian Sharp-tailed Grouse Harvest 2005

Strata?

CST Strata	Frequency	Cumulative Percent	Cumulative Frequency	Percent
Will not hunt	116	7.75	116	7.75
Somewhat likely	1026	68.54	1142	76.29
Very likely	355	23.71	1497	100.00

Hunted during season?

Hunted	Frequency	Percent	Cumulative Frequency	Cumulative Percent
yes	87	5.82	87	5.82
no	1408	94.18	1495	100.00

Satisfied with hunt?

Satisfied?	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Strongly Dis.	8	9.09	8	9.09
Somewhat Dis.	5	5.68	13	14.77
Slightly Dis.	2	2.27	15	17.05
Neutral	4	4.55	19	21.59
Slightly Sat.	10	11.36	29	32.95
Somewhat Sat.	31	35.23	60	68.18
Strongly Sat.	28	31.82	88	100.00

Feel crowded?

Crowded	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Not at all	53	60.23	53	60.23
Slightly	16	18.18	69	78.41
Moderately	8	9.09	77	87.50
Extremely	11	12.50	88	100.00

Possibly hunting other grouse?

Other	Frequency	Percent	Cumulative Frequency	Cumulative Percent
No	19	95.00	19	95.00
Sage Grouse	1	5.00	20	100.00

Number Harvested by respondent?

Total Harvest	Freq.	Percent	Cumulative Frequency	Cumulative Percent
0	45	51.72	45	51.72
1	14	16.09	59	67.82
2	13	14.94	72	82.76
3	4	4.60	76	87.36
4	8	9.20	84	96.55
6	1	1.15	85	97.70
10	1	1.15	86	98.85
12	1	1.15	87	100.00

Estimated Harvest by Strata

Strata	Hunters	SE (Hunters)	LCI (Hunters)	UCI (Hunters)	Days Hunted	SE (Days Hunted)	LCI (Days Hunted)	UCI (Days Hunted)	Harvest	SE (Harvest)	LCI (Harvest)	UCI (Harvest)
Will not hunt	38	37	-35	110	75	74	-70	221	0	0	0	0
Somewhat likely to hunt	203	37	131	275	546	121	310	783	187	59	72	303
Very likely to hunt	335	36	265	405	950	178	601	1300	492	104	288	696
Total	576	63	452	700	1572	228	1126	2018	679	120	444	914

Estimated Harvest by Population

Population	Hunters	SE (Hunters)	LCI (Hunters)	UCI (Hunters)	Days Hunted	SE (Days Hunted)	LCI (Days Hunted)	UCI (Days Hunted)	Harvest	SE (Harvest)	LCI (Harvest)	UCI (Harvest)
North Routt	212	33	147	277	562	106	355	769	418	101	219	617
South Routt	104	23	59	149	392	153	92	693	132	50	33	230
Moffat	104	23	59	149	212	66	84	341	47	24	-1	95
Rio Blanco	51	38	-24	126	141	91	-37	319	16	15	-13	44
Total	576	63	452	700	1572	228	1126	2018	679	120	444	914