

## 2004 Ptarmigan Grouse Harvest Report

A post-season harvest survey was conducted by phone.

A stratified random sample of 2500 potential ptarmigan grouse hunters was drawn from among HIP participants. 1708 (68% response rate) hunters were contacted.

Of those surveyed, 111 or 6% reported they had hunted ptarmigan. The number of birds harvested ranged from 0 (72 respondents) to 12 (1 respondent). Twelve respondents reported harvesting 3 birds (mode).

83% reported being satisfied with their ptarmigan grouse hunting experience and 83% reported no crowding.

Harvest results are provided by strata and county.

In addition, there is a summary table of areas hunted (nearest landmark) and harvest reported from survey respondents.

***Statewide harvest estimate = 463 ± 157 (306-620).***

### **Comparison with 2003 survey results:**

Harvest was down from 2003 when an estimated 975 ± 527 birds were harvested. Hunter numbers increased slightly from 516 ± 112 in 2003 to 549 ± 121 in 2004. Days hunted decreased from 2389 ± 1382 in 2003 to 1333 ± 409 in 2004. None of these differences are statistically significant at the 95% confidence level.

### **Harvest by Strata and County**

Summary tables provide estimates of hunter numbers, days in the field and ptarmigan grouse harvest by strata and county. 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 ptarmigan grouse harvested in Boulder County is 9 plus or minus 1.96(SE) or 1.96(7)=14. The range of the estimate is 0 to 23. Estimates of days in the field and hunter numbers are interpreted the same way. State totals are given at the bottom of each column.

**(The output wraps around.)**

**Ptarmigan Harvest 2004  
Summary of Data by Strata**

ptarstrata	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Will not hunt	583	34.15	583	34.15
Somewhat likely	806	47.22	1389	81.37
Very likely	318	18.63	1707	100.00

**Hunted during Season?**

hunt	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Yes	111	6.50	111	6.50
No	1597	93.50	1708	100.00

**Table of ptarstrata by hunt**

ptarstrata	hunt(Hunted during season?)		
	Yes	No	Total
Frequency			
Percent			
Row Pct			
Col Pct			
Will not hunt	8	575	583
	0.47	33.68	34.15
	1.37	98.63	
	7.27	36.01	
Somewhat likely	23	783	806
	1.35	45.87	47.22
	2.85	97.15	
	20.91	49.03	
Very likely	79	239	318
	4.63	14.00	18.63
	24.84	75.16	
	71.82	14.97	
Total	110	1597	1707
	6.44	93.56	100.00

**Satisfied with Hunt?**

satisfy	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Strongly Dis.	4	3.60	4	3.60
Somewhat Dis.	8	7.21	12	10.81
Slightly Dis.	5	4.50	17	15.32
Neutral	1	0.90	18	16.22
Slightly Sat.	7	6.31	25	22.52
Somewhat Sat.	27	24.32	52	46.85

Strongly Sat.	59	53.15	111	100.00
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**Feel crowded?**

crowded	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Not at all	92	82.88	92	82.88
Slightly	9	8.11	101	90.99
Moderately	7	6.31	108	97.30
Extremely	3	2.70	111	100.00

**Possibly Hunting Another Species?**

other	Frequency	Percent	Cumulative Frequency	Cumulative Percent
No	13	86.67	13	86.67
Blue Grouse	2	13.33	15	100.00

**Total harvest**

totharv	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	72	64.86	72	64.86
1	9	8.11	81	72.97
2	10	9.01	91	81.98
3	12	10.81	103	92.79
4	3	2.70	106	95.50
5	1	0.90	107	96.40
6	2	1.80	109	98.20
10	1	0.90	110	99.10
12	1	0.90	111	100.00

## Summary of Areas Hunted with Harvest Reported from Sample

Table of alpha by totharv

alpha(Description of hunting areas)	totharv(Total harvest)				
Frequency	Zero	1-3	4-6	>6	Total
1 MI N OF WILLIA MS FORK RES	1	0	0	0	1
10 MI SE OF CREE DE ON MESA MTN	1	0	0	0	1
10 MILES W OF GE ORGETOWN	0	1	0	0	1
10-15 NW SALIDA	1	0	0	0	1
15 MLS S OF CRES TED BUTTE	1	0	0	0	1
17 MI W BUENA VI STA	1	0	0	0	1
2-3 MLS N OF HOO SIER PASS	0	1	0	0	1
30 MLS E OF BREC KENRIDGE/15 N O	1	0	0	0	1
30 MLS W OF STEA MBOAT SPRINGS	0	1	0	0	1
5 MI S FAIRPLAY WEST 285	1	0	0	0	1
5 MLS E OF WINTE R PARK	2	0	0	0	2
5-10 MILES SW RU STIC	1	0	0	0	1
ARAPAHOE REC ARE A	1	0	0	0	1
ARGENTINE PASS	0	0	1	0	1
Total	72	31	6	2	111

(Continued)

Table of alpha by totharv

alpha(Description of hunting areas)	totharv(Total harvest)				Total
Frequency	Zero	1-3	4-6	>6	
ASPEN	0	1	1	0	2
BERTHOUD PASS	0	1	0	0	1
BETWEEN PAGOSA S PGS & CHROMO	1	0	0	0	1
BRECKENRIDGE SKI AREA	1	0	0	0	1
BUFFALO PASS	0	1	0	0	1
BUFORD	1	0	0	0	1
CAMERON PASS	1	0	0	0	1
CAMP HAIL ARMY B ASE	0	1	0	0	1
CONEJOS	1	0	0	0	1
CORONA PASS	1	0	0	0	1
COTTONWOOD PASS	3	1	0	0	4
COTTONWOOD PASS ON TOP	1	0	0	0	1
CREED	0	1	0	0	1
CREEDE	0	1	1	0	2
CROWN POINT	1	0	0	0	1
CROWS POINT	0	1	0	0	1
DURANGO	2	0	0	0	2
E SIDE OF MOSQUI TO PASS	1	0	0	0	1
Total	72	31	6	2	111

(Continued)

Table of alpha by totharv

alpha(Description of hunting areas)	totharv(Total harvest)				Total
Frequency	Zero	1-3	4-6	>6	
EAGLE	1	0	0	0	1
EAST OF RAND	1	0	0	0	1
EISENHOWER TUNNEL	1	0	0	0	1
GEORGETOWN	3	2	0	0	5
GUINELLA PASS-ABOVE GEORGETOWN	1	0	0	0	1
HAGERMAN PASS	0	1	0	0	1
HOOSIER PASS	0	1	0	0	1
IDAHO SPRINGS	1	0	0	0	1
INDEPENDENCE PASSES	0	0	1	1	2
JAMES PEAK	1	0	0	0	1
JAMES PEAK 5 MI W OF ST MARYS	2	0	0	0	2
LA GARITA	1	0	0	0	1
LEADVILLE	2	0	0	0	2
LONE TOWN-UNIT 70	0	1	0	0	1
LOVELAND PASS	1	0	0	0	1
MARBLE, WHITEHOUSE PEAK	0	1	0	0	1
MONARCH PASS	1	0	0	0	1
Total	72	31	6	2	111

(Continued)

Table of alpha by totharv

alpha(Description of hunting areas)	totharv(Total harvest)				Total
Frequency	Zero	1-3	4-6	>6	
MOUNT EVANS	1	0	0	0	1
MOUNT NICESTRAM, FRAZIER	0	0	0	1	1
MOUNT PRINCETON	2	0	0	0	2
MOUNT TOM	0	1	0	0	1
MOUNTAIN NYSEUM	1	0	0	0	1
MT AUDOBON	1	0	0	0	1
MT BALDY	1	0	0	0	1
MT BEARSTAD	1	0	0	0	1
MT EVANS	0	1	0	0	1
MT ZION	0	1	0	0	1
N OF GUNNISON, A LL OVER	0	1	0	0	1
NE OF CRIPPLE CR EEK	1	0	0	0	1
NEAR KEYSTONE	1	0	0	0	1
NIWOT RIDGE	0	1	0	0	1
ON HAHN'S PEAK	1	0	0	0	1
ON MT PRINCETON	1	0	0	0	1
ON TOP OF MT EVA NS	1	0	0	0	1
OURAY	0	1	0	0	1
Total	72	31	6	2	111

(Continued)

Table of alpha by totharv

alpha(Description of hunting areas)	totharv(Total harvest)				Total
Frequency	Zero	1-3	4-6	>6	
PAGOSA SPRINGS (SE 20 MILES)	1	0	0	0	1
POUDRE CANYON	1	0	0	0	1
PRIDE OF THE WEST MINE	1	0	0	0	1
S OF SANDY POINT /W OF YAMPA	1	0	0	0	1
SE OF WILLOW CREEK PASS	0	1	0	0	1
SHADOW MOUNTAIN	0	1	0	0	1
SHEEP MOUNTAIN	1	0	0	0	1
SILVERTON	1	0	0	0	1
STEAMBOAT	0	0	1	0	1
STEAMBOAT SPGS	1	0	0	0	1
STEAMBOAT SPRINGS	0	1	0	0	1
STORM MOUNTAIN	1	0	0	0	1
SUMMIT LOVELAND PASS	1	0	0	0	1
TINCUP PASS	1	1	0	0	2
TROUT LAKE	1	0	0	0	1
TWIN LAKES	1	0	0	0	1
UNIT 76	0	0	1	0	1
Total	72	31	6	2	111

(Continued)



Table of alpha by totharv

alpha(Description of hunting areas)	totharv(Total harvest)				Total
Frequency	Zero	1-3	4-6	>6	
UPPER PALMER LAKE	1	0	0	0	1
W OF GEORGETOWN/ E OF CONT DVD	0	1	0	0	1
WALDEN HIWAY 14	1	0	0	0	1
WEST OF FORT COLLINS	1	0	0	0	1
WEST OF WINTER PARK	1	0	0	0	1
WESTIN PASS	0	1	0	0	1
WINTER PARK	1	1	0	0	2
WOLCOTT	1	0	0	0	1
WOLF CREEK PASS	0	1	0	0	1
YAMPA	1	0	0	0	1
Total	72	31	6	2	111

**County hunted**

county	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Archuleta	2	1.69	2	1.69
Boulder	2	1.69	4	3.39
Chaffee	11	9.32	15	12.71
Clear Creek	18	15.25	33	27.97
Conejos	1	0.85	34	28.81
Dolores	1	0.85	35	29.66
Eagle	5	4.24	40	33.90
El Paso	1	0.85	41	34.75
Gilpin	1	0.85	42	35.59
Grand	15	12.71	57	48.31
Gunnison	6	5.08	63	53.39
Jackson	4	3.39	67	56.78
Lake	6	5.08	73	61.86
La Plata	2	1.69	75	63.56
Larimer	7	5.93	82	69.49
Mineral	5	4.24	87	73.73
Ouray	1	0.85	88	74.58
Park	4	3.39	92	77.97
Pitkin	4	3.39	96	81.36
Rio Grande	3	2.54	99	83.90
Routt	6	5.08	105	88.98
Saguache	1	0.85	106	89.83
San Juan	1	0.85	107	90.68

Summit	10	8.47	117	99.15
Teller	1	0.85	118	100.00

### Harvest by Strata

ptarstrata	Estimated		LCI (Hunters)	UCI (Hunters)	Estimated		LCI(Days Hunted)
	Hunters	SE(Hunters)			Days Hunted	SE(Days Hunted)	
Will not hunt	141	48	47	236	389	174	47
Somewhat likely	177	34	111	244	432	102	231
Very likely	230	18	194	266	513	51	412
<b>Total</b>	<b>549</b>	<b>62</b>	<b>428</b>	<b>670</b>	<b>1333</b>	<b>209</b>	<b>924</b>

UCI(Days Hunted)	Estimated Harvest	SE(Harvest)	LCI (Harvest)	UCI (Harvest)	Not Retrieved	SE(Not Ret.)	LCI(Not. Ret.)	UCI(Not. Ret.)
730	18	17	-16	51	0	0	0	0
632	177	60	59	296	23	16	-8	55
613	268	50	170	366	3	2	-2	8
<b>1742</b>	<b>463</b>	<b>80</b>	<b>306</b>	<b>620</b>	<b>26</b>	<b>16</b>	<b>-6</b>	<b>58</b>

### Harvest by County

County	Estimated		LCI (Hunters)	UCI (Hunters)	Estimated		LCI(Days Hunted)	UCI(Days Hunted)
	Hunters	SE(Hunters)			Days Hunted	SE(Days Hunted)		
Archuleta	21	17	-13	54	147	137	-122	416
Boulder	6	3	-1	12	23	17	-9	56
Chaffee	34	10	14	54	60	17	27	93
Clear Creek	84	19	46	122	147	39	70	224
Conejos	8	7	-6	22	39	36	-32	109
Dolores	3	2	-2	8	6	5	-3	15
Eagle	23	17	-11	58	32	19	-5	69
El Paso	3	2	-2	8	3	2	-2	8
Gilpin	8	7	-6	22	15	14	-13	44
Grand	54	16	23	85	113	30	55	171
Gunnison	22	9	5	40	80	37	7	154
Jackson	16	8	0	33	22	10	3	42
Lake	17	6	6	29	23	8	7	39
La Plata	6	3	-1	12	17	10	-2	37
Larimer	45	20	5	85	86	40	7	165
Mineral	34	19	-3	71	83	53	-22	188
Ouray	3	2	-2	8	6	5	-3	15
Park	12	5	2	21	23	11	2	45
Pitkin	12	5	2	21	26	12	3	49
Rio Grande	28	19	-8	65	146	96	-43	335
Routt	57	26	5	108	108	52	7	210

<b>Estimated Harvest</b>	<b>SE(Harvest)</b>	<b>LCI (Harvest)</b>	<b>UCI (Harvest)</b>	<b>Not Retrieved</b>	<b>SE(Not Ret.)</b>	<b>LCI(Not. Ret.)</b>	<b>UCI(Not. Ret.)</b>
0	0	0	0	0	0	0	0
9	7	-5	23	0	0	0	0
29	22	-14	72	0	0	0	0
45	24	-2	92	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
6	5	-3	15	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
86	39	9	163	15	14	-13	44
12	7	-1	25	0	0	0	0
21	15	-8	51	0	0	0	0
17	10	-2	37	0	0	0	0
0	0	0	0	0	0	0	0
6	5	-3	15	0	0	0	0
71	41	-10	151	8	7	-6	22
6	5	-3	15	0	0	0	0
12	7	-3	26	0	0	0	0
73	34	7	139	0	0	0	0
9	7	-5	23	0	0	0	0
33	20	-7	72	3	2	-2	8

<b>County</b>	<b>Estimated Hunters</b>	<b>SE(Hunters)</b>	<b>LCI (Hunters)</b>	<b>UCI (Hunters)</b>	<b>Estimated Days Hunted</b>	<b>SE(Days Hunted)</b>	<b>LCI(Days Hunted)</b>	<b>UCI(Days Hunted)</b>
Saguache	18	17	-16	51	35	34	-32	103
San Juan	8	7	-6	22	8	7	-6	22
Summit	25	9	7	43	73	26	21	124
Teller	3	2	-2	8	9	7	-5	23
<b>State Total</b>	<b>549</b>	<b>62</b>	<b>428</b>	<b>670</b>	<b>1333</b>	<b>209</b>	<b>924</b>	<b>1742</b>

<b>Estimated Harvest</b>	<b>SE(Harvest)</b>	<b>LCI (Harvest)</b>	<b>UCI (Harvest)</b>	<b>Not Retrieved</b>	<b>SE(Not Ret.)</b>	<b>LCI(Not. Ret.)</b>	<b>UCI(Not. Ret.)</b>
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
29	13	4	54	0	0	0	0
0	0	0	0	0	0	0	0
<b>463</b>	<b>80</b>	<b>306</b>	<b>620</b>	<b>26</b>	<b>16</b>	<b>-6</b>	<b>58</b>