

**Trapper Estimates Report  
2012-2013 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	456	40	0.044	G	9.58%	278,083	108,398	0.199	F	1,483	251	0.086	G	2.39%	5.98%
Coyote	708	43	0.031	G	1.98%	600,591	167,316	0.142	G	5,418	917	0.086	G		0.67%
Fox	680	48	0.036	G	13.82%	307,365	65,464	0.109	G	8,587	1,703	0.101	G	18.71%	11.63%
Beaver	769	43	0.029	G	0.55%	558,659	161,981	0.148	G	11,393	1,613	0.072	G	0.04%	0.03%
Gray Fox	643	47	0.038	G	24.39%	285,976	70,498	0.126	G	6,825	1,423	0.106	G	17.66%	12.26%
Mink	229	34	0.076	G	10.96%	97,135	54,318	0.285	P	444	192	0.221	P		9.19%
Muskrat	394	34	0.044	G	13.17%	281,367	123,162	0.223	P	8,932	2,421	0.138	G		2.62%
Nutria	164	25	0.077	G	38.19%	90,964	48,297	0.271	P	2,167	667	0.157	F	0.21%	30.13%
Red Fox	433	43	0.051	G	24.28%	221,617	65,170	0.150	F	1,768	397	0.115	G	22.69%	26.33%
River Otter	409	37	0.046	G	15.84%	359,677	134,264	0.190	F	2,787	587	0.108	G	0.09%	5.06%
Virginia Opossum	890	47	0.027	G	52.82%	315,888	127,419	0.206	P	12,317	1,980	0.082	G	14.68%	49.32%
Weasels	20	11	0.276	P	0.00%	31,442	43,382	0.704	P	2	3	1.000	P		0.00%
Raccoon	1,127	43	0.019	G	17.39%	679,267	262,455	0.197	F	16,824	1,967	0.060	G	5.08%	7.46%
Skunk	213	33	0.080	G	59.56%	63,762	49,654	0.397	P	782	144	0.094	G	3.01%	59.72%

Species	Mean Traps Set					
	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	3.25	28.32	610.15	12.322	187.480	0.005
Coyote	7.66	37.07	848.84	14.699	110.843	0.009
Fox	12.63	25.86	451.91	12.140	35.795	0.028
Beaver	14.81	35.92	726.35	9.397	49.037	0.020
Gray Fox	10.62	22.67	445.07	11.015	41.899	0.024
Mink	1.94	26.94	424.53	8.660	219.015	0.005
Muskrat	22.67	27.61	714.06	13.271	31.501	0.032
Nutria	13.21	27.60	554.55	8.370	41.985	0.024
Red Fox	4.09	24.94	512.36	11.601	125.346	0.008
River Otter	6.81	33.05	879.05	12.213	129.072	0.008
Virginia Opossum	13.84	15.57	354.87	6.495	25.646	0.039
Weasels	0.08	60.08	1543.31	13.000	20063.000	0.000
Raccoon	14.93	27.30	602.83	10.832	40.376	0.025
Skunk	3.67	15.47	299.17	5.328	81.536	0.012

Total # of license holders	3,125	Active Trapper Estimate	
Deceased license holder rate	0.0006402	# of Active Trappers from Respondents	980
Adj Total # of license holders	3,122	Proportion of Responding Trappers	0.6038201
Total # of surveys sent	3,124	Estimated Proportion of Non-responding Trappers	0.359
Undeliverables	133	SE	0.0121406
Deceased	2	PSE	0.0201063
Sample size	2,989	Total Active Licensed Trappers	1,536
Sample rate	95.74%	Margin of Error @ 95% CL	61
Total Survey Returns	1,639	Active Trapper Rate within All License Holders	49.19%
Refused	16		
Total Survey Responses	1,623		
Response rate	54.30%		
Total Not Responding	1,366		

## 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