

Chukar Partridge Harvest Report 2004

A post-season harvest survey was conducted by phone.

A stratified random sample of 2499 chukar hunters was drawn from among HIP participants. 1652 (66% response rate) hunters were contacted.

Of those surveyed, 128 or 8% reported they had hunted chukars. The number of birds harvested ranged from 0 (72 respondents) to 22 (1 respondent). Eleven hunters reported harvesting 2 and 3 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).

77% reported being satisfied with their chukar hunting experience and 90% reported no crowding.

Statewide harvest estimate = 805 ± 231 (574 - 1036).

Comparison with 2002 Survey results:

Harvest was up from 2003 when an estimated 582 ± 194 birds were harvested. Hunter numbers remained about the same in 2004 at 399 ± 82 compared to 374 ± 96 in 2003. Days hunted decreased slightly in 2004 (1155 ± 247 compared to 1327 ± 411 in 2003). 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 harvested in Delta County is 347 plus or minus 1.96(SE) or 1.96(99)=194. The range of the estimate is 153 to 540. Estimates of days in the field and hunter numbers are interpreted the same way. Statewide totals are given at the bottom of each column.

(The output wraps around.)

Chukar Harvest 2004

chukstrata	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Will not hunt	611	36.99	611	36.99
Somewhat likely	482	29.18	1093	66.16
Very likely	559	33.84	1652	100.00

Hunted during Season?

hunt	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Yes	128	7.75	128	7.75
No	1524	92.25	1652	100.00

Table of chukstrata by Hunt

chukstrata	hunt(Hunted during season?)		
	Yes	No	Total
Frequency			
Percent			
Row Pct			
Col Pct			
Will not hunt	4	607	611
	0.24	36.74	36.99
	0.65	99.35	
	3.13	39.83	
Somewhat likely	15	467	482
	0.91	28.27	29.18
	3.11	96.89	
	11.72	30.64	
Very likely	109	450	559
	6.60	27.24	33.84
	19.50	80.50	
	85.16	29.53	
Total	128	1524	1652
	7.75	92.25	100.00

Satisfied with Hunt?

satisfy	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Strongly Dis.	7	5.47	7	5.47
Somewhat Dis.	6	4.69	13	10.16
Slightly Dis.	8	6.25	21	16.41
Neutral	8	6.25	29	22.66
Slightly Sat.	11	8.59	40	31.25
Somewhat Sat.	46	35.94	86	67.19
Strongly Sat.	42	32.81	128	100.00

Feel Crowded?

crowded	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Not at all	115	89.84	115	89.84
Slightly	6	4.69	121	94.53
Moderately	7	5.47	128	100.00

Total Harvest

totharv	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	72	56.25	72	56.25
1	11	8.59	83	64.84
2	11	8.59	94	73.44
3	8	6.25	102	79.69
4	2	1.56	104	81.25
5	4	3.13	108	84.38
6	4	3.13	112	87.50
7	2	1.56	114	89.06
8	3	2.34	117	91.41
9	2	1.56	119	92.97
10	3	2.34	122	95.31
11	2	1.56	124	96.88
14	1	0.78	125	97.66
16	1	0.78	126	98.44
20	1	0.78	127	99.22
22	1	0.78	128	100.00

County Hunted

county	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Delta	37	25.69	37	25.69
Dolores	1	0.69	38	26.39
Eagle	1	0.69	39	27.08
Garfield	14	9.72	53	36.81
Gunnison	3	2.08	56	38.89
Mesa	61	42.36	117	81.25
Moffat	12	8.33	129	89.58
Montrose	14	9.72	143	99.31
Rio Blanco	1	0.69	144	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	69	33	4	134	154	86	-15
Somewhat likely	84	20	46	123	169	45	81
Very likely	246	16	215	277	832	80	675
Total	399	42	317	480	1155	126	909

<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>
323	137	78	-16	290	0	0	0	0
257	56	25	7	105	0	0	0	0
989	611	85	444	778	54	12	31	78
1402	805	118	573	1036	54	12	31	78

Harvest by Counties

<u>County</u>	<u>Estimated</u>		<u>LCI</u>	<u>UCI</u>	<u>Estimated</u>		<u>LCI(Days</u>	<u>UCI(Days</u>
	<u>Hunters</u>	<u>SE(Hunters)</u>	<u>(Hunters)</u>	<u>(Hunters)</u>	<u>Days</u>	<u>SE(Days</u>	<u>Hunted)</u>	<u>Hunted)</u>
Delta	158	37	86	229	396	92	215	577
Dolores	2	2	-1	6	9	7	-4	22
Eagle	15	14	-13	42	29	28	-26	84
Garfield	54	21	14	94	129	33	64	194
Gunnison	7	3	1	12	54	26	2	106
Mesa	167	30	107	226	519	87	349	690
Moffat	79	30	20	137	183	90	7	359
Montrose	35	17	1	69	87	24	41	133
Rio Blanco	17	17	-15	50	17	17	-15	50
State Total	399	42	317	480	1155	126	909	1402

<u>Estimated</u>	<u>LCI</u>	<u>UCI</u>	<u>Not</u>	<u>SE(Not</u>	<u>LCI(Not.</u>	<u>UCI(Not.</u>
<u>Harvest</u>	<u>SE(Harvest)</u>	<u>(Harvest)</u>	<u>Retrieved</u>	<u>Ret.)</u>	<u>Ret.)</u>	<u>Ret.)</u>
347	99	153	540	18	6	7
0	0	0	0	0	0	0
29	28	-26	84	0	0	0
77	24	29	125	9	5	-0
50	27	-4	103	0	0	0
285	57	173	397	25	9	8
33	19	-4	70	2	2	-1
57	34	-10	124	0	0	0
17	17	-15	50	0	0	0
805	118	573	1036	54	12	31