

Hunting Estimates Report
2010-2011 Hunter Harvest Survey
Date Generated: 04/10/2012
Region: Statewide

Species	n	Total Hunters	Confidence Limits (±)	PSE	Credibility Rating	% of incidental hunters	Total Days	Confidence Limits (±)	PSE	Credibility Rating	Total Harvest	Confidence Limits (±)	PSE	Credibility Rating	% of harvest taken incidentally	Mean Days Per Hunter	Mean Harvest Per Hunter	Mean Harvest Per Day
All Deer	4935	239,993	2,951	0.006	G	0.00%	3,731,419	103,008	0.014	G	234,195	9,576	0.021	G	0.00%	15.55	0.98	0.06
Antlered Buck	4935	239,993	2,951	0.006	G	0.00%	3,731,419	103,008	0.014	G	104,577	4,525	0.022	G	0.00%	15.55	0.44	0.03
Button Buck	4935	239,993	2,951	0.006	G	0.00%	3,731,419	103,008	0.014	G	11,510	1,442	0.064	G	0.00%	15.55	0.05	0.00
Doe	4935	239,993	2,951	0.006	G	0.00%	3,731,419	103,008	0.014	G	118,119	6,806	0.029	G	0.00%	15.55	0.49	0.03
Turkey	1377	66,965	3,114	0.024	G	0.00%	384,387	18,519	0.025	G	25,831	2,233	0.044	G	0.00%	5.74	0.39	0.07
All Squirrels	1559	75,815	3,249	0.022	G	0.63%	528,461	34,262	0.033	G	631,354	42,903	0.035	G	0.34%	6.97	8.33	1.19
Gray Squirrel	1529	74,357	3,229	0.022	G	0.64%	520,886	33,758	0.033	G	622,033	42,445	0.035	G	0.35%	7.01	8.37	1.19
Fox Squirrel	116	5,641	1,017	0.092	G	2.82%	30,978	9,812	0.162	F	6,340	1,896	0.153	F	4.97%	5.49	1.12	0.20
Rabbit	1061	51,597	2,823	0.028	G	0.41%	369,886	30,239	0.042	G	326,799	35,761	0.056	G	0.06%	7.17	6.33	0.88
Dove	1610	78,296	3,284	0.021	G	0.07%	247,693	13,031	0.027	G	1,225,552	71,754	0.030	G	0.01%	3.16	15.65	4.95
Ducks	815	33,405	2,135	0.033	G	0.16%	294,352	23,283	0.040	G	481,247	52,500	0.056	G	0.01%	8.81	14.41	1.63
Canada Geese	273	10,150	1,177	0.059	G	4.18%	49,779	7,909	0.081	G	43,231	8,957	0.106	G	3.77%	4.90	4.26	0.87
Bobwhite Quail	331	16,097	1,687	0.053	G	1.32%	96,532	13,525	0.071	G	104,554	31,064	0.152	F	0.75%	6.00	6.50	1.08
Grouse	111	5,398	995	0.094	G	0.98%	34,577	9,177	0.135	G	6,281	3,054	0.248	P	0.84%	6.41	1.16	0.18
Woodcock	52	2,529	684	0.138	G	14.68%	10,314	3,596	0.178	F	7,489	2,739	0.187	F	11.92%	4.08	2.96	0.73
Crow	244	11,866	1,459	0.063	G	4.47%	77,274	18,948	0.125	G	106,941	27,653	0.132	G	1.47%	6.51	9.01	1.38
Coyote	666	32,388	2,322	0.037	G	12.44%	231,654	41,826	0.092	G	36,041	7,327	0.104	G	15.16%	7.15	1.11	0.16
Bear	327	15,902	1,677	0.054	G	0.33%	115,560	16,942	0.075	G	2,321	620	0.136	G	2.26%	7.27	0.15	0.02
Raccoon	266	12,936	1,520	0.060	G	6.15%	207,949	42,971	0.105	G	72,727	14,663	0.103	G	1.95%	16.08	5.62	0.35
Feral Swine	174	8,462	1,239	0.075	G	3.76%	65,269	15,084	0.118	G	10,590	4,449	0.214	P	3.47%	7.71	1.25	0.16
Fox	102	4,960	955	0.098	G	16.03%	36,310	15,370	0.216	P	7,416	3,242	0.223	P	16.29%	7.32	1.50	0.20
Bobcat	80	3,890	847	0.111	G	29.98%	17,142	5,948	0.177	F	2,216	464	0.107	G	54.51%	4.41	0.57	0.13

Hunter Harvest Survey Regional Credibility Measures

Although the Hunter Harvest Survey (HHS) database provides a huge amount of information about regional hunting activity for many species, there are a variety of possible problems with estimates derived from HHS data. Small sample sizes, low relative harvest or hunting effort rates, imprecise estimates, and missing data all can compromise HHS results. Often, users do not take these problems into account when viewing HHS results, and use the results inappropriately.

To provide some guidance into the interpretation of HHS data, we have implemented a series of checks for some minimum criteria that we view as cause for caution. We categorize HHS results into 3 credibility categories:

	Total Hunters	Total Days	Total Harvest
Poor	> 30% of counties have < 3 records within the selected region* < 20 individual hunter responses Total Hunter PSE > 20%	> 30% of counties have < 3 records within the selected region* < 20 individual hunter responses Total Days PSE > 20% <0.1 days per hunter	> 30% of counties have < 3 records within the selected region* < 20 individual hunter responses Total Harvest PSE > 20% <0.002 animals per hunter
Fair	>=20 and < 30 individual hunter responses 15% < Total Hunter PSE <= 20%	>=20 and < 30 individual hunter responses 15% < Total Days PSE <= 20% <1.0 days per hunter	>=20 and < 30 individual hunter responses 15% < Total Harvest PSE <= 20% <0.02 animals per hunter
Good	>= 30 individual hunter responses Total Hunter PSE < 15%	>= 30 individual hunter responses Total Days PSE < 15% >= 1.0 days per hunter	>= 30 individual hunter responses Total Harvest PSE < 15% >= 0.02 animals per hunter

*Does not apply to statewide summary

Frequency of Hunters with Various Numbers of Kills
2010-2011 Hunter Harvest Survey
Date Generated: 04/10/2012
Region: Statewide

All Deer

Number Killed	Number of Hunters	Percent of Hunters	Cumulative Frequency	Cumulative Percent
0	116,387	48.50%	116,387	48.50%
1	50,336	20.97%	166,723	69.47%
2	32,755	13.65%	199,478	83.12%
3	18,563	7.73%	218,041	90.85%
4	10,067	4.19%	228,108	95.05%
5	4,616	1.92%	232,724	96.97%
>= 6	7,268	3.03%	239,992	100.00%

Antlered Buck

Number Killed	Number of Hunters	Percent of Hunters	Cumulative Frequency	Cumulative Percent
0	152,433	63.52%	152,433	63.52%
1	58,194	24.25%	210,627	87.76%
2	22,148	9.23%	232,775	96.99%
3	5,402	2.25%	238,177	99.24%
4	1,621	0.68%	239,798	99.92%
5	49	0.02%	239,847	99.94%
>= 6	147	0.06%	239,994	100.00%

Button Buck

Number Killed	Number of Hunters	Percent of Hunters	Cumulative Frequency	Cumulative Percent
0	226,341	94.31%	226,341	94.31%
1	11,737	4.89%	238,078	99.20%
2	1,621	0.68%	239,699	99.88%
3	98	0.04%	239,797	99.92%
4	147	0.06%	239,944	99.98%
5	0	0.00%	239,944	99.98%
>= 6	49	0.02%	239,993	100.00%

Doe

Number Killed	Number of Hunters	Percent of Hunters	Cumulative Frequency	Cumulative Percent
0	160,781	66.99%	160,781	66.99%
1	44,590	18.58%	205,371	85.57%
2	19,398	8.08%	224,769	93.66%
3	7,661	3.19%	232,430	96.85%
4	4,174	1.74%	236,604	98.59%
5	1,670	0.70%	238,274	99.28%
>= 6	1,719	0.72%	239,993	100.00%

Turkey

Number Killed	Number of Hunters	Percent of Hunters	Cumulative Frequency	Cumulative Percent
0	46,546	69.51%	46,546	69.51%
1	15,105	22.56%	61,651	92.06%
2	5,265	7.86%	66,916	99.93%
3	0	0.00%	66,916	99.93%
4	49	0.07%	66,965	100.00%
5	0	0.00%	66,965	100.00%
>= 6	0	0.00%	66,965	100.00%

All Squirrels

Number Killed	Number of Hunters	Percent of Hunters	Cumulative Frequency	Cumulative Percent
0	10,726	14.15%	10,726	14.15%
1	5,240	6.91%	15,966	21.06%
2	7,151	9.43%	23,117	30.49%
3	6,465	8.53%	29,582	39.02%
4	6,661	8.79%	36,243	47.80%
5	4,702	6.20%	40,945	54.01%
>= 6	34,871	45.99%	75,816	100.00%

Gray Squirrel

Number Killed	Number of Hunters	Percent of Hunters	Cumulative Frequency	Cumulative Percent
0	10,315	13.87%	10,315	13.87%
1	4,986	6.71%	15,301	20.58%
2	6,893	9.27%	22,194	29.85%
3	6,502	8.74%	28,696	38.59%
4	6,502	8.74%	35,198	47.34%
5	4,742	6.38%	39,940	53.71%
>= 6	34,416	46.29%	74,356	100.00%

Fox Squirrel

Number Killed	Number of Hunters	Percent of Hunters	Cumulative Frequency	Cumulative Percent
0	2,296	40.71%	2,296	40.71%
1	1,947	34.51%	4,243	75.22%
2	1,048	18.58%	5,291	93.81%
3	150	2.65%	5,441	96.46%
4	50	0.88%	5,491	97.35%
5	0	0.00%	5,491	97.35%
>= 6	150	2.65%	5,641	100.00%

Rabbit

Number Killed	Number of Hunters	Percent of Hunters	Cumulative Frequency	Cumulative Percent
0	11,362	22.02%	11,362	22.02%
1	6,886	13.35%	18,248	35.37%
2	7,280	14.11%	25,528	49.48%
3	3,935	7.63%	29,463	57.10%
4	3,837	7.44%	33,300	64.54%
5	2,410	4.67%	35,710	69.21%
>= 6	15,887	30.79%	51,597	100.00%

Dove

Number Killed	Number of Hunters	Percent of Hunters	Cumulative Frequency	Cumulative Percent
0	6,328	8.08%	6,328	8.08%
1	1,325	1.69%	7,653	9.77%
2	2,943	3.76%	10,596	13.53%
3	2,600	3.32%	13,196	16.85%
4	4,219	5.39%	17,415	22.24%
5	3,826	4.89%	21,241	27.13%
>= 6	57,054	72.87%	78,295	100.00%

Ducks

Number Killed	Number of Hunters	Percent of Hunters	Cumulative Frequency	Cumulative Percent
0	5,389	16.13%	5,389	16.13%
1	1,851	5.54%	7,240	21.67%
2	1,934	5.79%	9,174	27.46%
3	1,934	5.79%	11,108	33.25%
4	2,139	6.40%	13,247	39.66%
5	1,646	4.93%	14,893	44.58%

>= 6	18,513	55.42%	33,406	100.00%
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Canada Geese

Number Killed	Number of Hunters	Percent of Hunters	Cumulative Frequency	Cumulative Percent
0	2,519	24.81%	2,519	24.81%
1	2,556	25.19%	5,075	50.00%
2	1,241	12.22%	6,316	62.22%
3	902	8.89%	7,218	71.11%
4	414	4.07%	7,632	75.19%
5	263	2.59%	7,895	77.78%
>= 6	2,256	22.22%	10,151	100.00%

Bobwhite Quail

Number Killed	Number of Hunters	Percent of Hunters	Cumulative Frequency	Cumulative Percent
0	7,472	46.42%	7,472	46.42%
1	953	5.92%	8,425	52.34%
2	953	5.92%	9,378	58.26%
3	752	4.67%	10,130	62.93%
4	1,053	6.54%	11,183	69.47%
5	501	3.12%	11,684	72.59%
>= 6	4,413	27.41%	16,097	100.00%

Grouse

Number Killed	Number of Hunters	Percent of Hunters	Cumulative Frequency	Cumulative Percent
0	3,435	63.64%	3,435	63.64%
1	932	17.27%	4,367	80.91%
2	491	9.09%	4,858	90.00%
3	98	1.82%	4,956	91.82%
4	98	1.82%	5,054	93.64%
5	0	0.00%	5,054	93.64%
>= 6	344	6.36%	5,398	100.00%

Woodcock

Number Killed	Number of Hunters	Percent of Hunters	Cumulative Frequency	Cumulative Percent
0	535	21.15%	535	21.15%
1	730	28.85%	1,265	50.00%
2	292	11.54%	1,557	61.54%
3	340	13.46%	1,897	75.00%
4	97	3.85%	1,994	78.85%
5	146	5.77%	2,140	84.62%
>= 6	389	15.38%	2,529	100.00%

Crow

Number Killed	Number of Hunters	Percent of Hunters	Cumulative Frequency	Cumulative Percent
0	1,526	12.86%	1,526	12.86%
1	1,428	12.03%	2,954	24.90%
2	2,068	17.43%	5,022	42.32%
3	1,280	10.79%	6,302	53.11%
4	689	5.81%	6,991	58.92%
5	886	7.47%	7,877	66.39%
>= 6	3,988	33.61%	11,865	100.00%

Coyote

Number Killed	Number of Hunters	Percent of Hunters	Cumulative Frequency	Cumulative Percent
0	16,511	50.98%	16,511	50.98%
1	9,546	29.47%	26,057	80.45%

2	3,361	10.38%	29,418	90.83%
3	877	2.71%	30,295	93.53%
4	633	1.95%	30,928	95.49%
5	487	1.50%	31,415	96.99%
>= 6	974	3.01%	32,389	100.00%

Bear

Number Killed	Number of Hunters	Percent of Hunters	Cumulative Frequency	Cumulative Percent
0	13,630	85.71%	13,630	85.71%
1	2,222	13.98%	15,852	99.69%
2	49	0.31%	15,901	100.00%
3	0	0.00%	15,901	100.00%
4	0	0.00%	15,901	100.00%
5	0	0.00%	15,901	100.00%
>= 6	0	0.00%	15,901	100.00%

Raccoon

Number Killed	Number of Hunters	Percent of Hunters	Cumulative Frequency	Cumulative Percent
0	1,876	14.50%	1,876	14.50%
1	3,259	25.19%	5,135	39.69%
2	1,926	14.89%	7,061	54.58%
3	741	5.73%	7,802	60.31%
4	741	5.73%	8,543	66.03%
5	1,037	8.02%	9,580	74.05%
>= 6	3,357	25.95%	12,937	100.00%

Feral Swine

Number Killed	Number of Hunters	Percent of Hunters	Cumulative Frequency	Cumulative Percent
0	5,146	60.82%	5,146	60.82%
1	1,880	22.22%	7,026	83.04%
2	544	6.43%	7,570	89.47%
3	198	2.34%	7,768	91.81%
4	99	1.17%	7,867	92.98%
5	148	1.75%	8,015	94.74%
>= 6	445	5.26%	8,460	100.00%

Fox

Number Killed	Number of Hunters	Percent of Hunters	Cumulative Frequency	Cumulative Percent
0	1,915	38.61%	1,915	38.61%
1	1,915	38.61%	3,830	77.23%
2	491	9.90%	4,321	87.13%
3	196	3.96%	4,517	91.09%
4	147	2.97%	4,664	94.06%
5	0	0.00%	4,664	94.06%
>= 6	295	5.94%	4,959	100.00%

Bobcat

Number Killed	Number of Hunters	Percent of Hunters	Cumulative Frequency	Cumulative Percent
0	1,773	45.57%	1,773	45.57%
1	2,019	51.90%	3,792	97.47%
2	98	2.53%	3,890	100.00%
3	0	0.00%	3,890	100.00%
4	0	0.00%	3,890	100.00%
5	0	0.00%	3,890	100.00%
>= 6	0	0.00%	3,890	100.00%