# TRAPPING HARVEST STATISTICS 

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

## 2019 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. Beginning in 2017, we excluded license holders <18 years old at the time of the survey, which represents $\sim 3 \%$ of license sales. Information concerning registered harvest (fisher, marten, bobcat, and otter) is obtained from mandatory registration of these animals. Details regarding methods and results can be found in the Registered Furbearer Harvest report on the DNR website.

## METHODS

The sampling frame consisted of all individuals with active MNDNR trapping licenses (all types) except for youth <18 years old who were excluded from the survey, listed in the Electronic License System (ELS) database in late February 2020. There were 6,386 active trapping licenses in the ELS database, which consisted of 4,448 Resident Regular Trappers, 16 age eligible (of 166) Resident Junior Trappers, 1,176 Resident Senior Trappers, 567 "active" Lifetime Trappers, and 10 Nonresident (MN landowners) license holders. License type was reclassified as "adult" (regular, lifetime, and non-resident) or "youth" for analysis purposes.
The MNDNR Trapper Harvest Survey is a census but the response rate is $<100 \%$ (mean $=$ $68 \%$, range: $56-79 \%$ ). Thus, uncertainty in harvest estimates is strictly a function of nonresponse (missing data) 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, nonrespondents would be a random subset of licensed trappers). For consistency with previous analyses, the response data was treated as a random sample.
A postcard survey (Figure 1) was sent to all trapping license holders (>=18-yr old) 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. A single follow-up mailing was sent to non-respondents. 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. Duel key-entry and quality control checks were used to minimize transcription errors. Data were tabulated using Viking Data Entry VDE+ software, and then summarized using the $R$ programming language ( $R$ version 4.0 .0 (2020-0424); R Development Core Team 2018).

## RESULTS

We mailed out 6,218 surveys, 71 surveys were undeliverable and 3,431 were returned for an adjusted response rate of $55.8 \%$. Among respondents, $64 \%$ reported setting traps for at least one species (Table 1, Figure 2). Historic trapper estimates are presented in Table 2, Table 3, and Table 4.

## ACKNOWLEDGMENTS

This project was funded in part by the Wildlife Restoration Program. Special thanks to John Giudice for continued statistical support and critical review.

## Dear Trapper:

You are being asked as a trapping license buyer to assist us in evaluating the $2019-2020$ trapping season (March 2019-February 2020). For Spring Beaver, please report only animals taken between March 1. 2019 and May 15, 2019. 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 checked 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. A reminder will be sent to individuals not returning the questionnaire within three weeks. No envelope or stamp is necessary; just tear along the perforation and drop into a mailbox.

THANK YOU FOR YOUR COOPERATION
Lou Cornicelli, Wildlife Research Program Manager Division of Fish and Wildlife
Department of Natural Resources

חת inepartment of
500 Lefayette Road Box 20
St Paul MN 55155


## BUSINESS REPLY MAIL <br> FIRST-CLASS MAIL PERMI NO. 171 ST. PAUL, MN

POSTAGE WLL BE PAID BY ADDRESSEE


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

## M) $\begin{gathered}\text { department of } \\ \text { Matural hisourct }\end{gathered}$

900 Lsfayette Rosd Box 20
St Psul MN 55155
meturn senilce requested
-

## 2019 Trapper Report

1. Did you set traps / snares in Minnesota during the 2019-2020 trapping season?
$\square$ No Yes (Please check one)
2. Indicate your harvest, the number of days you trapped for each speclas, the average number of traps you checked PER DAY for each species, and the county In which you trapped most for each species. Report only animals YOU personally trapped In Mirnesota. Animals taken by hunting should NOT be reported here.


Figure 1. Trapper survey card 2019.


Figure 2. Trapper annual license sales and mail survey response, 1997-98 through 2019-20.

Table 1. Use of trapper licenses, 2008-09 through 2019-20.

| Year |  | Returns from mail survey | Projections from license sales |
| :---: | :---: | :---: | :---: |
| 2008-09 | Trapped Did not trap | $\begin{array}{r} 3,154(75.7 \%) \\ 1,012(24.3 \%) \\ 4,166(100.0 \%) \\ \hline \end{array}$ | $\begin{array}{r} 5,319 \\ 1,708 \\ 7,027^{a} \\ \hline \end{array}$ |
| 2009-10 | Trapped Did not trap | $\begin{array}{r} 3,202(72.7 \%) \\ 1,202(27.3 \%) \\ \hline 4,404(100.0 \%) \\ \hline \end{array}$ | $\begin{array}{r} 4,467 \\ 1,677 \\ 6,144^{a} \\ \hline \end{array}$ |
| 2010-11 | Trapped Did not trap | $\begin{array}{r} 3,546(73.2 \%) \\ 1,298(26.8 \%) \\ \hline 4,844(100.0 \%) \\ \hline \end{array}$ | $\begin{array}{r} 5,032 \\ 1,843 \\ 6,875^{a} \\ \hline \end{array}$ |
| 2011-12 | Trapped Did not trap | $\begin{array}{r} 4,498(81.5 \%) \\ 1,019(18.5 \%) \\ 5,517(100.0 \%) \end{array}$ | $\begin{array}{r} 6,748 \\ 1,532 \\ 8,280^{a} \end{array}$ |
| 2012-13 | Trapped Did not trap | $\begin{array}{r} 4,537(77.6 \%) \\ 1,307(22.4 \%) \\ 5,844(100.0 \%) \end{array}$ | $\begin{array}{r} 7,747 \\ \underline{2,236} \\ 9,983^{a} \end{array}$ |
| 2013-14 | Trapped Did not trap | $\begin{array}{r} 4,342(74.6 \%) \\ 1,480(25.4 \%) \\ 5,822(100.0 \%) \end{array}$ | $\begin{array}{r} 7,627 \\ \underline{2,597} \\ 10,224^{\text {a }} \end{array}$ |
| 2014-15 | Trapped Did not trap | $\begin{array}{r} 3,786(72.2 \%) \\ 1,459(27.8 \%) \\ 5,245(100.0 \%) \end{array}$ | $\begin{array}{r} 6,888 \\ \underline{2,652} \\ 9,540^{a} \end{array}$ |
| 2015-16 | Trapped Did not trap | $\begin{array}{r} 3,296(68.8 \%) \\ 1,496(31.2 \%) \\ 4,792(100.0 \%) \\ \hline \end{array}$ | $\begin{array}{r} 5,734 \\ 2,600 \\ 8,334^{a} \end{array}$ |
| 2016-17 | Trapped Did not trap | $\begin{array}{r} 2,558(63.7 \%) \\ 1,458(36.3 \%) \\ 4,016(100.0 \%) \\ \hline \end{array}$ | $\begin{array}{r} 4,487 \\ \underline{2,557} \\ 7,044^{\text {a }} \\ \hline \end{array}$ |
| 2017-18 | Trapped Did not trap | $\begin{array}{r} 2,654(67.6 \%) \\ 1,272(32.4 \%) \\ 3,926(100.0 \%) \\ \hline \end{array}$ | $\begin{array}{r} 4,692 \\ \underline{2,249} \\ 6,941^{a} \\ \hline \end{array}$ |
| 2018-19 | Trapped Did not trap | $\begin{aligned} & 2,382(64.8 \%) \\ & 1,292(35.2 \%) \\ & \hline 3,674(100 \%) \end{aligned}$ | $\begin{array}{r} 4,326 \\ 2,350 \\ 6,676^{a} \\ \hline \end{array}$ |
| 2019-20 | Trapped Did not trap | $\begin{aligned} & 2,182(63.6 \%) \\ & 1,249(36.4 \%) \\ & \hline 3,431(100 \%) \end{aligned}$ | $\begin{array}{r} 3,954 \\ \underline{2,263} \\ 6,217^{a} \\ \hline \end{array}$ |

[^0]Table 2. Estimated number of trappers of various furbearers, 2008-09 through 2019-20.

|  | Estimated number of trappers |  |  |  |  |  |  |  |  |  |  |  |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | $2008-09$ | $2009-10$ | $2010-11$ | $2011-12$ | $2012-13$ | $2013-14$ | $2014-15$ | $2015-16$ | $2016-17$ | $2017-18$ |

Note: Estimates prior to 2009 may differ from values published in previous reports because of rounding and more recent estimates were recomputed using a standardized historic dataset (vs. being carried forward from previous reports).

Table 3. Estimated take per trapper of various furbearers, 2008-09 through 2019-2020.

| Estimated take per successful trapper reporting that species |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 2008-09 | 2009-10 | 2010-11 | 2011-12 | 2012-13 | 2013-14 | 2014-15 | 2015-16 | 2016-17 | 2017-18 | 2018-19 | 2019-20 |
| Muskrat | 34 | 48 | 66 | 82 | 59 | 36 | 39 | 51 | 49 | 45 | 40 | 32 |
| Mink | 9 | 9 | 8 | 7 | 6 | 6 | 5 | 5 | 6 | 5 | 5 | 5 |
| Short-tailed weasel | 7 | 8 | 10 | 10 | 7 | 5 | 8 | 4 | 5 | 5 | 6 | 5 |
| Long-tailed weasel | 4 | 4 | 6 | 6 | 4 | 3 | 5 | 3 | 3 | 3 | 3 | 3 |
| Raccoon | 23 | 20 | 23 | 25 | 18 | 16 | 15 | 11 | 12 | 14 | 13 | 17 |
| Striped skunk | 7 | 7 | 8 | 7 | 7 | 6 | 6 | 6 | 7 | 6 | 5 | 6 |
| Badger | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| Opossum | 10 | 8 | 7 | 6 | 7 | 7 | 7 | 4 | 5 | 8 | 9 | 7 |
| Red fox | 3 | 3 | 4 | 4 | 4 | 3 | 4 | 3 | 3 | 4 | 4 | 4 |
| Gray fox | 3 | 3 | 2 | 3 | 3 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| Coyote | 4 | 5 | 5 | 6 | 5 | 5 | 5 | 6 | 5 | 7 | 8 | 7 |
| Beaver (Oct -Feb ) | 12 | 12 | 10 | 12 | 10 | 9 | 8 | 8 | 8 | 8 | 9 | 8 |
| Beaver (previous Spring) | 23 | 20 | 22 | 20 | 20 | 9 | 16 | 14 | 17 | 19 | 19 | 23 |

Note: Estimates may differ from values published in previous reports because of rounding and they were recomputed using a ratio of estimated totals (estimated harvest / estimated trappers), which were computed from the standardized, historic harvest dataset.

Table 4. Minnesota trapper license sales and estimated annual harvest, 2008-09 through 2019-2020a ${ }^{\text {a }}$

|  | 2008-09 | 2009-10 | 2010-11 | 2011-12 | 2012-13 | 2013-14 | 2014-15 | 2015-16 | 2016-17 | 2017-18 | 2018-19 | 2019-20 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Trapper license sales ${ }^{\text {b }}$ | 7,027 | 6,158 | 6,885 | 8,280 | 9,998 | 10,224 | 9,540 | 8,334 | 7,044 | 7,163 | 6,815 | 6,386 |


| Muskrat | 80,158 | 98,524 | 180,480 | 352,030 | 242,120 | 120,500 | 111,998 | 112,219 | 87,958 | 83,844 | 63,021 |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 38,777 |  |  |  |  |  |  |  |  |  |  |  |
| Mink | 16,647 | 13,207 | 13,837 | 15,770 | 18,460 | 14,710 | 10,211 | 7,745 | 5,439 | 5,218 | 4,412 |
| 3,483 |  |  |  |  |  |  |  |  |  |  |  |
| Short-tailed weasel | 3,515 | 3,128 | 4,939 | 7,300 | 4,500 | 2,360 | 4,806 | 1,083 | 930 | 1,305 | 995 |
| Long-tailed weasel | 1,118 | 838 | 1,728 | 3,020 | 2,030 | 1,410 | 2,568 | 734 | 466 | 554 | 340 |
| Raccoon | 71,893 | 45,118 | 57,189 | 98,240 | 79,800 | 70,380 | 58,868 | 29,963 | 22,874 | 28,899 | 24,845 |
| Striped skunk | 10,355 | 6,194 | 7,979 | 12,250 | 12,620 | 9,430 | 7,956 | 6,349 | 5,458 | 4,476 | 3,961 |
| Badger | 424 | 316 | 337 | 490 | 570 | 600 | 347 | 376 | 286 | 278 | 221 |
| Opossum | 11,297 | 4,963 | 4,194 | 4,400 | 6,780 | 6,720 | 3,524 | 1,814 | 2,124 | 6,160 | 5,248 |
| Red fox | 3,501 | 2,984 | 3,303 | 7,250 | 7,540 | 5,710 | 6,040 | 4,061 | 2,707 | 4,500 | 3,530 |
| Gray fox | 1,321 | 1,084 | 1,093 | 2,100 | 2,550 | 1,940 | 1,902 | 1,161 | 715 | 736 | 611 |
| Coyote | 4,533 | 3,797 | 4,264 | 8,780 | 11,130 | 9,010 | 11,703 | 10,084 | 7,308 | 12,303 | 11,359 |
| Beaver (Oct- Feb ) | 21,076 | 18,178 | 17,114 | 26,620 | 24,590 | 23,220 | 15,671 | 14,181 | 13,070 | 11,223 | 12,937 |
| Beaver (previous Spring) | 27,816 | 25,008 | 29,148 | 29,500 | 34,600 | 10,110 | 20,820 | 15,966 | 19,004 | 22,293 | 18,649 |
| Regis | 26,368 |  |  |  |  |  |  |  |  |  |  |

## Registered harvest ${ }^{\text {d }}$

| Otter | 1,938 | 1,544 | 1,814 | 2,294 | 3,171 | 2,824 | 2,148 | 1,955 | 1195 | 1,295 | 1,351 | 1,050 |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Lynx $^{\mathrm{e}}$ | Closed | Closed | Closed | Closed | Closed | Closed | Closed | Closed | Closed | Closed | Closed | Closed |
| Bobcat ${ }^{9}$ | 853 | 884 | 1,012 | 1,711 | 1,875 | 1,038 | 1,380 | 766 | 485 | 731 | 1,015 | 695 |
| Fisher | 1,712 | 1,259 | 903 | 1,473 | 1,293 | 1,146 | 919 | 756 | 399 | 477 | 510 | 463 |
| Marten | 1,823 | 2,073 | 1,842 | 2,525 | 1,472 | 1,014 | 1,055 | 877 | 551 | 979 | 665 | 585 |

${ }^{a}$ Includes data for all seasons from October through April of years indicated.
${ }^{\mathrm{b}}$ 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, 20206,386 trapping licenses were sold in 2019: 166 ( $2.6 \%$ ) were junior licenses, 4,451 ( $69.7 \%$ ) were regular adult licenses, 1,177 (18.4\%) were senior licenses, 582 ( $9.1 \%$ ) were Lifetime licenses, and 10 ( $<1 \%$ ) were Nonresident (MN Landowner) licenses. Duplicate licenses excluded.
${ }^{c}$ Based upon trappers' responses to mail surveys. ${ }^{d}$ Raccoon and red fox season continuous May 1994 thru March $15,2006$.
${ }^{e}$ Lynx (1984) and Eastern spotted skunk (1996) listed as Special Concern and threatened species (respectively) and are fully protected.
f. Registered harvest information as reported from annual, mandatory registration. ${ }^{g}$ Registered harvest for bobcat includes animals taken by hunting.

# Minnesota Fur Buyers Survey for the 2019-2020 Hunting and Trapping Season 

Jason Abraham, Season Setting/Furbearer Specialist<br>Margaret Dexter, 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 September 2020, questionnaires were mailed to licensed fur buyers in Minnesota. The survey asked them to report the number and type of fur purchased from Minnesota trappers and hunters and the "average price" paid to those hunters and trappers based on all furs purchased. A total of 18 usable surveys were received, for a return rate of 71 percent.

Calculations of average pelt price for each species were weighted according to the number of pelts purchased by each buyer. Total estimated value of the furbearer harvest to trappers and hunters in 2019-20 was \$953,951.88.

Table 1. Minnesota fur prices as reported by licensed fur dealers, 2019-20.

| Species | Number Pelts | Minimum Price | Maximum Price | Weighted Mean |
| :--- | ---: | ---: | ---: | ---: |
| Muskrat | 18405 | 1.25 | 3.50 | 2.84 |
| Mink Female | 789 | 1.00 | 7.00 | 3.07 |
| Mink male | 843 | 1.03 | 10.00 | 3.46 |
| Raccoon | 15133 | 1.25 | 9.60 | 6.66 |
| Red Fox | 671 | 5.00 | 27.00 | 9.95 |
| Gray Fox | 77 | 7.50 | 18.00 | 12.70 |
| Coyote | 14451 | 12.00 | 45.00 | 38.71 |
| Bobcat | 116 | 35.17 | 97.50 | 61.97 |
| River Otter | 323 | 10.00 | 27.50 | 20.64 |
| Beaver 10-12 | 5889 | 3.00 | 15.17 | 7.66 |
| Beaver 3-4 | 8604 | 4.00 | 13.03 | 7.86 |
| L.T. Weasel | 0 | 0.00 | 0.00 | 0.00 |
| S.T. Weasel | 264 | 0.94 | 5.00 | 2.08 |
| Striped Skunk | 329 | 2.00 | 8.16 | 6.30 |
| Badger | 78 | 2.00 | 18.00 | 8.14 |
| Opossum | 53 | 0.50 | 2.00 | 0.83 |
| Fisher Male | 71 | 18.67 | 35.00 | 21.02 |
| Fisher Female | 75 | 18.67 | 40.00 | 19.84 |
| Marten Male | 67 | 20.00 | 40.00 | 27.35 |
| Marten Female | 58 | 20.00 | 40.00 | 23.75 |
| Deer Hides | 3334 | 1.00 | 4.20 | 2.91 |
| Bear Hides | 58 | 22.50 | 48.00 | 32.72 |

Table 2. Average price per pelt paid to hunters and trappers in Minnesota, 2009-10 through 2019-20

|  | Average pelt prices paid hunters and trappers in Minnesota (dollars) |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Species | 2009-10 | 2010-11 | 2011-12 | 2012-13 | 2013-14 | 2014-15 | 2015-16 | 2016-17 | 2017-18 | 2018-19 | 2019-20 |
| Muskrat | 4.43 | 5.33 | 5.86 | 7.91 | 8.72 | 4.85 | 2.28 | 2.65 | 2.59 | 2.38 | 2.84 |
| Mink (female) | 8.02 | 9.33 | 11.54 | 17.53 | 13.72 | 7.45 | 4.99 | 6.20 | 5.80 | 6.02 | 3.07 |
| Mink (male) | 9.37 | 13.66 | 14.68 | 18.27 | 18.11 | 10.50 | 6.18 | 7.47 | 7.29 | 7.61 | 3.46 |
| Raccoon | 9.18 | 10.87 | 12.57 | 16.60 | 16.58 | 8.64 | 5.11 | 4.92 | 5.76 | 7.30 | 6.66 |
| Red Fox | 10.85 | 13.35 | 22.87 | 33.52 | 30.90 | 20.41 | 11.86 | 10.52 | 13.30 | 10.93 | 9.95 |
| Gray Fox | 11.55 | 14.64 | 15.11 | 19.20 | 21.27 | 14.17 | 10.64 | 10.33 | 11.32 | 13.42 | 12.70 |
| Coyote | 8.62 | 9.47 | 17.99 | 22.04 | 21.30 | 25.10 | 21.48 | 17.39 | 25.15 | 36.20 | 38.71 |
| Bobcat | 42.77 | 71.44 | 98.18 | 144.79 | 88.63 | 66.67 | 57.46 | 35.88 | 63.52 | 60.33 | 61.97 |
| Otter | 35.65 | 34.53 | 51.40 | 72.12 | 61.32 | 34.57 | 30.03 | 21.05 | 21.98 | 25.07 | 20.64 |
| Beaver (fall-winter) | 12.49 | 11.95 | 14.29 | 18.47 | 16.52 | 12.40 | 8.77 | 8.14 | 8.32 | 8.30 | 7.66 |
| Beaver (spring) | 14.47 | 14.50 | 19.96 | 12.80 | 14.77 | 10.69 | 8.24 | 7.33 | 10.39 | 8.95 | 7.86 |
| L.T. Weasel | 3.12 | 2.87 | 4.02 | 4.10 | 2.35 | 1.78 | 1.46 | 1.41 | 0.00 | 0.00 | 0.00 |
| S.T. Weasel | 3.02 | 1.50 | 2.10 | 2.51 | 0.00 | 2.00 | 1.41 | 0.00 | 2.79 | 2.45 | 2.08 |
| Striped Skunk | 3.66 | 3.29 | 3.55 | 5.00 | 4.14 | 3.86 | 3.65 | 4.00 | 7.12 | 5.25 | 6.30 |
| Badger | 8.81 | 10.43 | 13.47 | 14.54 | 13.72 | 9.52 | 9.57 | 7.86 | 9.09 | 7.94 | 8.14 |
| Opossum | 1.30 | 2.64 | 5.80 | 1.52 | 1.52 | 1.17 | 1.98 | 1.32 | 1.34 | 0.96 | 0.83 |
| Fisher (male) | 34.45 | 38.19 | 47.69 | 62.38 | 61.32 | 41.76 | 34.88 | 28.00 | 29.87 | 43.03 | 21.02 |
| Fisher (female) | 34.90 | 37.31 | 39.59 | 63.02 | 67.73 | 50.87 | 34.39 | 37.07 | 36.75 | 39.57 | 19.84 |
| Marten (male) | 26.76 | 39.80 | 42.32 | 56.57 | 74.10 | 38.92 | 30.83 | 29.94 | 36.90 | 41.81 | 27.35 |
| Marten (female) | 29.95 | 36.57 | 39.49 | 54.29 | 70.94 | 32.20 | 28.89 | 30.41 | 33.96 | 33.06 | 23.75 |
| Deer Hides | 4.44 | 4.41 | 3.95 | 5.18 | 6.09 | 5.59 | 5.62 | 4.00 | 4.14 | 3.18 | 2.91 |
| Bear Hides | 43.00 | 33.38 | 28.79 | 30.28 | 42.63 | 32.94 | 46.03 | 32.97 | 25.91 | 32.33 | 32.72 |


[^0]:    ${ }^{\text {a }}$ excludes duplicates.

