

# Chukar Partridge Harvest Report 2003

A post-season harvest survey was conducted by phone.

A stratified random sample of 2498 chukar hunters was drawn from among HIP participants. 1611 (64% response rate) hunters were contacted.

Of those surveyed, 106 or 7% reported they had hunted chukars. The number of birds harvested ranged from 0 (58 respondents) to 40 (1 respondent). Ten hunters reported harvesting 4 birds. There is always the chance that some individuals included game farm birds harvested on game preserves (although the survey specifically asks they not be included).

80% reported being satisfied with their chukar hunting experience and 88% reported no crowding.

***Statewide harvest estimate = 582 ± 194 (387 - 777).***

## **Comparison with 2002 Survey results:**

Harvest was down from 2002 when an estimated 947 ± 1003 birds were harvested. Hunter numbers remained about the same in 2003 at 374 ± 96 compared to 335 ± 106 in 2002. Days hunted also remained about the same in 2003 (1327 ± 411 compared to 1320 ± 452 in 2002). None of the differences are statistically significant at the 95% confidence level.

Harvest results are provided by county and strata.

## **Harvest by Strata and County**

Summary tables provide estimates of hunter numbers, days in the field and chukar 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 chukar hunters in Delta County is 87 plus or minus 1.96(SE) or 1.96(21)=41. The range of the estimate is 46 to 128. 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.)**

Chukar Harvest 2003

### Summary of Sample Data

chukstrata	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Will not hunt	575	35.71	575	35.71
Somewhat likely	495	30.75	1070	66.46
Very likely	540	33.54	1610	100.00

### Hunted during Season?

hunt	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Yes	106	6.58	106	6.58
No	1505	93.42	1611	100.00

### Table of chukstrata by Hunt

chukstrata	hunt(Hunted during season?)		Total
	Yes	No	
Frequency			
Percent			
Row Pct			
Col Pct			
Will not hunt	5	570	575
	0.31	35.40	35.71
	0.87	99.13	
	4.76	37.87	
Somewhat likely	9	486	495
	0.56	30.19	30.75
	1.82	98.18	
	8.57	32.29	
Very likely	91	449	540
	5.65	27.89	33.54
	16.85	83.15	
	86.67	29.83	
Total	105	1505	1610
	6.52	93.48	100.00

### Satisfied with Hunt?

satisfy	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Strongly Dis.	8	7.55	8	7.55
Somewhat Dis.	5	4.72	13	12.26
Slightly Dis.	5	4.72	18	16.98
Neutral	3	2.83	21	19.81
Slightly Sat.	11	10.38	32	30.19
Somewhat Sat.	31	29.25	63	59.43
Strongly Sat.	43	40.57	106	100.00

### Feel Crowded?

crowded	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Not at all	93	87.74	93	87.74
Slightly	6	5.66	99	93.40
Moderately	5	4.72	104	98.11
Extremely	2	1.89	106	100.00

### Possibly Hunting Other Species

other	Frequency	Percent	Cumulative Frequency	Cumulative Percent
No	2	100.00	2	100.00

### Total Harvest

totharv	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	58	54.72	58	54.72
1	7	6.60	65	61.32
2	8	7.55	73	68.87
3	11	10.38	84	79.25
4	10	9.43	94	88.68
5	3	2.83	97	91.51
6	1	0.94	98	92.45
7	2	1.89	100	94.34
8	1	0.94	101	95.28
9	1	0.94	102	96.23
10	1	0.94	103	97.17
12	1	0.94	104	98.11
15	1	0.94	105	99.06
40	1	0.94	106	100.00

### County Hunted

county	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Delta	31	25.00	31	25.00
Eagle	1	0.81	32	25.81
Garfield	15	12.10	47	37.90
Mesa	57	45.97	104	83.87
Moffat	4	3.23	108	87.10
Montezuma	1	0.81	109	87.90
Montrose	14	11.29	123	99.19
Rio Blanco	1	0.81	124	100.00

### Harvest by Strata

<u>chukstrata</u>	<u>Estimated Hunters</u>	<u>SE(Hunters)</u>	<u>LCI (Hunters)</u>	<u>UCI (Hunters)</u>	<u>Estimated Days Hunted</u>	<u>SE(Days Hunted)</u>	<u>LCI(Days Hunted)</u>
Will not hunt	72	31	11	132	201	98	10
Somewhat likely	114	36	43	185	253	111	36
Very likely	189	13	163	214	873	149	581
<b>Total</b>	<b>374</b>	<b>49</b>	<b>278</b>	<b>471</b>	<b>1327</b>	<b>210</b>	<b>916</b>

<u>UCI(Days Hunted)</u>	<u>Estimated Harvest</u>	<u>SE(Harvest)</u>	<u>LCI (Harvest)</u>	<u>UCI (Harvest)</u>	<u>Not Retrieved</u>	<u>SE(Not Ret.)</u>	<u>LCI(Not. Ret.)</u>	<u>UCI(Not. Ret.)</u>
393	43	42	-38	125	0	0	0	0
470	101	48	6	196	0	0	0	0
1165	437	76	288	587	27	11	6	48
<b>1738</b>	<b>582</b>	<b>99</b>	<b>387</b>	<b>777</b>	<b>27</b>	<b>11</b>	<b>6</b>	<b>48</b>

## Harvest by Counties

<u>County</u>	<u>Estimated</u>		<u>LCI</u> <u>(Hunters)</u>	<u>UCI</u> <u>(Hunters)</u>	<u>Estimated</u>		<u>LCI(Days)</u> <u>Hunted)</u>	<u>UCI(Days)</u> <u>Hunted)</u>
	<u>Hunters</u>	<u>SE(Hunters)</u>			<u>Days</u> <u>Hunted</u>	<u>SE(Days</u> <u>Hunted)</u>		
Delta	87	21	46	128	432	150	139	726
Eagle	14	14	-13	41	29	28	-26	83
Garfield	48	18	13	83	94	23	48	139
Mesa	127	23	82	172	456	73	313	599
Moffat	31	19	-5	67	48	28	-8	104
Montezuma	14	14	-13	41	72	69	-64	208
Montrose	52	21	11	94	184	65	57	311
Rio Blanco	0	0	0	0	12	9	-5	30
<b>State Total</b>	<b>374</b>	<b>49</b>	<b>278</b>	<b>471</b>	<b>1327</b>	<b>210</b>	<b>916</b>	<b>1738</b>

<u>Estimated</u> <u>Harvest</u>	<u>SE(Harvest)</u>	<u>LCI</u> <u>(Harvest)</u>	<u>UCI</u> <u>(Harvest)</u>	<u>Not</u> <u>Retrieved</u>	<u>SE(Not</u> <u>Ret.)</u>	<u>LCI(Not.</u> <u>Ret.)</u>	<u>UCI(Not.</u> <u>Ret.)</u>
238	62	116	360	6	3	-0	13
0	0	0	0	0	0	0	0
79	38	5	154	12	9	-5	30
173	42	90	255	8	5	-1	18
8	6	-3	20	0	0	0	0
0	0	0	0	0	0	0	0
67	29	11	123	0	0	0	0
17	12	-7	40	0	0	0	0
<b>582</b>	<b>99</b>	<b>387</b>	<b>777</b>	<b>27</b>	<b>11</b>	<b>6</b>	<b>48</b>