

2001 Sharp-tailed Grouse Harvest Report

A post-season harvest survey was conducted by phone.

A stratified random sample of 3999 sharp-tailed grouse hunters was drawn from among HIP participants. 2639 (66% response rate) hunters were contacted.

Of those surveyed, 79 or 3% reported they had hunted sharptails. The number of birds harvested ranged from 0 (31 respondents) to 8 (1 respondent), with 18 hunters reporting harvest of 2 birds.

78% reported being satisfied with their sharp-tailed grouse hunting experience and 77% reported no crowding.

Statewide harvest was estimated at 393 ± 105 (287 - 499).

Comparison with 2000 survey results:

Harvest was up from 2000 when an estimated 328 ± 4 birds were harvested. Correspondingly hunter numbers decreased slightly, 236 ± 49 in 2001, compared to an estimated 249 ± 82 in 2000. Days hunted increased from an estimated 614 ± 141 in 2000 to 775 ± 202 . None of these differences are statistically significant at the 95% confidence level.

Harvest results are provided by strata, county, and population.

Harvest by Strata, County and Population

Summary tables provide estimates of hunter numbers, days in the field and sharp-tailed grouse harvest by county 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 25 plus or minus 1.96(SE) or 1.96(9)=17. The range of the estimate is 7 to 42. Estimates of days in the field and harvest are interpreted the same way. State totals are given at the bottom of each column.

(The output wraps around.)

Stg Grouse Harvest 2001

stgstrata	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Will not hunt	157	6.00	157	6.00
Somewhat likely	1685	64.36	1842	70.36
Very likely	776	29.64	2618	100.00

Hunted during season?

hunt	Frequency	Percent	Cumulative Frequency	Cumulative Percent
yes	79	3.02	79	3.02
no	2539	96.98	2618	100.00

Table of stgstrata by hunt

stgstrata	hunt(Hunted during season?)		
Frequency Percent Row Pct Col Pct	yes	no	Total
Will not hunt	0 0.00 0.00 0.00	157 6.00 100.00 6.18	157 6.00
Somewhat likely	20 0.76 1.19 25.32	1665 63.60 98.81 65.58	1685 64.36
Very likely	59 2.25 7.60 74.68	717 27.39 92.40 28.24	776 29.64
Total	79 3.02	2539 96.98	2618 100.00

Satisfied with hunt?

satisfy	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Strongly Dis.	7	8.86	7	8.86
Somewhat Dis.	7	8.86	14	17.72
Slightly Dis.	2	2.53	16	20.25
Neutral	1	1.27	17	21.52
Slightly Sat.	4	5.06	21	26.58
Somewhat Sat.	24	30.38	45	56.96
Strongly Sat.	34	43.04	79	100.00

Feel crowded?

crowded	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Not at all	61	77.22	61	77.22
Slightly	8	10.13	69	87.34
Moderately	6	7.59	75	94.94
Extremely	4	5.06	79	100.00

Possibly hunting another species?

other	Frequency	Percent	Cumulative Frequency	Cumulative Percent
No	1	100.00	1	100.00

Total harvest (reported by respondents)

totharv	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	31	39.24	31	39.24
1	5	6.33	36	45.57
2	18	22.78	54	68.35
3	8	10.13	62	78.48
4	10	12.66	72	91.14
5	2	2.53	74	93.67
6	4	5.06	78	98.73
8	1	1.27	79	100.00

County hunted (reported by respondents)

county	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Garfield	1	1.27	1	1.27
Moffat	7	8.86	8	10.13
Rio Blanco	3	3.80	11	13.92
Routt	68	86.08	79	100.00

Estimated Harvest by Strata

stgstrata	Estimated Hunters	SE(Hunters)	LCI (Hunters)	UCI (Hunters)
Somewhat likely	107	21	65	149
Very likely	129	12	105	152
Total	236	25	188	284

Estimated Days Hunted	SE(Days Hunted)	LCI(Days Hunted)	UCI(Days Hunted)	Estimated Harvest	SE(Harvest)
326	84	162	491	123	41
449	60	332	565	270	35
775	103	574	977	393	54

LCI (Harvest)	UCI (Harvest)	Not Retrieved	SE(Not Ret.)	LCI(Not. Ret.)	UCI(Not. Ret.)
42	204	0	0	0	0
202	339	4	3	-2	11
287	499	4	3	-2	11

Estimated Harvest by Counties

County	Estimated Hunters	SE(Hunters)	LCI (Hunters)	UCI (Hunters)	Estimated Days Hunted
Garfield	2	2	-1	5	7
Moffat	25	9	7	42	49
Rio Blanco	13	7	-1	27	25
Routt	196	22	153	238	695
State Total	236	25	188	284	775

SE(Days Hunted)	LCI(Days Hunted)	UCI(Days Hunted)	Estimated Harvest	SE(Harvest)	LCI (Harvest)
5	-3	16	0	0	0
17	16	81	32	20	-7
13	0	49	0	0	0
101	498	893	361	50	262
103	574	977	393	54	287

UCI (Harvest)	Not Retrieved	SE(Not Ret.)	LCI(Not. Ret.)	UCI(Not. Ret.)
0	0	0	0	0
71	0	0	0	0
0	0	0	0	0
459	4	3	-2	11
499	4	3	-2	11

Estimated Harvest by Population 11=North Routt 12=South Routt 13=Moffat 14=Rio Blanco

Population	Estimated Hunters	SE(Hunters)	LCI (Hunters)	UCI (Hunters)	Estimated Days Hunted
Unknown	4	2	-0	9	50
North Routt	143	19	105	180	457
South Routt	51	10	30	71	195
Moffat	25	9	7	42	49
Rio Blanco	13	7	-1	27	25
State Total	236	25	188	284	775

SE(Days Hunted)	LCI(Days Hunted)	UCI(Days Hunted)	Estimated Harvest	SE(Harvest)	LCI (Harvest)
32	-13	114	4	3	-2
82	296	617	241	43	157
50	97	293	116	27	63
17	16	81	32	20	-7
13	0	49	0	0	0
103	574	977	393	54	287

UCI (Harvest)	Not Retrieved	SE(Not Ret.)	LCI(Not. Ret.)	UCI(Not. Ret.)
11	0	0	0	0
324	4	3	-2	11
168	0	0	0	0
71	0	0	0	0
0	0	0	0	0
499	4	3	-2	11