

**Trapper Estimates Report  
2013-2014 Trapper Harvest Survey  
Region: Statewide**

Species	Total Trappers					Total Trap Days				Total Harvest					
	Total Trappers	Confidence Limits (+)	PSE	Credibility Rating	% of incidental trappers	Total Trap Days	Confidence Limits (+)	PSE	Credibility Rating	Total Harvest	Confidence Limits (+)	PSE	Credibility Rating	% of harvest released alive at capture site	% of harvest taken incidentally
Bobcat	527	45	0.044	G	6.18%	253,444	76,978	0.155	F	1,448	198	0.070	G	3.07%	5.32%
Coyote	970	56	0.030	G	1.08%	838,475	203,881	0.124	G	6,949	1,141	0.084	G		0.28%
Fox	830	56	0.035	G	11.79%	463,854	114,693	0.126	G	8,573	1,426	0.085	G	18.89%	9.15%
Beaver	1,003	57	0.029	G	0.52%	654,788	217,201	0.169	F	13,138	2,108	0.082	G	0.05%	0.17%
Gray Fox	758	55	0.037	G	18.20%	408,757	116,264	0.145	G	6,409	1,143	0.091	G	17.47%	9.73%
Mink	222	33	0.076	G	12.75%	73,406	25,950	0.180	F	529	132	0.127	G		12.92%
Muskrat	496	42	0.043	G	8.08%	302,963	115,703	0.195	F	10,064	2,718	0.138	G	0.03%	1.37%
Nutria	273	40	0.074	G	35.26%	136,879	87,528	0.326	P	3,194	716	0.114	G	0.05%	36.54%
Red Fox	550	51	0.048	G	19.68%	340,755	110,800	0.166	F	2,185	351	0.082	G	22.86%	16.71%
River Otter	476	41	0.044	G	13.71%	316,773	137,679	0.222	P	2,908	509	0.089	G	0.23%	6.74%
Virginia Opossum	985	50	0.026	G	53.31%	333,825	140,780	0.215	P	11,629	1,158	0.051	G	13.90%	51.73%
Weasels	19	11	0.300	P	9.09%	9,492	10,145	0.545	P	26	21	0.411	P		13.33%
Raccoon	1,352	47	0.018	G	10.01%	984,964	234,940	0.122	G	23,072	2,493	0.055	G	2.81%	3.33%
Skunk	302	41	0.070	G	63.58%	65,754	33,292	0.258	P	1,163	258	0.113	G	1.80%	60.37%

**Mean Traps Set**

Species	Mean Harvest Per Trapper	Mean Days Per Trapper	Mean Trap Days Per Trapper	Per Trapper Per Day	Mean Trap Days Per Animal	Mean Harvest Per Trap Day
Bobcat	2.75	27.40	480.82	11.913	175.023	0.006
Coyote	7.16	36.01	864.15	15.312	120.655	0.008
Fox	10.33	26.96	558.97	13.556	54.109	0.018
Beaver	13.10	26.35	652.96	11.583	49.838	0.020
Gray Fox	8.45	24.12	539.11	12.449	63.780	0.016
Mink	2.39	22.86	331.23	9.360	138.634	0.007
Muskrat	20.28	26.17	610.46	13.019	30.104	0.033
Nutria	11.72	20.55	502.24	9.806	42.861	0.023
Red Fox	3.97	25.58	619.20	13.000	155.918	0.006
River Otter	6.11	29.98	665.19	11.774	108.945	0.009
Virginia Opossum	11.80	14.77	338.79	6.638	28.706	0.035
Weasels	1.36	31.91	493.91	9.545	362.200	0.003
Raccoon	17.07	31.14	728.56	13.114	42.691	0.023
Skunk	3.85	11.46	217.56	5.107	56.526	0.018

Total # of license holders	3,695	<b>Active Trapper Estimate</b>
Deceased license holder rate	0.0002707	# of Active Trappers from Respondents
Adj Total # of license holders	3,693	Proportion of Responding Trappers
Total # of surveys sent	3,694	Estimated Proportion of Non-responding Trappers
Undeliverables	139	SE
Deceased	1	PSE
Sample size	3,554	Total Active Licensed Trappers
Sample rate	96.24%	Margin of Error @ 95% CL
Total Survey Returns	1,832	Active Trapper Rate within All License Holders
Refused	12	
Total Survey Responses	1,820	
Response rate	51.21%	
Total Not Responding	1,734	

## Trapper Harvest Survey Regional Credibility Measures

Although the Trapper Harvest Survey (THS) 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 THS data. Small sample sizes, low relative harvest or trapping effort rates, imprecise estimates, and missing data all can compromise THS results. Often, users do not take these problems into account when viewing THS results, and use the results inappropriately.

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

	<b>Total Trappers</b>	<b>Total Trap Days</b>	<b>Total Harvest</b>
<b>Poor</b>	> 30% of counties have < 3 records within the selected region*  < 20 individual trapper responses Total Trapper PSE > 20%	> 30% of counties have < 3 records within the selected region*  < 20 individual trapper responses Total Days PSE > 20% <1.0 days per trapper	> 30% of counties have < 3 records within the selected region*  < 20 individual trapper responses Total Harvest PSE > 20% <0.002 animals per trapper
<b>Fair</b>	>=20 and <30 individual trapper responses 15% < Total Trapper PSE <= 20%	>=20 and <30 individual trapper responses 15% < Total Harvest PSE <= 20% <10.0 days per trapper	>=20 and <30 individual trapper responses  <0.02 animals per trapper
<b>Good</b>	>= 30 individual trapper responses Total Trapper PSE < 15%	>= 30 individual trapper responses Total Harvest PSE < 15% >= 10.0 days per trapper	>= 30 individual trapper responses  >= 0.02 animals per trapper

\*Does not apply to statewide summary