

TRAPPING HARVEST STATISTICS

Division of Fish and Wildlife
500 Lafayette Road, Box 20
Saint Paul, MN 55155-4020
(651) 259-5207

2012 TRAPPER HARVEST SURVEY

Margaret Dexter, Wildlife Research Unit

INTRODUCTION

The Minnesota Department of Natural Resources (MNDNR) annually conducts a mail survey of licensed trappers. Annual harvest estimates from the survey data are used to help assess and set trapping regulations and season structure. Beginning in 2000, survey cards were sent to all trappers with a valid mailing address.

METHODS

The sampling frame consisted of all individuals with active MNDNR trapping licenses (all types) listed in the Electronic License System (ELS) database in late February 2013. There were 9,998 active trapping licenses in the ELS database, which consisted of 7,873 Resident Regular Trappers, 510 Resident Junior Trappers, 1,175 Resident Senior Trappers, 432 “active” Lifetime Trappers, and 8 Nonresident (MN landowners) license holders. License type was reclassified as “adult” or “youth” for analysis purposes.

The MNDNR Trapper Harvest Survey is a census but the response rate is <100% (mean = 80%, range: 59–91%). Thus, uncertainty in harvest estimates is strictly a function of non-response rather than random sampling. However, if non-response (unit and item) is completely random then data from respondents can be treated as a random sample, which is how the Trapper Harvest Survey has been analyzed historically. The critical assumption is that non-response is completely random (e.g., if you repeated the survey, non-respondents would be a random subset of licensed trappers). For consistency with previous analyses, response data were treated as a random sample.

A postcard survey (Figure 1) was sent to all trapping license holders with a valid mailing address at the close of the license year. Trappers that returned the survey questionnaire within three weeks were marked returned and eliminated from follow-up mailings. Follow-up mailings were sent to non-respondents at intervals of three weeks. For this year, in an effort to reduce postage and printing costs the number of follow-up mailings was reduced to one.

Returned questionnaires were checked for completeness, consistency, and biological practicability. Cards were marked with numeric county codes corresponding to the trapper’s written information. Data from each usable card was converted to an electronic database. Dual key-entry and quality control checks were used to minimize transcription errors. The data were tabulated using Viking Data Entry VDE+ software and analyzed using the R programming language (ver. 3.0; R Development Core Team 2009).

RESULTS

There were 9,983 licensed trappers (99.8%) with deliverable addresses for the mail survey; 5,844 of these individuals returned useable questionnaires (response rate = 58.5%; Figure 2). Ninety-five percent of respondents were adults, which is similar to the proportion of adult licensees in the ELS database. However, young adults (18-25) were less likely to respond to the survey than older adults (Figure 3). . Seventy eight percent of respondents (adults = 77%, youth = 90%) reported setting traps for at least one species (Table 1).

Table 2 presents estimated number of trappers, take per trapper, and estimated harvest for the 2012-13 trapping season. Historic trapper estimates are presented in Table 3 and Figures 4 and 5.



Minnesota Department of Natural Resources
 Division of Fish and Wildlife
 Wildlife Research Unit
 500 Lafayette Road, Box 20
 St. Paul, MN 55155

RETURN SERVICE REQUESTED

2012 Trapper Report

- Did you set traps / snares in Minnesota during the 2012-2013 trapping season?
 No Yes (Please check one)
- Indicate your harvest, the number of days you trapped for each species, the average number of traps you had set PER DAY for each species, and the county in which you trapped **most** for each species. Report only animals **YOU personally** trapped in Minnesota. Animals taken by hunting should **NOT** be reported here.

| Species Trapped | Number YOU Trapped All Season | # Days Trapped All Season | Average # Traps/Snares Set Per Day | County You Trapped In Most |
|--------------------------|-------------------------------|---------------------------|------------------------------------|----------------------------|
| Muskrat | 80 | | | |
| Mink | 32 | | | |
| Gray Fox | 96 | | | |
| Striped skunk | 34 | | | |
| Coyote (brush wolf) | 97 | | | |
| Beaver (Mar-April '12) | 81 | | | |
| Beaver (Oct '12-Feb '13) | 82 | | | |
| Pine marten | 37 | | | |
| Otter | 38 | | | |
| Fisher | 36 | | | |
| Badger | 35 | | | |
| Long-tailed weasel | 31 | | | |
| Short-tailed weasel | 30 | | | |
| Opossum | 10 | | | |
| Bobcat | 98 | | | |
| Raccoon | 94 | | | |
| Red Fox | 95 | | | |

Dear Trapper:

You are being asked as a trapping license buyer to assist us in evaluating the 2012-2013 trapping season (**March 2012-February 2013**). For Spring Beaver, please report only animals taken between March 2012 and April 2012. We need this information to estimate the season's harvest and to help set future furbearer trapping seasons. Similar to past years we are also asking for the **average number of traps you set per day** for each species. If a trap is set for multiple species, count the trap for both species when answering the question. For example, if you ran 20 mink/coon traps each day, enter 20 traps/day for both mink and coon.

YOUR RESPONSE IS NEEDED EVEN IF YOU DID NOT SET TRAPS THIS YEAR.

Please fill out the attached questionnaire and mail as soon as possible. No envelope or stamp is necessary; just tear along the perforation and drop into a mailbox.

THANK YOU FOR YOUR COOPERATION

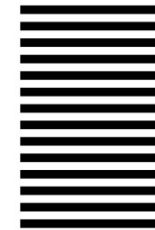
Ed Boggess, Director
 Division of Fish and Wildlife
 Department of Natural Resources



Minnesota Department of Natural Resources
 Division of Fish and Wildlife
 Wildlife Research Unit
 500 Lafayette Road, Box 20
 St. Paul, MN 55155



NO POSTAGE
 NECESSARY
 IF MAILED
 IN THE
 UNITED STATES



BUSINESS REPLY MAIL
 FIRST-CLASS MAIL PERMIT NO. 171 ST. PAUL, MN

POSTAGE WILL BE PAID BY ADDRESSEE

Department of Natural Resources - Wildlife
 STATE OF MINNESOTA
 395 JOHN IRELAND BLVD
 SAINT PAUL, MN 55101-9798

Figure 1. Trapper survey card 2012.

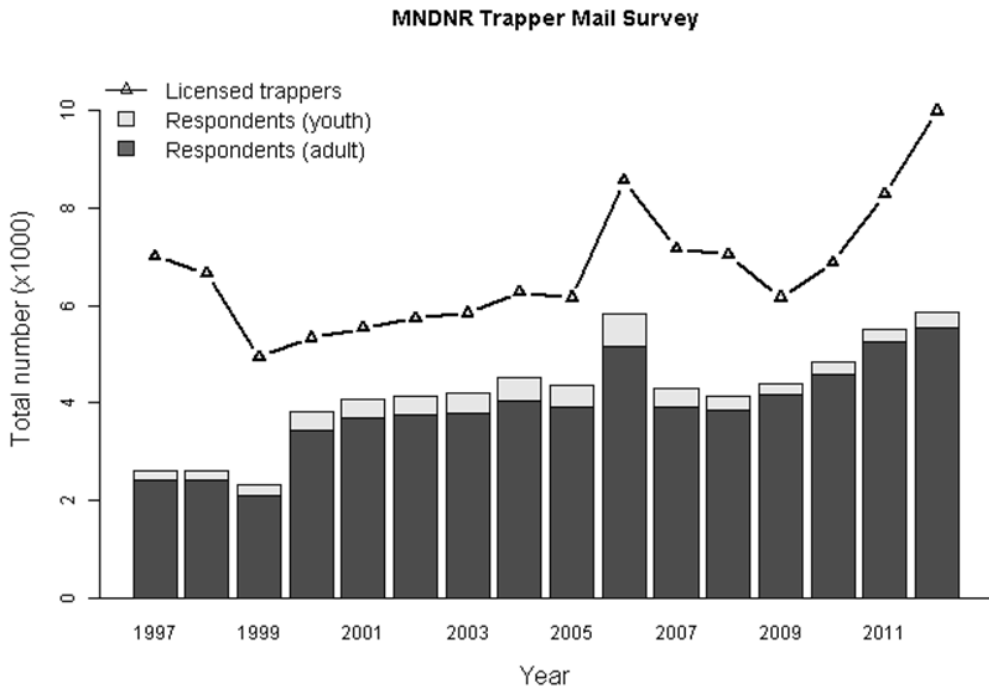


Figure 2. Trapper response to mail surveys, 1997 -98 through 2012- 13.

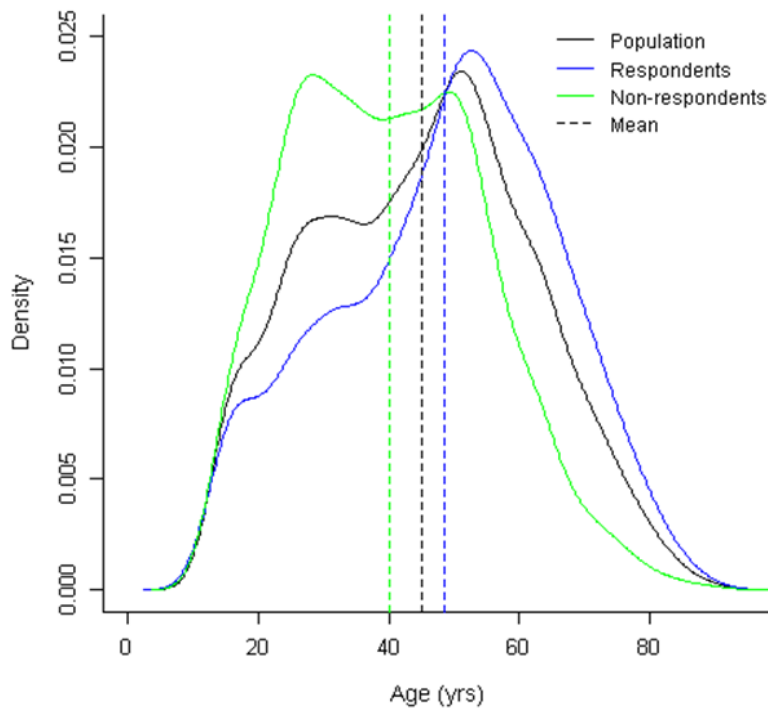


Figure 3. Response by age for trapper harvest survey, 2012-13.

Table 1. Use of trapper licenses, 2000-01 through 2012-13.

| | | Return from mail survey | Projections from license sales |
|---------|--------------|----------------------------|-----------------------------------|
| 2000-01 | Trapped | 2,897 (75.9%) | 4,051 |
| | Did not trap | <u>920 (24.1%)</u> | <u>1,286</u> |
| | | 3,817 (100.0%) | 5,337 ^a |
| 2001-02 | Trapped | 3,332 (81.5%) | 4,510 |
| | Did not trap | <u>754 (18.5%)</u> | <u>1,024</u> |
| | | 4,086 (100.0%) | 5,534 ^a |
| 2002-03 | Trapped | 3,344 (80.6%) | 4,615 |
| | Did not trap | <u>804 (19.4%)</u> | <u>1,111</u> |
| | | 4,148 (100.0%) | 5,726 ^a |
| 2003-04 | Trapped | 3,412 (81.1%) | 4,737 |
| | Did not trap | <u>793 (18.9%)</u> | <u>1,104</u> |
| | | 4,205 (100.0%) | 5,841 ^a |
| 2004-05 | Trapped | 3,697 (81.9%) | 5,136 |
| | Did not trap | <u>815 (18.1%)</u> | <u>1,135</u> |
| | | 4,512 (100.0%) | 6,271 ^a |
| 2005-06 | Trapped | 3,495 (80.0%) | 4,930 |
| | Did not trap | <u>875 (20.0%)</u> | <u>1,233</u> |
| | | 4,370 (100.0%) | 6,163 ^a |
| 2006-07 | Trapped | 4,782 (81.9%) | 7,008 |
| | Did not trap | <u>1,053 (18.1%)</u> | <u>1,549</u> |
| | | 5,835 (100.0%) | 8,557 ^a |
| 2007-08 | Trapped | 3,322 (77.2%) | 5,533 |
| | Did not trap | <u>980 (22.8%)</u> | <u>1,634</u> |
| | | 4,302 (100.0%) | 7,167 ^a |
| 2008-09 | Trapped | 3,154 (75.7%) | 5,319 |
| | Did not trap | <u>1,012 (24.3%)</u> | <u>1,708</u> |
| | | 4,166 (100.0%) | 7,027 ^a |
| 2009-10 | Trapped | 3,202 (72.7%) | 4,467 |
| | Did not trap | <u>1,202 (27.3%)</u> | <u>1,677</u> |
| | | 4,404 (100.0%) | 6,144 ^a |
| 2010-11 | Trapped | 3,546 (73.2%) | 5,032 |
| | Did not trap | <u>1,298 (26.8%)</u> | <u>1,843</u> |
| | | 4,844 (100.0%) | 6,875 ^a |
| 2011-12 | Trapped | 4,498 (81.5%) | 6,748 |
| | Did not trap | <u>1,019 (18.5%)</u> | <u>1,532</u> |
| | | 5,517 (100.0%) | 8,280 ^a |
| 2012-13 | Trapped | 4,537 (77.6%) | 7,747 |
| | Did not trap | <u>1,307 (22.4%)</u> | <u>2,236</u> |
| | | 5,844 (100.0%) | 9,983 ^a |

^a excludes duplicates.

Table 2. Estimated number of trappers, mean harvest/trapper, and total harvest in Minnesota, 2012-13.

| | Estimated trappers | 95% CI | Mean harvest/ trapper | Estimated total harvest | 95% CI |
|--------------------------|--------------------|--------|-----------------------|-------------------------|--------|
| Muskrat | 4,110 | 81 | 58.9 | 242,120 | 15,680 |
| Mink | 3,110 | 77 | 5.9 | 18,460 | 1,340 |
| Short-tailed weasel | 690 | 42 | 6.5 | 4,500 | 570 |
| Long-tailed weasel | 540 | 37 | 3.7 | 2,030 | 320 |
| Raccoon | 4,680 | 82 | 17.1 | 79,800 | 4,440 |
| Striped skunk | 1,940 | 65 | 6.5 | 12,620 | 850 |
| Badger | 360 | 31 | 1.6 | 570 | 80 |
| Opossum | 1,100 | 52 | 6.2 | 6,780 | 590 |
| Red fox | 2,240 | 69 | 3.4 | 7,540 | 500 |
| Gray fox | 1,180 | 53 | 2.2 | 2,550 | 200 |
| Coyote | 2,360 | 70 | 4.7 | 11,130 | 810 |
| Beaver (Mar-Apr 2012) | 1,810 | 64 | 19.1 | 34,600 | 2,460 |
| Beaver (Oct '12-Feb '13) | 2,620 | 73 | 9.4 | 24,590 | 1,820 |

Table 3. Minnesota trapper license sales and estimated annual harvest, 1998-99 through 2012-2013^a

| | 1998-99 | 1999-00 | 2000-01 | 2001-02 | 2002-03 | 2003-04 | 2004-05 | 2005-06 | 2006-07 | 2007-08 | 2008-09 | 2009-10 | 2010-11 | 2011-12 | 2012-13 |
|--|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| Trapper license sales^b | 6,652 | 4,936 | 5,337 | 5,534 | 5,725 | 5,841 | 6,271 | 6,163 | 8,557 | 7,167 | 7,027 | 6,158 | 6,885 | 8,280 | 9,998 |
| Estimated harvest^c | | | | | | | | | | | | | | | |
| Muskrat | 131,439 | 97,333 | 85,555 | 100,819 | 75,190 | 69,131 | 72,079 | 91,271 | 243,360 | 75,439 | 80,157 | 98,524 | 180,505 | 352,030 | 242,120 |
| Mink | 36,152 | 26,808 | 22,590 | 28,684 | 19,894 | 16,716 | 21,478 | 18,048 | 26,084 | 18,626 | 16,647 | 13,207 | 13,853 | 15,770 | 18,460 |
| Short-tailed weasel | 2,400 | 1,763 | 2,586 | 4,160 | 2,895 | 3,519 | 2,679 | 2,223 | 8,145 | 4,155 | 3,515 | 3,128 | 4,914 | 7,300 | 4,500 |
| Long-tailed weasel | 1,863 | 1,619 | 1,354 | 2,243 | 1,138 | 1,781 | 1,007 | 651 | 3,494 | 2,013 | 1,118 | 838 | 1,732 | 3,020 | 2,030 |
| Raccoon (Oct - Feb) | 63,680 | 37,435 | 32,460 | 60,292 | 61,221 | 53,534 | 56,848 | 48,966 | 78,571 | 73,498 | 71,893 | 45,118 | 57,245 | 98,240 | 79,800 |
| Raccoon (Mar -Aug) ^f | 6,849 | 4,263 | 3,702 | 6,468 | 4,137 | 4,933 | 4,940 | 3,594 | | | | | | | |
| Striped skunk | 9,181 | 5,266 | 4,580 | 7,168 | 7,901 | 8,474 | 8,704 | 6,881 | 10,773 | 10,811 | 10,354 | 6,194 | 8,023 | 12,250 | 12,620 |
| Eastern spotted skunk ^g | Closed | Closed | Closed | Closed | Closed | Closed | Closed | Closed | Closed | Closed | Closed | Closed | Closed | Closed | Closed |
| Badger | 400 | 319 | 205 | 407 | 358 | 552 | 455 | 339 | 461 | 499 | 424 | 316 | 344 | 490 | 570 |
| Opossum | 6,916 | 5,907 | 5,351 | 5,127 | 8,491 | 11,251 | 14,313 | 11,754 | 20,442 | 17 | 11,296 | 4,963 | 4,193 | 4,400 | 6,780 |
| Red fox (Oct - Feb) | 6,347 | 6,508 | 6,165 | 6,870 | 7,851 | 6,721 | 4,684 | 3,528 | 6,783 | 4,060 | 3,500 | 2,984 | 3,311 | 7,250 | 7,540 |
| Red fox (Mar -Aug) ^f | 458 | 379 | 357 | 447 | 612 | 635 | 334 | 222 | | | | | | | |
| Gray fox | 976 | 743 | 468 | 525 | 892 | 915 | 898 | 797 | 1,703 | 1,360 | 1,320 | 1,084 | 1,110 | 2,100 | 2,550 |
| Coyote | 1,637 | 2,372 | 2,112 | 2,369 | 3,641 | 3,805 | 3,607 | 3,915 | 5,315 | 5,355 | 4,532 | 3,797 | 4,292 | 8,780 | 11,130 |
| Beaver (Oct 12- Feb 13) | 38,720 | 30,564 | 24,802 | 35,963 | 23,592 | 22,801 | 28,716 | 26,029 | 33,966 | 21,813 | 21,075 | 18,178 | 17,048 | 26,620 | 24,590 |
| Beaver (Mar 12-Apr 12) | 55,262 | 36,189 | 37,455 | 41,829 | 33,721 | 26,363 | 37,861 | 35,252 | 41,652 | 26,286 | 27,815 | 25,008 | 29,118 | 29,500 | 34,600 |
| Registered harvest | | | | | | | | | | | | | | | |
| Otter | 1,946 | 1,635 | 1,578 | 2,301 | 2,145 | 2,766 | 3,450 | 2,846 | 2,720 | 1,861 | 1,938 | 1,544 | 1,814 | 2,294 | 3,171 |
| Lynx ^g | Closed | Closed | Closed | Closed | Closed | Closed | Closed | Closed | Closed | Closed | Closed | Closed | Closed | Closed | Closed |
| Bobcat ^c | 103 | 206 | 231 | 250 | 544 | 483 | 631 | 590 | 890 | 702 | 853 | 884 | 1,012 | 1,711 | 1,875 |
| Fisher | 2,695 | 1,725 | 1,674 | 2,119 | 2,660 | 2,517 | 2,552 | 2,388 | 3,251 | 1,682 | 1,712 | 1,259 | 903 | 1,473 | 1,293 |
| Marten | 2,299 | 2,423 | 1,629 | 1,928 | 2,839 | 3,214 | 3,241 | 2,653 | 3,788 | 2,221 | 1,823 | 2,073 | 1,842 | 2,525 | 1,472 |

^a Includes data for all seasons from October through April of years indicated.

^b Separate licenses were issued for juveniles (13-17 years old) and adults (18 and older), beginning in 1982. Nonresident (MN Landowner) licenses started in 2004. Senior trapping licenses were first issued in 2007. Lifetime Licenses became available for free when renewing lifetime sports or small game licenses in 2007. As of April, 2013 - 9,998 trapping licenses were sold in 2012 - 510 (5.1%) were junior licenses, 7,873 (78.7%) were Regular adult licenses, 1,175 (11.7%) were Senior licenses, 432 (4.3%) were Lifetime licenses, and 8 (<1%) were Nonresident (MN Landowner) licenses. Duplicate licenses excluded.

^c Based upon trappers' responses to mail surveys.

^e Registered harvest for bobcat includes animals taken by hunting. ^f Raccoon and red fox season continuous May 1994 thru March 15, 2006.

^g Lynx (1984) and Eastern spotted skunk (1996) listed as Special Concern and threatened species (respectively) and are fully protected.

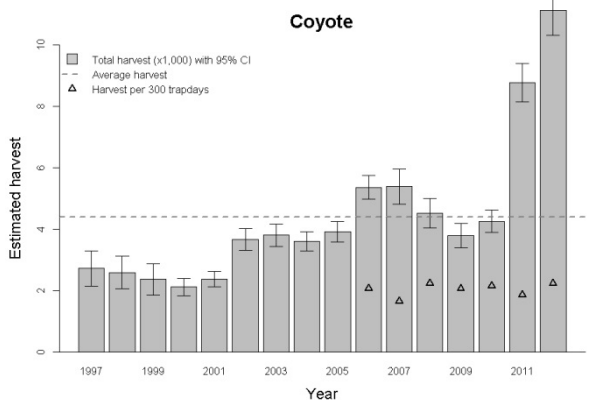
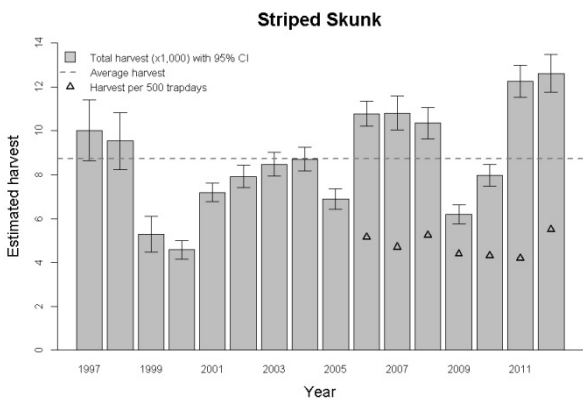
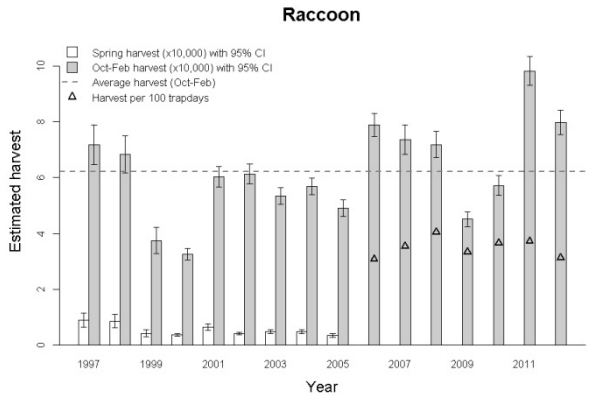
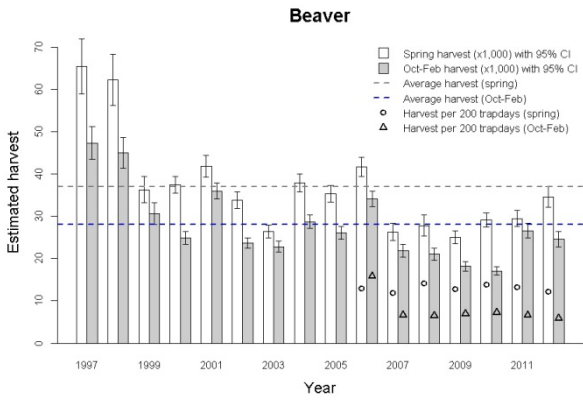
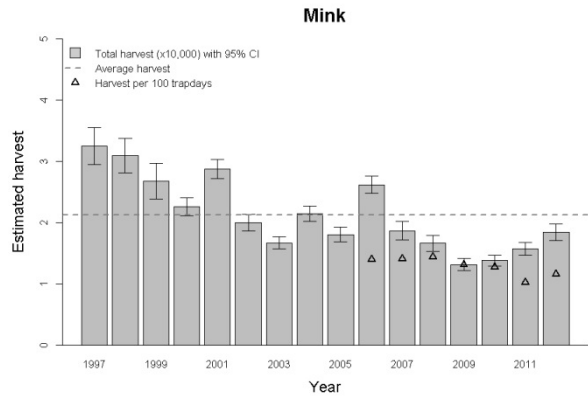
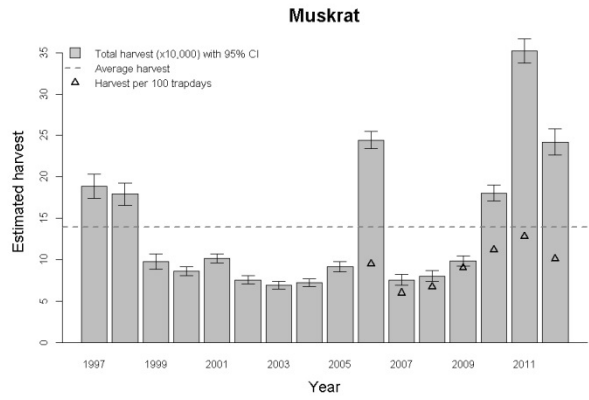


Figure 4. Historic harvest by Minnesota trappers, 1997-2012

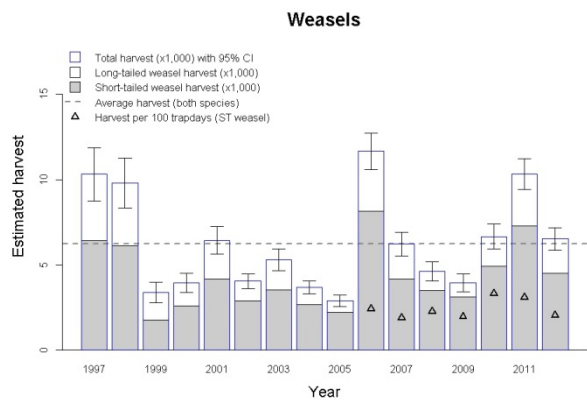
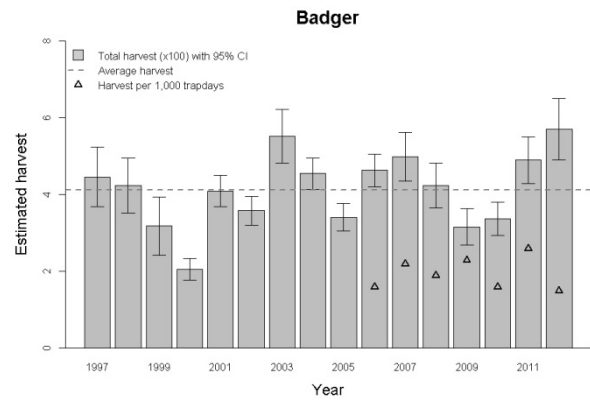
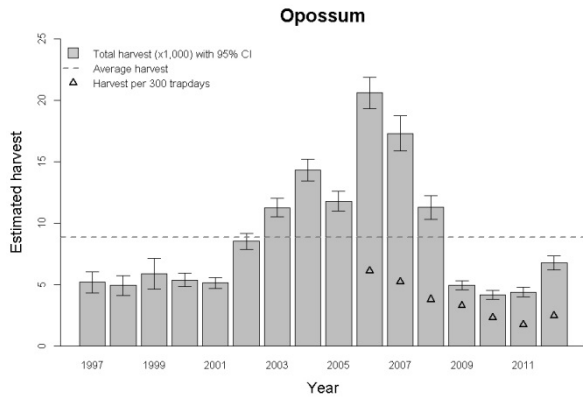
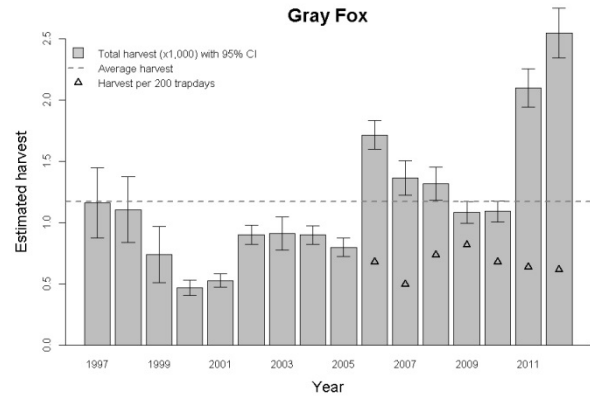
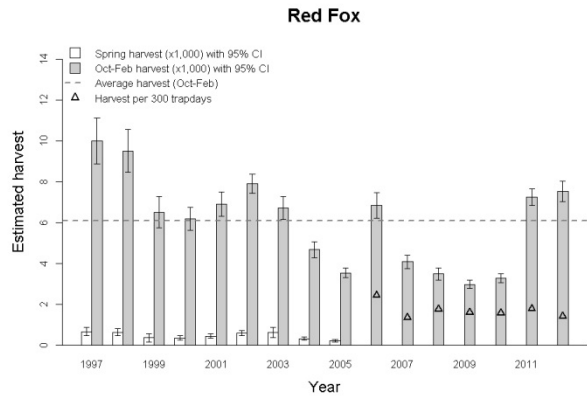


Figure 4. (continued).

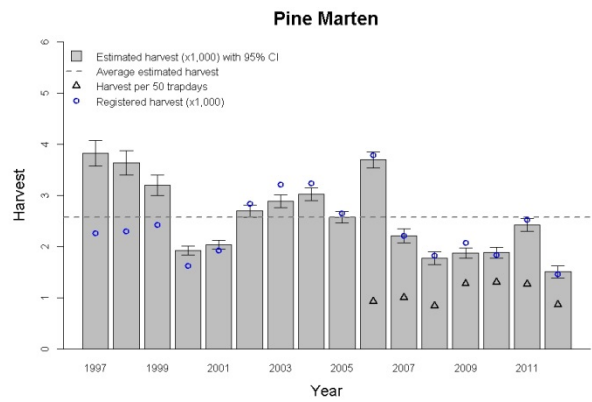
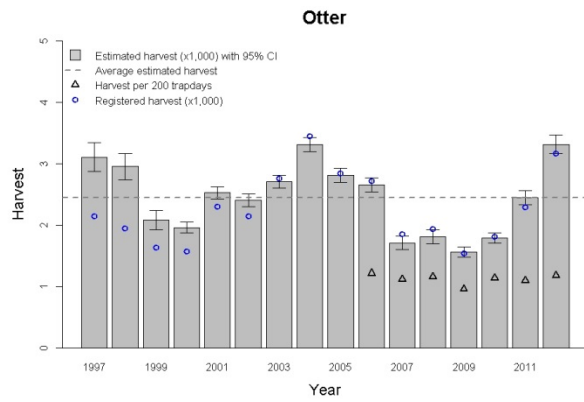
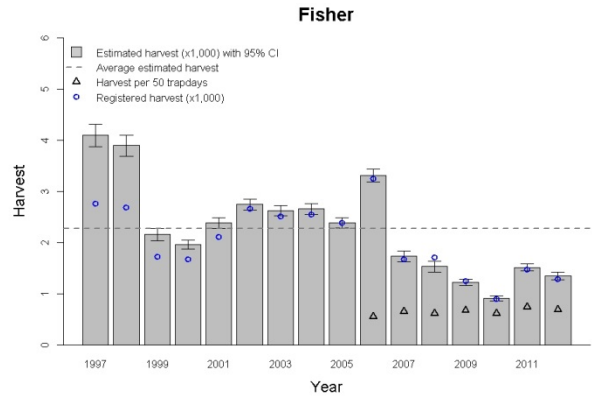
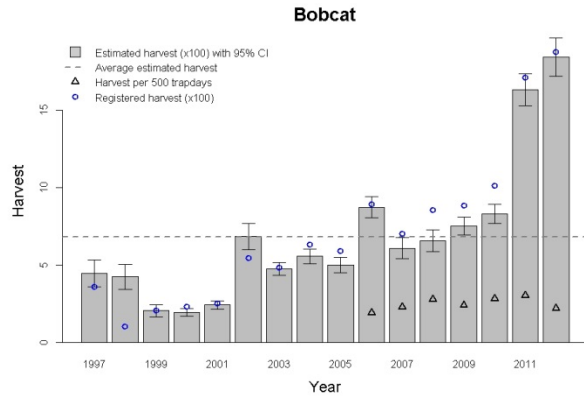


Figure 5. Registered fur harvest, 1997-2012.

MINNESOTA FUR BUYERS SURVEY FOR THE 2012-2013 HUNTING AND TRAPPING SEASON

Jason Abraham, Wildlife Season Setting/Furbearer Specialist
Margaret Dexter, Wildlife Policy and Research Unit

INTRODUCTION

Fur buyers are individuals licensed by the State of Minnesota to buy and sell raw fur. They are required to keep complete records of all transactions and activities related to buying, selling, and disposing of raw furs. Each year buyers are sent a questionnaire asking them to submit information regarding the “average” price they paid to trappers for various furbearers the previous season.

METHODS

In August 2013, questionnaires were mailed to the 43 licensed fur buyers in Minnesota. The survey asked them to report the number and type of fur purchased from Minnesota trappers and hunters in 2011-13 and the “average price” paid to those hunters and trappers based on all furs purchased. A total of 32 usable surveys were received, for a return rate of 74 percent. Calculations of average pelt price for each species (Table 1) were weighted according to the number of pelts purchased by each buyer. Average pelt prices for the past 15 years are summarized in Table 2. Total estimated value of the furbearer harvest to trappers and hunters in 2011-12 was \$1,970,338.77, a 23 percent decrease from 2012-2013.

Table 1. Minnesota fur prices as reported by licensed fur dealers, 2012-13.

| Species | Number Pelts | Minimum Price | Maximum Price | Weighted Mean |
|---------------|--------------|---------------|---------------|---------------|
| Muskrat | 51773 | 5.00 | 10.05 | 7.91 |
| Mink Female | 2519 | 9.00 | 25.00 | 17.53 |
| Mink male | 3587 | 10.00 | 25.00 | 18.27 |
| Raccoon | 32587 | 10.00 | 18.10 | 16.60 |
| Red Fox | 1307 | 10.00 | 50.00 | 33.52 |
| Gray Fox | 389 | 10.00 | 30.00 | 19.20 |
| Coyote | 4235 | 10.00 | 121.00 | 22.04 |
| Bobcat | 285 | 75.00 | 181.00 | 144.79 |
| River Otter | 814 | 30.00 | 85.00 | 72.12 |
| Beaver 10-2 | 5742 | 8.00 | 20.50 | 18.47 |
| Beaver 3-4 | 2286 | 10.00 | 22.00 | 12.80 |
| L.T. Weasel | 27 | 1.00 | 6.00 | 2.51 |
| S.T. Weasel | 704 | 1.00 | 7.00 | 4.10 |
| Striped Skunk | 529 | 2.00 | 31.00 | 5.00 |
| Badger | 104 | 10.00 | 22.50 | 14.54 |
| Opossum | 177 | 1.00 | 3.50 | 1.52 |
| Fisher Male | 277 | 45.00 | 80.00 | 62.38 |
| Fisher Female | 86 | 40.00 | 90.00 | 63.02 |
| Marten Male | 124 | 45.00 | 80.00 | 56.57 |
| Marten Female | 21 | 40.00 | 80.00 | 54.29 |
| Deer Hides | 22881 | 3.00 | 6.12 | 5.18 |
| Bear Hides | 39 | 5.00 | 40.00 | 30.28 |

Table 2. Average price per pelt paid to hunters and trappers in Minnesota, 2002-03 through 2012-13.

| Species | Average pelt prices paid hunters and trappers in Minnesota (dollars) | | | | | | | | | | |
|----------------------|--|---------|---------|---------|---------|---------|---------|---------|---------|---------|-----------|
| | 2002-03 | 2003-04 | 2004-05 | 2005-06 | 2006-07 | 2007-08 | 2008-09 | 2009-10 | 2010-11 | 2011-12 | 2012-2013 |
| Muskrat | 2.11 | 2.05 | 1.9 | 2.81 | 5.79 | 2.96 | 1.85 | 4.43 | 5.33 | 5.86 | 7.91 |
| Mink (female) | 6.52 | 7.23 | 10.22 | 10.23 | 13.18 | 9.05 | 7.45 | 8.02 | 9.33 | 11.54 | 17.53 |
| Mink (male) | 9.55 | 11.41 | 11.34 | 14.29 | 18.04 | 12.32 | 9.14 | 9.37 | 13.66 | 14.68 | 18.27 |
| S.T. Weasel | 2.63 | 2.53 | 2.52 | 2.6 | 3.58 | 3.18 | 3.57 | 3.02 | 1.50 | 2.10 | 2.51 |
| L.T. Weasel | 1.94 | 3.34 | 3.05 | 2.56 | 4.35 | 5 | 2.21 | 3.12 | 2.87 | 4.02 | 4.10 |
| Raccoon | 10.33 | 11.45 | 10.49 | 9.61 | 11.92 | 14.32 | 9.34 | 9.18 | 10.87 | 12.57 | 16.60 |
| Striped Skunk | 5.81 | 4.66 | 3.95 | 3.77 | 4.46 | 5.27 | 2.56 | 3.66 | 3.29 | 3.55 | 5.00 |
| Badger | 13.18 | 14.23 | 12.94 | 13.4 | 15.71 | 13.92 | 7.70 | 8.81 | 10.43 | 13.47 | 14.54 |
| Opossum | 1.22 | 1.23 | 1.51 | 1.4 | 1.52 | 1.76 | 1.21 | 1.30 | 2.64 | 5.80 | 1.52 |
| Red Fox | 22.08 | 20.02 | 17.28 | 16.96 | 17.68 | 14.69 | 11.79 | 10.85 | 13.35 | 22.87 | 33.52 |
| Gray Fox | 9.05 | 13.64 | 12.58 | 15 | 22.36 | 30.09 | 14.08 | 11.55 | 14.64 | 15.11 | 19.20 |
| Coyote | 16.12 | 18.37 | 15.24 | 13.57 | 17.76 | 13.51 | 7.12 | 8.62 | 9.47 | 17.99 | 22.04 |
| Bobcat | 71.54 | 95.9 | 98.99 | 95.74 | 101.07 | 93.41 | 74.74 | 42.77 | 71.44 | 98.18 | 144.79 |
| Beaver (fall-winter) | 10.05 | 12.57 | 13.62 | 14.48 | 18.35 | 14.6 | 14.63 | 12.49 | 11.95 | 14.29 | 18.47 |
| Beaver (spring) | 9.99 | 11.09 | 13.8 | 16.49 | 14.81 | 17.77 | 9.36 | 14.47 | 14.50 | 19.96 | 12.80 |
| Otter | 61.16 | 85.33 | 87.23 | 88.89 | 42.85 | 29.49 | 24.33 | 35.65 | 34.53 | 51.40 | 72.12 |
| Fisher (male) | 26.7 | 27.15 | 30.02 | 36.03 | 76.33 | 63.09 | 22.27 | 34.45 | 38.19 | 47.69 | 62.38 |
| Fisher (female) | 25.44 | 25.71 | 27.47 | 31.46 | 67.82 | 48.24 | 37.22 | 34.90 | 37.31 | 39.59 | 63.02 |
| Marten (male) | 28 | 30.09 | 30.65 | 37.47 | 74.04 | 58.72 | 30.61 | 26.76 | 39.80 | 42.32 | 56.57 |
| Marten (female) | 27.3 | 26.7 | 27.42 | 31.53 | 66.09 | 50.05 | 28.19 | 29.95 | 36.57 | 39.49 | 54.29 |
| Deer Hides | 3.48 | 5.41 | 3.95 | 4.14 | 4.51 | 3.92 | 3.53 | 4.44 | 4.41 | 3.95 | 5.18 |
| Bear Hides | 40.56 | 41.55 | 46.61 | 39.3 | 43.03 | 36.57 | 29.81 | 43.00 | 33.38 | 28.79 | 30.28 |

