

Band-tailed Pigeon Harvest Report, 2005

The band-tailed pigeon (BTP) harvest survey was conducted by telephone in the fall of 2005. A stratified, random sample of 1,500 was drawn from HIP registrants from the HIP cycle beginning 4/1/2005 through the BTP season's ending month (September, 2005). 790 hunters were contacted in the survey (53% response rate).

BTP hunters were stratified by their past hunting history, to focus the survey effort on repeat BTP hunters from the previous year. Strata 1 was composed of hunters that did not obtain a BTP permit number in the previous HIP cycle; Strata 2 was composed of hunters obtained a permit in 2005 but not in 2004, and Strata 3 was made up of hunters whom obtained a permit in 2005, and in 2004.

Harvest estimates are provided by strata and county. Included within the harvest estimates are standard error of the estimate, and the 95% lower and upper confidence interval for the harvest estimate. **The BTP harvest estimate is given with a large standard error, and extremely wide confidence intervals.**

Statewide harvest estimate (all counties reported) = 1,935 \pm 1,724 (210-3661).

Statewide harvest estimate (blue counties removed) = 1,446 \pm 1,654 (-219-3031).

The 2005 estimate is 4X the 2004 harvest estimate, but considering the width of the confidence interval around the 2005 estimate, it is impossible to make valid assumptions on the true harvest number. Certainly, from the data tables (highlighted in blue), hunters reported hunting and harvesting approximately 524 BTP in counties that do not have known or likely occurrence of BTP. More than likely, birds harvested in these counties are barn pigeons instead of BTP. 848 BTP were also harvested in 'unknown' counties, which gives no clue to where or what species was harvested. Considering these two factors, it is possible that approximately 70% of the reported harvest might be attributed to barn pigeons. That being said, without any clue to identify whether the 'unknown' county harvest occurred in areas with or without BTP, there is no justification to modify the data further.

05 Band-tailed Pigeon Harvest Survey Results

btpstrat	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Strata 1	79	8.42	79	8.42
Strata 2	298	31.77	377	40.19
Strata 3	561	59.81	938	100.00

Table of band-tailed pigeon strata

BTP strata Days hunted(Number of days hunted)

Frequency Percent Row Pct Col Pct						Total
	0	1	2	3	4	
Strata 1	78	1	0	0	0	79
	8.32	0.11	0.00	0.00	0.00	8.42
	98.73	1.27	0.00	0.00	0.00	
	9.87	3.45	0.00	0.00	0.00	
Strata 2	272	4	7	2	7	298
	29.00	0.43	0.75	0.21	0.75	31.77
	91.28	1.34	2.35	0.67	2.35	
	34.43	13.79	22.58	8.00	33.33	
Strata 3	440	24	24	23	14	561
	46.91	2.56	2.56	2.45	1.49	59.81
	78.43	4.28	4.28	4.10	2.50	
	55.70	82.76	77.42	92.00	66.67	
Total	790	29	31	25	21	938
	84.22	3.09	3.30	2.67	2.24	100.00

(Continued)

BTP Strata Days hunted (Number of days hunted)

Frequency Percent Row Pct Col Pct						Total
	5	6	7	8	9	
Strata 1	0	0	0	0	0	79
	0.00	0.00	0.00	0.00	0.00	8.42
	0.00	0.00	0.00	0.00	0.00	
	0.00	0.00	0.00	0.00	0.00	
Strata 2	2	1	0	1	0	298
	0.21	0.11	0.00	0.11	0.00	31.77
	0.67	0.34	0.00	0.34	0.00	
	13.33	14.29	0.00	33.33	0.00	
Strata 3	13	6	5	2	1	561

	1.39	0.64	0.53	0.21	0.11	59.81
	2.32	1.07	0.89	0.36	0.18	
	86.67	85.71	100.00	66.67	100.00	
-----+						
Total	15	7	5	3	1	938
	1.60	0.75	0.53	0.32	0.11	100.00
(Continued)						
Frequency						
Percent						
Row Pct						
Col Pct	10	12	14	15	20	Total
-----+						
Strata 1	0	0	0	0	0	79
	0.00	0.00	0.00	0.00	0.00	8.42
	0.00	0.00	0.00	0.00	0.00	
	0.00	0.00	0.00	0.00	0.00	
-----+						
Strata 2	1	1	0	0	0	298
	0.11	0.11	0.00	0.00	0.00	31.77
	0.34	0.34	0.00	0.00	0.00	
	33.33	100.00	0.00	0.00	0.00	
-----+						
Strata 3	2	0	1	1	5	561
	0.21	0.00	0.11	0.11	0.53	59.81
	0.36	0.00	0.18	0.18	0.89	
	66.67	0.00	100.00	100.00	100.00	
-----+						
Total	3	1	1	1	5	938
	0.32	0.11	0.11	0.11	0.53	100.00

05 Band-tailed Pigeon Harvest Survey Results

Estimated Harvest by Strata

Strata	Days Hunted	SE (Days Hunted)	LCI (Days Hunted)	UCI (Days Hunted)	Harvest	SE (Harvest)	LCI (Harvest)	UCI (Harvest)
No permit obtained	279	279	-267	825	837	836	-801	2475
Permit in 05, did not hunt 04	1121	251	630	1613	538	259	31	1045
Permit in 05 and in 04	1230	391	1863	3398	560	98	367	753
Total	2630	391	1863	3398	1935	880	210	3661

Dates Hunted

datehunt	Frequency	Percent	Cumulative Frequency	Cumulative Percent
01SEP04	25	14.45	25	14.45
02SEP04	16	9.25	41	23.70
03SEP04	22	12.72	63	36.42
04SEP04	18	10.40	81	46.82
05SEP04	12	6.94	93	53.76
06SEP04	5	2.89	98	56.65
07SEP04	6	3.47	104	60.12
08SEP04	4	2.31	108	62.43
09SEP04	6	3.47	114	65.90
10SEP04	5	2.89	119	68.79
11SEP04	4	2.31	123	71.10
12SEP04	6	3.47	129	74.57
13SEP04	5	2.89	134	77.46
14SEP04	2	1.16	136	78.61
15SEP04	4	2.31	140	80.92
16SEP04	1	0.58	141	81.50
17SEP04	6	3.47	147	84.97
18SEP04	6	3.47	153	88.44
19SEP04	2	1.16	155	89.60
20SEP04	1	0.58	156	90.17
21SEP04	2	1.16	158	91.33
23SEP04	1	0.58	159	91.91
24SEP04	2	1.16	161	93.06
25SEP04	2	1.16	163	94.22
27SEP04	2	1.16	165	95.38
28SEP04	2	1.16	167	96.53
29SEP04	4	2.31	171	98.84
30SEP04	2	1.16	173	100.00

Date of Harvest

Variable	Label	Sum	Minimum	Maximum
bagper1	Bagged Sep 1-3	103.0000000	0	15.0000000
bagper2	Bagged Sep 4-5	46.0000000	0	7.0000000
bagper3	Bagged Sep 6-10	34.0000000	0	13.0000000
bagper4	Bagged Sep 11-12	16.0000000	0	6.0000000
bagper5	Bagged Sep 13-17	23.0000000	0	6.0000000
bagper6	Bagged Sep 18-19	15.0000000	0	5.0000000
bagper7	Bagged Sep 20-24	20.0000000	0	10.0000000
bagper8	Bagged Sep 25-26	6.0000000	0	4.0000000
bagper9	Bagged Sep 27-30	18.0000000	0	5.0000000

Obs	DateBagged	bagperday
1	Bagged Sep 1-3	103
2	Bagged Sep 4-5	46
3	Bagged Sep 6-10	34
4	Bagged Sep 11-12	16
5	Bagged Sep 13-17	23
6	Bagged Sep 18-19	15

7	Bagged Sep 20-24	20
8	Bagged Sep 25-26	6
9	Bagged Sep 27-30	18

Habitat Types Where BT Pigeons Were Observed

Habitat	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Forest	41	35.04	41	35.04
Feedlots	17	14.53	58	49.57
Agricultural Fields	42	35.90	100	85.47
Shrubland	17	14.53	117	100.00

Satisfaction Level

Satisfy	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Strongly Dis.	12	10.71	12	10.71
Somewhat Dis.	11	9.82	23	20.54
Slightly Dis.	8	7.14	31	27.68
Neutral	7	6.25	38	33.93
Slightly Sat.	19	16.96	57	50.89
Somewhat Sat.	18	16.07	75	66.96
Strongly Sat.	37	33.04	112	100.00

Estimated Harvest by County

County	Hunters	SE (Hunters)	LCI (Hunters)	UCI (Hunters)	Days Hunted	SE (Days)	LCI (Days)	UCI (Days)	Harvest	SE (Harvest)	LCI (Harvest)	UCI (Harvest)
Adams	46	19	9	84	191	84	25	356	10	7	-5	24
Arapahoe	14	11	-8	36	140	131	-117	397	7	6	-4	18
Archuleta	15	5	6	23	126	49	30	222	85	65	-43	213
Bent	5	3	0	10	12	7	-1	25	15	11	-7	36
Boulder	24	12	1	46	138	89	-37	312	35	23	-10	80
Chaffee	2	2	-1	6	5	4	-2	12	0	0	0	0
Clear Creek	2	2	-1	6	2	2	-1	6	0	0	0	0
Conejos	11	11	-10	33	23	22	-20	66	0	0	0	0
Crowley	2	2	-1	6	5	4	-2	12	0	0	0	0
Custer	5	3	0	10	10	5	-1	20	0	0	0	0
Delta	12	4	4	20	34	13	9	59	24	12	1	48
Dolores	2	2	-1	6	15	11	-7	36	0	0	0	0
Eagle	21	12	-1	44	94	57	-18	205	0	0	0	0
Elbert	7	3	1	14	22	10	3	41	0	0	0	0
El Paso	30	16	-1	61	51	26	0	103	53	44	-33	139
Fremont	7	3	1	14	61	38	-13	135	0	0	0	0
Garfield	2	2	-1	6	12	9	-6	30	0	0	0	0
Grand	5	3	0	10	5	3	0	10	0	0	0	0
Hinsdale	5	3	0	10	51	37	-22	124	10	7	-5	24
Jackson	2	2	-1	6	49	37	-24	121	0	0	0	0
Jefferson	2	2	-1	6	2	2	-1	6	0	0	0	0
Kit Carson	11	11	-10	33	46	44	-40	131	0	0	0	0
La Plata	33	16	2	64	59	27	6	111	84	56	-26	194
Larimer	22	6	11	33	102	28	46	158	41	17	8	74
Las Animas	10	4	2	17	29	13	3	55	7	6	-4	18
Lincoln	14	11	-8	36	37	25	-11	86	114	109	-100	329
Logan	19	11	-4	41	93	50	-5	190	229	219	-200	657
Mesa	21	12	-1	44	80	46	-10	170	12	9	-6	30
Mineral	11	11	-10	33	11	11	-10	33	23	22	-20	66
Moffat	2	2	-1	6	10	7	-5	24	7	6	-4	18
Montezuma	5	3	0	10	22	14	-5	48	0	0	0	0
Montrose	19	11	-4	41	55	44	-31	142	7	6	-4	18
Morgan	10	4	2	17	29	12	6	53	0	0	0	0
Otero	35	16	4	66	133	66	4	262	39	21	-2	80
Park	16	11	-6	38	124	109	-90	339	10	7	-5	24

Phillips	2	2	-1	6	12	9	-6	30	41	32	-21	103
Pitkin	7	3	1	14	24	14	-3	51	2	2	-1	6
Prowers	2	2	-1	6	7	6	-4	18	0	0	0	0
Pueblo	31	12	7	55	162	57	50	274	85	40	7	163
Rio Blanco	2	2	-1	6	12	9	-6	30	24	19	-12	61
Routt	2	2	-1	6	5	4	-2	12	0	0	0	0
Saguache	7	3	1	14	24	15	-5	54	0	0	0	0
Teller	5	3	0	10	12	8	-3	27	10	7	-5	24
Weld	63	22	19	106	162	67	31	294	104	54	-1	209
Yuma	2	2	-1	6	12	9	-6	30	19	15	-10	49
Unknown	297	281	-253	846	325	283	-230	880	848	846	-811	2507
Total	874	286	313	1434	2630	391	1863	3398	1935	880	210	3661