

Ptarmigan Grouse Harvest Report 2000

A post-season harvest survey was conducted by phone.

A stratified random sample of 2500 ptarmigan grouse hunters was drawn from among HIP participants. 1788 (72% response rate) hunters were contacted.

Of those surveyed, 79 or 4% reported they had hunted ptarmigan. The number of birds harvested ranged from 0 (46 respondents) to 12 (1 respondent).

81% reported being satisfied with their ptarmigan grouse hunting experience and 76% 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 = 335 ± 170 (165 - 505).

Comparison with 1999 survey results:

Harvest was down from 1999 when an estimated 418 ± 4 birds were harvested. Correspondingly hunter numbers decreased from 482 ± 123 in 1999 to 414 ± 108 in 2000. Days hunted increased from an estimated 1412 ± 17 in 1999 to 1592 ± 541 in 2000. None of the 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 hunters in Chaffee County is 56 plus or minus 1.96(SE) or 1.96(26)=51. The range of the estimate is 5 to 107. Estimates of days in the field and harvest are interpreted the same way. Statewide totals are given at the bottom of each column.

(The output wraps around.)

Summary of Sample Data

Summary of Areas Hunted with Harvest Reported from Sample

Table of alpha by totharv

alpha(Description of hunting areas)	totharv(Total harvest)				Total
Frequency	Zero	1-3	4-6	>6	
AMER FLAG MTN	1	0	0	0	1
ASPEN	1	0	0	0	1
BERTHOUD PASS	2	0	0	0	2
BETWEEN SILVERTO N & TELLURIDE	1	0	0	0	1
BRISTOL HEAD MOU NTAIN	1	0	0	0	1
BUENA VISTA	1	1	0	0	2
BUFFALO MOUNTAIN	1	0	0	0	1
BY DILLON	1	0	0	0	1
BY LEADVILLE	1	0	0	0	1
BY MEEKER & BUFO RD	1	0	0	0	1
BY TELLURIDE	1	0	0	0	1
CAMERON PASS	1	1	0	0	2
CLOSE TO YAMPA	0	1	0	0	1
COFFMEN RIDGE	0	1	0	0	1
CORONA/ALISON PA SS	0	0	1	0	1
COTTONWOOD PASS	1	3	0	0	4
CROWN POINT	1	0	0	0	1
CU RESEARCH CENT ER	0	1	0	0	1
Total	46	28	4	1	79

(Continued)

alpha(Description of hunting areas) totharv(Total harvest)

Frequency	Zero	1-3	4-6	>6	Total
DEL NORTE	1	0	0	0	1
EAST OF HWY 13	1	0	0	0	1
EMPIRE	0	1	0	0	1
FAIRPLAY	1	0	0	0	1
FRASER	1	0	0	0	1
GEORGETOWN	3	0	0	0	3
GLACIER MTN	0	1	0	0	1
GRANT TOWN	1	0	0	0	1
GUANELLA PASS	1	0	0	0	1
HAYDEN	2	0	0	0	2
HEENY	1	0	0	0	1
HOT SULPHUR SPRINGS	1	0	0	0	1
HWY 285	1	0	0	0	1
IDAHO SPRINGS	0	1	0	0	1
INDEPENDENCE PAS S	1	0	0	0	1
LEADVILLE	1	3	0	0	4
LOVELAND PASS	0	1	0	0	1
MEEKER	1	0	0	0	1
MONTEZUMA, EAST OF SILVERTHORNE	1	0	0	0	1
Total	46	28	4	1	79

(Continued)

alpha(Description of hunting areas) totharv(Total harvest)

Frequency	Zero	1-3	4-6	>6	Total
MOSQUITO PASS	0	1	0	0	1
MT BROSS	0	0	1	0	1
MT EVANS	1	0	0	0	1
MT MASSIVE	1	0	0	0	1

MT ZERKEL	0	1	0	0	1
NEAR BERTHOUD PASS	0	1	0	0	1
NEDERLAND	0	1	0	0	1
NIWOT MTN.	0	1	0	0	1
NORTH OF CHAMA	0	1	0	0	1
OURAY	3	0	0	0	3
PETERSEN LAKE	0	0	0	1	1
PTARMIGAN LAKE	1	0	0	0	1
RIO GRANDE RESERVOIR	0	1	0	0	1
ROLLINSVILLE	1	0	0	0	1
S WILKERSON PASS	1	0	0	0	1
SOMERSET	1	0	0	0	1
SOUTH OF MCCLURE PASS	1	0	0	0	1
SOUTHWEST OF CRESTED BUTTE	1	0	0	0	1
Total	46	28	4	1	79
(Continued)					

Table of alpha by totharv

alpha(Description of hunting areas)	totharv(Total harvest)				Total
Frequency	Zero	1-3	4-6	>6	
STEAMBOAT SPRINGS	1	0	0	0	1
SW OF GRANBY	0	1	0	0	1
TENN PASS	0	1	0	0	1
TIN CUP PASS	1	0	0	0	1
VAIL	0	1	0	0	1
W OF WESTCLIFF	0	0	1	0	1
WALDEN W OF	0	1	0	0	1
WEST OF BUENA VISTA	0	1	0	0	1
WEST OF FAIRPLAY	0	1	0	0	1
WINTER PARK	0	0	1	0	1

Total	46	28	4	1	79
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Counties Hunted in Sample

The FREQ Procedure

County hunted

county	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Archuleta	2	2.53	2	2.53
Boulder	3	3.80	5	6.33
Chaffee	7	8.86	12	15.19
Clear Creek	8	10.13	20	25.32
Custer	2	2.53	22	27.85
Eagle	1	1.27	23	29.11
Gilpin	2	2.53	25	31.65
Grand	7	8.86	32	40.51
Gunnison	6	7.59	38	48.10
Hinsdale	1	1.27	39	49.37
Jackson	1	1.27	40	50.63
Lake	7	8.86	47	59.49
Larimer	4	5.06	51	64.56
Mineral	1	1.27	52	65.82
Ouray	4	5.06	56	70.89
Park	5	6.33	61	77.22
Pitkin	3	3.80	64	81.01
Rio Blanco	3	3.80	67	84.81
Routt	6	7.59	73	92.41
San Juan	1	1.27	74	93.67
San Miguel	1	1.27	75	94.94
Summit	4	5.06	79	100.00

Estimates of Hunter Numbers, Days Hunted, and Harvest by Strata

ptarstrata	Estimated		LCI (Hunters)	UCI (Hunters)	Days Hunted	Estimated	
	Hunters	SE(Hunters)				SE(Days Hunted)	LCI(Days Hunted)
Will not hunt	139	44	52	226	493	197	107
Somewhat likely	162	30	103	222	751	186	386
Very likely	113	12	89	138	348	53	244
Statewide Total	414	55	306	523	1592	276	1050

UCI(Days Hunted)	Estimated Harvest	SE(Harvest)	LCI (Harvest)	UCI (Harvest)	Not Retrieved	SE(Not Ret.)	LCI(Not. Ret.)	UCI(Not. Ret.)
880	31	21	-10	72	0	0	0	0
1116	176	81	17	334	7	6	-5	19
451	128	24	81	176	0	0	0	0
2133	335	87	165	506	7	6	-5	19

Estimates of Hunter Numbers, Days Hunted, and Harvest by County

County	Estimated		LCI (Hunters)	UCI (Hunters)	Estimated Days Hunted	SE(Days Hunted)	LCI(Days Hunted)	UCI(Days Hunted)
	Hunters	SE(Hunters)						
Archuleta	9	7	-4	22	75	63	-48	198
Boulder	20	11	-1	41	68	38	-8	143
Chaffee	56	26	5	107	246	161	-70	562
Clear Creek	42	18	7	77	92	41	12	172
Custer	5	3	-0	10	20	12	-4	44
Eagle	3	2	-1	6	3	2	-1	6
Gilpin	14	9	-4	31	34	26	-17	84
Grand	35	17	2	68	90	37	17	163
Gunnison	25	11	3	47	119	65	-9	247
Hinsdale	3	2	-1	6	13	10	-7	32
Jackson	7	6	-5	19	14	12	-11	38
Lake	30	11	8	53	127	53	23	232
Larimer	14	7	0	28	58	38	-17	134
Mineral	3	2	-1	6	5	4	-3	13
Ouray	10	4	2	18	30	15	1	59
Park	30	16	-3	62	32	17	-1	65
Pitkin	25	16	-7	57	85	55	-22	192
Rio Blanco	20	11	-1	41	108	59	-6	223
Routt	49	23	4	94	334	160	20	648
San Juan	3	2	-1	6	10	8	-5	25
San Miguel	3	2	-1	6	10	8	-5	25

Estimated Harvest	SE(Harvest)	LCI (Harvest)	UCI (Harvest)	Not Retrieved	SE(Not Ret.)	LCI(Not. Ret.)	UCI(Not. Ret.)
9	7	-4	22	0	0	0	0
27	15	-3	57	0	0	0	0
38	18	3	73	0	0	0	0
19	10	-0	38	0	0	0	0
10	8	-5	25	0	0	0	0
8	6	-4	19	0	0	0	0
0	0	0	0	0	0	0	0
23	11	1	45	0	0	0	0
8	6	-4	19	0	0	0	0
5	4	-3	13	0	0	0	0
7	6	-5	19	0	0	0	0
40	17	8	73	0	0	0	0
84	75	-63	231	0	0	0	0

0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
18	11	-3	38	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
36	24	-11	83	7	6	-5	19
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0

County Estimates (Con't)

County	Estimated		LCI (Hunters)	UCI (Hunters)	Estimated		LCI(Days Hunted)	UCI(Days Hunted)
	Hunters	SE(Hunters)			Days Hunted	SE(Days Hunted)		
Summit	10	4	2	18	18	8	3	32
Statewide Total	414	55	306	523	1592	276	1050	2133

Estimated Harvest	Estimated		LCI (Harvest)	UCI (Harvest)	Not Retrieved	SE(Not Ret.)	LCI(Not. Ret.)	UCI(Not. Ret.)
	SE(Harvest)	(Harvest)						
5	4	-3	13	0	0	0	0	
335	87	165	506	7	6	-5	19	