THE UNIVERSITY OF MANITOBA

Population Fluctuations in Mink (Mustela vison),

with Comparisons to Muskrat (Ondatra zibethicus) and Ermine (Mustela erminea), in southeastern Manitoba and northwestern Ontario.

by

Richard Ryan Puttenham

A THESIS

SUBMITTED TO THE FACULTY OF GRADUATE STUDIES IN PARTIAL FULFILMENT OF THE REQUIREMENTS FOR THE DEGREE OF MASTER OF SCIENCE

Department of Zoology

Winnipeg, Manitoba

September, 1997



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THE UNIVERSITY OF MANITOBA

FACULTY OF GRADUATE STUDIES

POPULATION FLUCTUATIONS IN MINK (Mustela vison), WITH COMPARISONS TO MUSERAT (Ondatra zibethicus) AND ERMINE (Mustela erminea), IN SOUTHEASTERN MANITOBA AND WORTHWESTERN ONTARIO

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RICHARD RYAN PUTTENHAM

A Thesis/Practicum submitted to the Faculty of Graduate Studies of The University

of Manitoba in partial fulfillment of the requirements of the degree

of

MASTER OF SCIENCE

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ABSTRACT

Manitoba Department of Natural Resources fur harvest records were examined to determine if the provincial populations of mink (*Mustela vison*), muskrat (*Ondatra zibethicus*), and ermine (*Mustela erminea*) exhibit any periodicity. The above fur return data were analyzed using an autocorrelation formula. This analysis provided evidence that the provincial mink population exhibits an 8-year cycle. However, the provincial muskrat and ermine populations do not express any discernable trends.

The same fur return data were used to determine if there is any association in population cycles among the three fur-bearer species. The correlation coefficients calculated for this interspecific analysis indicate a two year lag in population cycles between mink and muskrat. There was no evidence of a lag in population cycles between mink and ermine, and muskrat and ermine.

The provincial fur-return data were compared to the price per pelt to determine if there is any association between the number of animals caught per year and the price per pelt offered by the fur buyers. The provincial mink population showed a slightly cyclic negative trend in association between the number of animals caught and the price per pelt. The muskrat and ermine populations showed a negative linear trend over eight years of lagged analysis.

To examine if portions of the province express similar cyclicity in population trends, the fur harvest records of eight Manitoba Registered Trapline (RTL) sections plus two Northwestern Ontario RTL regions were examined in the above manner. The two Northwestern Ontario RTL regions were divided into five sections for further comparison. There is evidence of 4-, 8-, 9-, and 10- year population cycles for mink in all but three sections. Similar results were found for muskrat, which exhibited 4-, 6-, and 9- to 10-year cycles for 7 of 13 sections examined. There was also evidence of population cycles of various lengths for ermine in 7 of 13 sections.

As with the provincial fur harvest records, the Manitoba sectional fur return data were examined to determine if there is any evidence of association in population cycles among the three species. There is evidence of two and four year lags in population cycles between mink and muskrat for 5 of 8 sections. There was evidence for cycles of association between mink and ermine, and muskrat and ermine in all sections. The cycles of association were of various lengths.

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ACKNOWLEDGEMENTS

Dr. W.O. Pruitt, my advisor and mentor. Dr. Pruitt instilled a sense of awe and wonder regarding the mammals of the taiga region and was a library of knowledge and observations. He made available the University of Manitoba's Taiga Biological Station, at which I conducted the first part of my research. To him I am truly indebted.

Bill Conley, trapper, prospector and true son of the north woods. Bill taught me the ways of the bush: to read the signs and follow the spoor. His hospitality and love of history helped pass the long, cold winter nights.

My lovely wife Diane, whose support and understanding during my stay at the Taiga Biological Station made this thesis possible. To her I dedicate this study.

I thank the staff of the Manitoba Department of Natural Resources, especially Barry Verbiwski, Ed Engen (Retired), and Dick Stardom, who gave freely of their time and attention, and answered many questions. I also wish to thank the staff of the Ontario Ministry of Natural Resources, namely Christy MacDonald (Kenora District) and Terrence Kakegamic (Red Lake District).

I owe a debt of gratitude to all of the Department of Natural Resources Officers who answered my many questions. Their first-hand, "in-the-field", knowledge helped in defining the scope of this project.

Statistical advice was provided by Ms. Llewelyn Armstrong, of the University of Manitoba Statistical Advisory Board.

The Department of Zoology secretaries, Urmilla Deonauth and Madeleine Harris cheerfully assisted me with many forms and computer assistance.

I am grateful for the financial support provided by the Taiga Biological Station Research Trust; St. James Legion Game and Fish Association; and the Manitoba Museum of Man and Nature for employment during the later years of this study.

I also wish to thank Drs. Karen Johnson, Brian McKillop, Bill Preston, and Graham Young of the Manitoba Museum of Man and Nature for their support and criticism.

Finally, I wish to thank the members of my advisory committee for there guidance and constructive criticism throughout the course of this study. The committee consisted of Drs. D. Punter, R. Riewe and K. Stewart.

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INTRODUCTION

The mink (Mustela vison), is one of the most widespread of the North American mustelids. With a few exceptions, it inhabits all of Canada south of the treeline, and occur in all of the United States except the arid regions of the southwest (Eagle & Whitman 1987, Linscombe et al. 1982). The North American mink has also been introduced into many countries in Europe (Brzezinski & Zurowski 1992, Day & Linn 1972, Erlinge 1969, 1972, Gerell 1967, 1968, 1969, & 1970, Smal 1991, Wildhagen 1956). The mink is a weasel that has become adapted for an aquatic existence. Its morphology represents an intermediate between a weasel, genus *Mustela*, which is terrestrial, and the otter, genus *Lutra*, which is even more highly specialized for an aquatic existence (Peterson 1966). This intermediate position allows the mink to feed on a variety of prey items such as: mammals, fish, birds, amphibians, crustaceans, insects and reptiles. Several authors have studied the food habits of mink (Akande 1972, Birks & Dunstone 1985, Breault & Cheng 1988, Casson & Klimstra 1983, Chanin & Linn 1980, Dunstone & Birks 1987, Gilbert & Nancekivell 1982, Hamilton 1936, 1940, Korschgen 1958, Sealander 1943,) with the general conclusion that mink are opportunistic feeders, and that their food habits vary with the habitat due to differences (abundance and availability) in the potential prey present (Gerell 1968).

Much research has been conducted on mink (see Shump *et al.* 1976), with most of the effort being directed towards the various aspects of fur farming (Eagle & Whitman 1987). The remaining research has been primarily conducted on the large prairie marshes and wetlands of north central United States and Canada (Arnold & Fritzell 1987, 1990, Cowen & Reilly 1973, Eberhardt 1973, Errington 1943, 1954a, Mitchell 1961, Proulx *et al.* 1987, Sargeant *et al.* 1973, Wilson 1954). There have been very few studies based on mink in the boreal forest. The primary purpose of this study is to examine the population fluctuations of mink, with comparisons to muskrat (*Ondatra zibethicus*), a prey item of the mink, and ermine (*Mustela erminea*), a predator competing for similar prey species, in the boreal forest of southeastern Manitoba and northwestern Ontario, Canada.

Several authors have described many northern boreal forest fur-bearer populations as cyclic in nature, with many species exhibiting the classical "10 Year Cycle" (Butler 1953, Elton & Nicholson 1942, Errington 1954a & 1954b, Finerty 1980, Hickey 1954, Keith 1963, Lack 1954, Rowan 1950, 1954, Siivonen 1948, 1954). Many of these same authors agree that cycles of species may be interrelated with the cycle of one species/animal affecting the cycle of another. Finerty (1980) and Keith (1963), conclude that mink and muskrat are cyclic, with the muskrat population cycle regulating or affecting the mink "10 Year Cycle." The null hypotheses for this portion of my analysis are: H_0 1 the Provincial populations of a) mink, b) muskrat, and c) ermine do not exhibit any cyclicity or periodicity; H_0 2 the Provincial populations of mink, muskrat, and ermine do not exhibit any interspecific cyclic association between: a) mink versus muskrat, b) mink versus ermine and c) muskrat versus ermine .

Since the mink is both a terrestrial and aquatic hunter, it is logical to assume that there will be competition with the weasels, for common prey species. The weasels have evolved an elongated body shape that permits them to enter burrows and other confined spaces in search of prey and thus hunt for prey more efficiently than mink, which are restricted due to their larger size (Brown & Lasiewski 1972). This question of any evidence of predator competition will be determined by my second null hypothesis, H_o2 .

Mink and muskrat are considered two of the most valuable fur animals in North America

(Perry 1982, Linscombe *et al.* 1982). Muskrat lead all other wild fur-bearers in number caught and overall pelt value. Ermines, on the other hand, are not considered a very valuable fur, and historically represent a very small percentage of the total fur market (Fagerstone 1987, Svendsen 1982). The fur market is price driven, and therefore the number of animals taken may be dependent on the price per pelt offered by the fur buyers. The null hypothesis for this portion of my analysis is: H_03 There is no association between the number of a) mink, b) muskrat, and c) ermine caught and the price per pelt offered.

For this analysis, I have used the fur-return data, collected by natural resource officers, from eight Manitoba Registered Trapline sections, seven from the Eastern RTL District; Berens River, Bloodvein, Hole River, Lac Du Bonnet, Little Grand Rapids, Pauingassi, and Whiteshell, and one from the Western RTL District, Duck Mountain, to act as a control for comparison (Figure 1). As a further comparison, I have also included the fur-returns for selected traplines in two northwestern Ontario sections, Red Lake and Kenora. As with the provincial fur-return data, the localized sectional fur-return data will be examined for possible cycles in mink, muskrat, and ermine populations, and any possible cycles in association among the three species. The null hypotheses for this portion of my analysis are: H_04 the localized or sectional populations of a) mink, b) muskrat, and c) ermine do not exhibit any cyclicity or periodicity; H_05 the localized or sectional populations of mink, muskrat, and ermine muskrat, and ermine populations of mink, muskrat, and ermine do not exhibit any interspecific cyclic association between: a) mink versus muskrat, b) mink versus ermine and c) muskrat versus ermine .

The Registered Trapline (RTL) system was designed in the 1940's to eliminate destructive competition between trappers, which was the main reason for the decline in fur-bearer populations in the 1930s and 1940s (Johnson 1989). Each RTL section is differentiated based

Figure 1. Location of study area in Manitoba showing Registered Trapline sections used.

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on natural and manmade physical features, such as lakes, rivers, and roads, as borders and is composed of a number of Registered Traplines, "owned" or managed by individual trappers or native tribe/bands. In turn, the trappers must practice sound fur conservation and management, and submit annual reports on the trend of wildlife in their area. These annual reports are compiled and form the basis for future management plans (Johnson 1989). The fur-returns used in this analysis are from the annual sectional reports, itemizing the number of animals caught for each year.

Study Area

The RTL sections used exhibit many of the various forest classes within the Boreal Forest Region (Rowe 1972). This coniferous region, which comprises the greater part of the forested region in Canada, is characterised by white and black spruce (*Picea glauca* (Moench) Voss; and *Picea mariana* (Mill.) BSP.; respectively), tamarack (*Larix laricina* (Du Roi) K. Koch), jack pine (*Pinus banksiana* Lamb.), and balsam fir (*Abies balsamea* (L.) Mill.). There is also a general admixture of broadleaved trees such as paper birch (*Betula papyrifera* Marsh.), trembling aspen (*Populus tremuloides* Michx.), and balsam poplar (*Populus balsamifera* L.). Within this vast region are a number of different forest zones, each with its own unique characteristics. The seven eastern Manitoba and the two Ontario RTL sections comprise five different forest types.

The most prevalent forest type is the Northern Coniferous zone which is around the southwestern part of the Precambrian Shield. This zone is within an area where glaciation was intense and the resulting relief is irregular, rocky parallel ridges separating poorly drained depressions and innumerable narrow lakes. Black spruce is the predominant tree that

can be found with jack pine on the uplands and with tamarack on the poorly drained lowlands. The climate is favourable for moderate tree growth. Frequent fires, which are an integral feature of this forest type, have helped in the spread of jackpine and birch throughout this area (Rowe 1972). This forest type is characteristic of areas within Berens River, Bloodvein, Hole River, Lac Du Bonnet, Little Grand Rapids, Pauingassi, and Red Lake RTL Sections.

In contrast to the irregular ridges of the Northern Coniferous zone is the relatively flat area of the Nelson River. This area is in a strip along the eastern shore of Lake Winnipeg, and extends north and northeastward. The Nelson River area was covered by glacial Lake Agassiz, and the deposition of clays and sands have levelled the irregularities caused by glaciation. Black spruce is the dominant tree, but proximity to the numerous and extensive bogs has restricted its growth. Stands of birch, trembling aspen, poplar, and balsam fir can be found in areas with better drainage. As with the Northern Coniferous zone, fires also play an integral part in the fragmentation and dispersal of the various tree species (Rowe 1972). This forest type can be found in: Berens River, Bloodvein, Hole River and a small portion of Little Grand Rapids.

The next forest type to be examined is the Manitoba Lowlands which extends from the eastern shore of Lake Winnipeg to an area northwest of the lake. This forest type consists of black spruce and tamarack on flat, poorly drained lands, with intervening bogs and meadows. Stands of white spruce, aspen, poplar, birch and balsam fir occur on the drier alluvial strips bordering rivers and streams. Ridges of sand and gravel mark the ancient shoreline of Lake Agassiz, with low, narrow, parallel rises with swampy depressions between, reflecting the topography of the ancient lake bottom (Rowe 1972). Areas of this forest type can be found

in: Berens River, Bloodvein, Hole River, and Lac Du Bonnet.

South of the Northern Coniferous zone is the Lower English River forest type, which is covered by stands of aspen, poplar, and white spruce on well-drained sites. Black spruce and tamarack can be found in shallow bogs. As with the Nelson River zone, post-glaciation deposition of clay materials has resulted in this section having a relatively low relief, relieved by occasional morainic ridges and fluvial terraces (Rowe 1972). This is the dominant forest type in: Lac Du Bonnet, and areas of Hole River, Whiteshell, Red Lake and Kenora.

Quetico represents the southernmost forest type included within the scope of this analysis. The soil and climate of this area favoured the development of pine communities, interspersed with mixed stands of aspen, birch, balsam fir, white and black spruce. The underlying granites, sediments and volcanic rocks of the Precambrian Shield have been heavily glaciated with the resulting irregular terrain being dotted with vast numbers of rock-rimmed lakes of various sizes (Rowe 1972). This forest type is found in the Whiteshell and Kenora sections.

For comparison, I used the Duck Mountain RTL Section, which is in the western region of Manitoba. This section also lies within the Boreal Forest Region, but unlike the eastern sections, it is characterized by the Mixedwood forest type. This area is dominated by a mixture of aspen, poplar, birch, white spruce and balsam fir, covering well-drained uplands. There are also a few bogs where black spruce and tamarack can be found. Glaciation of this area has resulted in rolling morainic deposits on the uplands with glacio-lacustrine deposits on the lowlands (Rowe 1972).

METHODS

I had originally intended to conduct a radiotelemetry and tracking study of mink at the University of Manitoba's Taiga Biological Station located in the Atikaki Provincial Wilderness Park (51° 05' N, 95° 20' W) from September of 1993 to May 1995. During my first winter season, I was able to locate and follow seven mink, based on fresh tracks in the snow, within the area surrounding the research station. I obtained clearance from the University of Manitoba's Council on Animal Care to proceed with live-capture and tracking of radio-collared mink, in spring of 1994. After discussion with my advisor, Dr. W.O. Pruitt, it was decided to commence live trapping in the late summer and early fall of 1994. With the assistance and guidance of the local trapper, B. Conley, twenty-two national live traps of different sizes were placed in various riparian locations. No mink were caught after approximately 1650 trap nights. No sign or tracks of mink were found during the late fall and winter seasons of 1994/95. Only one mink track was found in early April of 1995. After many discussions with local trappers, it appeared that the population of mink had decreased significantly in the surrounding area. I returned to the University of Manitoba campus in May 1995, where it was decided amongst myself and my advisory committee to investigate the causes for the apparent decline in the mink population. I approached the Manitoba Department of Natural Resources in order to examine the fur return records for southeastern Manitoba to determine if there was any historical trend or periodicity in the mink population. I also examined the fur return records of muskrat and ermine to determine if there were any possible associations amongst the three species.

Manitoba Provincial Analysis

The provincial totals of mink, muskrat, and ermine caught per year (Appendix 1, Figures 2, 3, & 4), were transcribed from a Manitoba Department of Natural Resources publication, the "Manitoba Fur Fact Book" (Johnson 1989), which is a collection of the most recent fur sales statistics, fur industry facts and fur management guidelines for the province. These totals were then graphed to give a visual representation and the numbers were used in a correlation analysis to decide whether there is any trend or cyclicity.

To test a time series for periodicity, the fur-return data were analyzed using the following autocorrelation formula:

$$r = \frac{\sum xy}{\sqrt{\sum x^2 \sum y^2}}$$

Where x = variable #1
y = variable #2

The correlation coefficient, r, is unitless and ranges from -1 < r < 1. A positive coefficient, r > 0, implies that with an increase in one variable, x, there is an increase in the second variable, y. A negative coefficient, r < 0, indicates an increase in one variable, x, and a decrease in the second variable, y. The correlation coefficient is not a measure of quantitative change of one variable with respect to the other, but it is a measure of intensity of association between the two variables (Zar 1974).

For this analysis, the number of animals caught in a particular year (year t) was correlated to the number of animals caught in the next year (year t+1) and subsequent years (t+2, t+3, \dots t+10). The coefficients calculated showed the level or intensity of association between the various years. If a series (fur-return data) is periodic, a large positive correlation will be observed when the maxima of the series (at time t) correspond to the maxima (at time t+n). A large negative correlation will be observed when the maxima (at time t) correspond to the minima (at time t+n). If the series is periodic, the autocorrelation function will oscillate at regular intervals. Conversely, if the series is not periodic, the autocorrelation function will not oscillate and the results will be linear or random in nature (Finerty 1980).

The coefficients calculated by this formula are insensitive to proportional differences between the two populations being sampled. That is, the correlation formula can compare populations of different sizes: Population "A" is twice the size of Population "B." However, the coefficients are strongly affected by sample size. That is, if more than half of the variables being compared are equal to zero, then the correlation coefficients should not be used (see Krebs 1989).

Bulmer (1974) proposed the use of a periodogram for analyzing fur-return data. This method can be regarded as the decomposition of the variance into components due to different frequencies. In short, the number of peaks observed in the data is divided by the total number of years that the data encompasses. The components are examined using an analysis of variance test, with the resulting intensity (sum of squares) determining what the frequency is for the fur-return data. However, for this analysis to work one must decide which peaks to include and which peaks to exclude. Within all fur-return data, there will be minor fluctuations resulting in minor peaks embedded within the overall population periodicity. If one ignores or discounts the minor peaks, the data become smoothed, resulting in the loss of minor fluctuations that may hold insights into what is happening to the populations as a whole. There is also the problem of determining what is a major peak and what is a minor peak. Cole (1951) attempted objectively to define a peak by considering the data series as individual random fluctuations rather than a whole time series. Cole defined a peak as an entry in which the preceding and succeeding entries are both lower in value. However, with Cole's approach the researcher is still left with the task of determining which peaks to include and which to exclude. The above noted autocorrelation avoids this problem by comparing all the peaks, both major and minor, treating the time series as a whole rather than as individual fluctuations.

This autocorrelation formula was used to examine the relationships and possible periodicity within the provincal mink, muskrat and ermine populations (Appendix 1, Table 1, Figures 5, 6, & 7). The autocorrelation formula was also used to test for any association among the three fur-bearer species (Appendix 1, Table 2, Figures 8, 9, & 10). In this later analysis, the population of one species in a particular year (year t) is compared to the population of a second species in the same year (year t) and subsequent years (year $t+1 \dots$ year t+10). The resulting correlation coefficients show the level of association between the two species.

Price per Pelt Analysis

The average auction price per pelt for the given fur year (Appendix 2, Figures 11, 12, & 13) was also transcribed from the "Manitoba Fur Fact Book" (Johnson 1989). There is the possibility that the price per pelt offered by the fur buyers will have an effect on the total number of animals taken. To examine this possibility, the provincial fur harvest numbers were correlated to the price per pelt offered in the same year (year t) and the subsequent eight years $(t+1, \ldots, t+8)$. The resulting correlation coefficients show the intensity of association between price offered and the total number of animals caught (Appendix 2, Table 3, Figures 14, 15, & 16). The prices per pelt offered are in original dollars. That is, the monetary values have not been converted to 1994 dollar-equivalents (B. Verbiwski, *pers. comm*).

Manitoba Sectional Analysis

Detailed Manitoba Department of Natural Resources fur trapping records were consulted for eight Registered Trapline (RTL) sections from ~1960 to 1994. Fur returns were recorded for seven RTL sections from the Eastern RTL District, located in the southeastern portion of Manitoba. These RTL sections are listed here from south to north, along with their approximate sizes in km²: Whiteshell -3,070, Lac du Bonnet - 5,810, Hole River - 3,695, Bloodvein - 3,931, Little Grand Rapids - 4,698, Berens River - 5,180, & Pauingassi - 3,183 (Based on 1980 Manitoba Department of Natural Resource map - Johnson 1989). Also included in this analysis is the Duck Mountain RTL section in the Western RTL District, which encompasses 3,688 km². This western section was included to act as a comparison or a control with regards to the eastern sections (Figure 1). The sectional fur return numbers were transcribed from Manitoba Department of Natural Resources annual fur production records. However, in most of the sections being examined, there were some missing years. This is probably due to files/reports being removed from the sectional folders to calculate the regional annual reports, but never returned. For the purposes of this analysis, the RTL number, the number of trappers per line, the total number of mink, muskrat, and ermine caught per year were recorded. Since each registered trapline is "owned" by an individual, only the RTL number is recorded to protect the trapper's identity. These harvest numbers were then entered onto a spreadsheet (Microsoft Excel 5.0) and the total number of trappers, mink, muskrats and ermine were then calculated per year (See Appendix 3).

These returns (Table 4) were graphed to show the trends among the three species of fur-bearers (Figures 17 - 24). In most sections, the total number of muskrats caught far exceeded the total numbers of mink and ermine, so that minute trends in the mink and ermine lines were obscured. Therefore, the total harvest numbers for each section were transformed to the common logarithm, Log10 (Table 5). These common logarithms were then graphed allowing minute or micro-trends to appear visually (Figures 25 - 32). However, in many instances the total number of animals caught equaled zero, which does not have a corresponding logarithm. Also, the spreadsheet program being used does not graph logarithms equal to zero. Therefore, to calculate the logarithms of the fur returns, a value of +2 was added to all returns (L.Armstrong, *pers. comm*). This addition allows the logarithmic trends to be graphed. However, one must keep in mind that these graphed values have been adjusted and are only meant to show representative trends in the data.

Manitoba Sectional Intraspecific Analysis

In order to determine if the mink, muskrat and ermine populations for each section were periodic in nature, the fur harvest data were subjected to the above autocorrelation analysis (Appendix 4). The results were graphed to show any possible trends within each species (Table 6, Figures 33, 34 & 35).

Manitoba Sectional Interspecific Analysis

To show if there was any association among the three fur-bearers, the sectional fur-return data were analyzed in the same manner as above (see Manitoba Provincial Analysis), where the harvest data of one species were compared to the harvest data of another in the same year and subsequent years (Appendix 4). The results were graphed to show any possible trend between each species (Table 7, Figures 36, 37 & 38).

Northwestern Ontario Analysis

Fur-returns for traplines within two Northwestern Ontario RTL Regions were transcribed from Ontario Ministry of Natural Resources records (Appendix 5, Table 8) and graphed (Figures 40 & 41). The traplines are located between 94°00'W Longitude and the Manitoba/Ontario border (95°10'W) (Figure 39).

The fur-returns for Ontario regions are based on "sealed" skins, which represent pelts that have been marked/stamped by a Resource Officer, prior to sale. In the Kenora Region, muskrat pelts do not require sealing, and therefore there are no records of muskrat harvest after the 1971/72 trapping season (C. MacDonald, *pers. comm*). Red Lake Region, on the other hand, has continued to record fur-returns for muskrats. As far as I can discern from the fur-return data, the date of the Ontario fur-returns corresponds to the fur-returns for Manitoba. That is, the Ontario fur-returns for 1990/91 represent the animals caught in the same year as the Manitoba fur-returns for 1990/91.

As with the Manitoba sections, the extreme difference in total number of mink, muskrat and ermine caught, override any minute trends due to the large scale used. To compensate, the totals were converted to a common logarithm, Log10, with the value of +2 being added to all totals (Table 9). The converted totals were graphed to show any possible trends within and between species (Figures

Figure 39. Location of study area in Northwestern Ontario: showing division of Kenora and Red Lake Registered Trapline regions into five section, A - E

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42 & 43).

The Ontario fur-return data were also examined using the above-mentioned correlation formula, with the intraspecific results (Appendix 6, Table 10) graphed to show any possible population cycles or periodicity (Figures 44 & 45)

Because the Kenora and Red Lake Regions cover a very large area of land the Ontario results were divided into five sections, roughly corresponding to the five easternmost Manitoba sections. That is, Northwestern Ontario (NWO) Section A - corresponds to Pauingassi RTL Section, NWO Section B- corresponds to Little Grand Rapids RTL Section, NWO Section C - corresponds to Hole River RTL Section, NWO Section D - corresponds to Lac Du Bonnet RTL Section, and NWO Section E corresponds to Whiteshell RTL Section (Figure 39)

The various RTLs within Kenora and Red Lake regions were divided into the above mentioned five NWO sections (Appendix 7, Table 11). The number of animals caught per NWO section were graphed to show any possible trends within and between the species (Figures 46 - 50).

To determine if there is any relationship within the three species, the total number of animals caught for a given year (year t) was correlated to subsequent years (t+1, t+2, ..., t+8) (Appendix 8). The coefficients calculated for correlations within the species are recorded on Table 12 and show in Figures 51 to 55. Due to the lack of data on the number of muskrats caught per year, I was not able to conduct the interspecific correlation analysis.

RESULTS

Provincial Results

As previously mentioned, the province-wide fur returns were transcribed from Department of Natural Resources records (Appendix 1), and the totals for each species graphed (Figures 2, 3 & 4). There appears to be a change in both the frequency and the total number of animals taken between the pre-1970 and post-1970 data for the mink returns (Figure 2). The dotted line represents the 1970 division point.

The provincial fur returns were divided into three components; Provincial Totals 1919/20 - 1993/94, Provincial Totals 1919/20 - 1969/70, and Provincial Totals 1970/71 - 1993/94, and time lagged correlation coefficients were calculated (Table 1).

Intraspecific Results

The intraspecific correlation coefficients calculated for each component were then plotted for each species (Figures 5, 6 & 7). The mink (Figure 5) show a moderately high coefficient value, r = 0.62, which decreases to r = -0.09, then increases to r = 0.45 at the 8 Year point. The pre-1970 and post- 1970 components show similar curves, which combine to form the Provincial Totals 1919/20 - 1993/94 line. The result is that the provincial totals of mink exhibit a distinct 8 - 9 year cycle.

The muskrats (Figure 6) show an initially very high combined total correlation, r = 0.84, which decreases over time. However, this combined total is composed of the pre-1970 line,

showing a similar curve, and the post-1970 line which exhibits two peaks, at 4 Years Out (r = 0.71), and 8 Years Out (r = 0.47). The result is that the overall provincial totals of muskrat do not exhibit any sign of cyclicity or periodicity. The post-1970 component implies that there is a possible 4-year cycle which may be due to socioeconomic factors such as price per pelt offered.

The ermine (Figure 7) exhibit a relatively stable combined total, with coefficients ranging from r = 0.86 to r = 0.67. This stable combined total is the product of the pre-1970 component, with moderate coefficient values, and the post-1970 which consists of relatively low coefficient values. The result is that the provincial totals of ermine do not exhibit any sign of cyclicity or periodicity.

Interspecific Results

The interspecific correlation coefficients calculated for each component were also plotted (Figures 8, 9 & 10). Figure 8 shows the correlation coefficients calculated for mink versus muskrat. The overall Provincial Totals 1919/20 - 1993/94, show an increase in value from r = 0.34, up to r = 0.60 at the 2 Years Out point, then decreasing to r = 0.25 at the 7 Years Out point. The coefficients increase to r = 0.34 at the 8 Years Out point. The overall Provincial Totals line is the result of combining the pre-1970 and post-1970 components as mentioned above. The pre-1970 component shows values similar in shape and trend to that found in the overall totals segment. The post-1970 component shows a markedly different trend. In the post-1970 component, there are three distinct peaks, at the 1, 5 and 9 Years Out points (r = 0.60, 0.51, and 0.57 respectively). The result of this analysis is that there is a moderately high level of association between the muskrat population of one specific year

(year t) and the mink population two years later (year t+2).

Figure 9 shows the correlation coefficients calculated for mink versus ermine. In this analysis the overall Provincial Totals 1919/20 - 1993/94 segment shows a relatively low value, r = 0.26, increasing gradually over the 10 years lagged sequence, to r = 0.40. The overall Provincial Totals segment is composed of the similar shaped pre-1970 component and the distinctly regressive post-1970 component. The pre-1970 component shows an initial decrease then a gradual increase in absolute value over time, from r = -0.25 at the 1 Year Out point, up to = 0.19 at the 8 Years Out point. The post-1970 component exhibits a dramatic decrease in value from r = 0.80 at the Same year point, to r = -0.05 at the 6 years Out point. The values level off near this value for the next four years. The result is a very low positive level of association between mink and ermine.

Figure 10 shows the correlation coefficients calculated for muskrat versus ermine. The overall Provincial Totals 1919/20 - 1993/94 segment exhibits relatively high and stable values, ranging from r = 0.53 up to r = 0.67 at the 6 years Out point, then decreasing slightly to r = 0.60 at the 10 Years Out point. The pre-1970 component exhibits an almost identical trend, with the coefficients being lower in value. The post-1970 component deviates from this stable trend, with values decreasing steadily from r = 0.57, to r = 0.00 at the 5 Years Out point, increasing slightly to r = 0.16 at the 8 Years Out point, then decreasing dramatically to r = -0.29 at the 10 Years Out point. The result is a relatively high positive level of association between muskrat and ermine.

Price per Pelt Analysis

The price per pelt offered for mink, muskrat, and ermine was also transcribed from provincial Department of Natural Resources records (Johnson 1989) from 1919/20 to 1993/94 (Appendix 1). The price per pelt was plotted against the total number of pelts sold (Figures 11, 12 & 13)

Figure 11, representing the mink, shows the price per pelt remaining relatively low from 1919/20 to 1942/43, peaking during the late 1940's then decreasing gradually until the mid 1970's when the price increased dramatically into the 1980's.

Figure 12, representing the muskrat, shows a similar pattern to that seen in Figure 4, with relatively low values from 1919/20 to approximately 1942/43, peaking slightly in the late 1940's, decreasing during the 1950's and 1960's, then increasing dramatically in the late 1970's and early 1980's. The price finally decreased in the late 1980's and early 1990's.

The ermine, Figure 13, unlike the mink and muskrat, show moderate prices in the mid 1920's, but then decrease in 1936/37. The price rebounded to moderate values from the early 1940's through to the mid 1970's, when the price increased steadily to 1993/94.

The total number of pelts sold was then correlated to the price per pelt to determine if there were any observable relationships. Table 3 lists the time-lagged correlation coefficients for each species, divided into the three components outlined above. The time lagged correlations were calculated for up to eight years out of sequence and plotted (Figures 14, 15 & 16).

Figure 14 shows the correlation values for mink versus price per pelt. The combined Provincial Total (1919/20 - 1993/94) shows a relatively stable low negative correlation with values ranging from r = -0.12, increasing to r = -0.20, at the 2 Year point, decreasing to r = 0.00, at the 6 Year point, then increasing slightly to r = -0.07 at the 8 Year point. The combined Provincial Total is the product of the pre-1970 coefficients, which are low, then increase in relative amount over the next five years, peaking at r = 0.55, at the 5 Year point, then decreasing to r = 0.33, at the 8 Year point, and the post-1970 coefficients, which start at low positive values then decrease over time, becoming relatively high negative values, with values increasing to r = -0.63, at both the 4 and 5 Year points, then decreasing to r = -0.36, at the 8 Year point.

Figure 15 shows the correlation values for muskrat versus price per pelt. As with the mink, the combined Provincial totals are relatively stable, low negative values, which are the products of the increasing pre-1970 and the decreasing post-1970 values. The pre-1970 values increase steadily to r = 0.54, at the 4 Year point, then decreasing over the next four years to r = 0.34. In contrary, the post-1970 values show a steady decline from r = 0.41, to r = -0.29, at the 6 Year point, then values close on the zero mark.

Figure 16 shows the correlation values for ermine versus price per pelt. The combined Provincial totals are moderate, stable negative values, ranging between r = -0.32, and r = -0.44. Both the pre-1970 and post-1970 categories show increasing (absolute) negative values. The pre-1970 values show a steady decline from r = 0.02, to r = -0.41, at the 8 Year point. The post-1970 values show an increase (absolute) from r = -0.29, at the 1 Year point, to r = -0.85, at the 5 Year point, then the values decrease to r = -0.59, at the 8 Year point.
Sectional Results

Once all of the sectional totals were recorded, the next step was to examine for any correlation within each species, and then between the three fur-bearers (Appendix 4). In his analysis, Chatfield (1989), defines the limit of time series correlations based on the total number of "pairs of observations" divided by 4. That is, if there are 30 pairs of observations, then the maximum distance that one can proceed with a time series correlation is, 30/4 = 7.5 years. Therefore, any correlation coefficients calculated after this point are very weak and must be interpreted with the knowledge of the very low number of actual year - year correlation pairings. Had there been more harvest records available, correlation coefficients calculated up to the 10 year lagged sequence point, as with the Provincial analysis.

Intraspecific Analysis

The first series of correlations examined the association within each species for each section. Table 6 shows the calculated coefficient values for mink, muskrat, and ermine through eight years of lagged correlations. These coefficient values were then graphed (Figures 33, 34 & 35), to show a visual representation of the data.

Mink

Figure 33 shows the correlation values for mink, for each RTL section, over the eight years.

Berens River shows two large positive coefficient values at the 2 and 8 Year marks. The value at the 2 Year point, r = 0.70, represents a much stronger correlation than the value, r = 0.70, at the 8 Year point, due to the small sample size used in this lagged correlation. Using Chatfield's formula, N = 18 years (Appendix 3), and therefore N/4 = 4.5. Thus the correlation values calculated for the 5, 6, 7, and 8 years out-of-sequence analyses must be interpreted with the knowledge of the very low number of actual correlation pairings. Therefore, the only correlation coefficient of note is that of r = 0.70, at the 2 Year point.

Bloodvein section shows a different trend from that in Berens River. With the one exception at the 3 Year point, the rest of the correlation coefficients show a possible eight year cycle. This agrees with the possible eight year cycle found throughout the province. The correlation analysis for this section is valid to the 6 Year point (N = 27, N/4 = 6.75).

Duck Mountain section exhibits an unique trend. There is very high, positive correlation within the mink population at the 1 Year point, then the trend stabilizes at approximately the mid point between 0.00 and 1.00. However, as for Berens River, the later correlations are based on very few aligned years and therefore do not carry the same power as the earlier calculations (N = 21, N/4 = 5.25).

Hole River appears to have two peaks; one small, r = 0.42 at the 4 Year point, and a larger, r = 0.64, at the 8 Year point. Therefore, this section also corresponds to the provincial eight year cycle (N = 25, N/4 = 6.25).

Lac Du Bonnet shows a general decline, or negative slope, throughout the eight year sequence. With the exception of the slight positive value at the 7 Year point, the coefficient

values range from r = +0.27 to r = -0.32, indicating a very low intensity of association both positively and negatively (N = 29, N/4 = 7.25).

Little Grand Rapids shows a very stable progression with regards to the lagged sequence correlations. The very large positive value, r = 0.75, at the 1 Year point indicates that there is a great level of association between the population total of one year and the population total of the next. This very high association continues throughout the eight year sequence (N = 25., N/4 = 6.25).

Pauingassi exhibits an unique four year cycle. However, due to the short time period of the fur record for this new RTL section, 1982/83 - 1993/94, as one progresses through the eight year sequence, the actual number of year - year correlations decreases. Due to the extremely low number of year - year pairings, (N = 12, N/4 = 3), the strength of the correlation analysis has been decreased. Therefore, one must disregard the coefficients at the 4, 5, 6, 7, & 8 year points, or accept them with the understanding of the lowered power.

Whiteshell exhibits a general decrease or negative slope in the correlation values over time. As with Lac Du Bonnet, there is a decrease in the intensity of association as the populations being compared move farther apart (N = 35, N/4 = 8.75).

Muskrat

Figure 34 shows the correlation values for muskrat, for each RTL section, over the eight years.

Berens River shows an unique possible four year cycle, with peaks occurring at the 4 Year point, r = 0.44, and at the 8 Year point, r = 0.53. However, as mentioned above in the mink analysis, N = 18, and N/4 = 4.5, therefore all correlation coefficients calculated after the 4 Year point, must be interpreted with the knowledge of the very low number of actual correlation pairings.

Bloodvein exhibits a general decline over time, with the correlation coefficients starting at r = 0.80, then decreasing to r = 0.08, at the 7 Year point. This implies that the association between muskrat populations decrease as the years being compared move farther apart (N = 27, N/4 = 6.75).

Duck Mountain shows a decrease from r = +0.45 to r = -0.08, from the 1 Year point to the 2 Year point. The coefficients remain relatively stable ranging between r = 0.12 and r = -0.24. There is a slight correlation between the population of muskrats from one year to the next year, but not for subsequent years (N = 21, N/4 = 5.25).

Hole River, with the exception of the 5 Year point, shows a possible six year muskrat cycle, r = 0.41. (N = 25, N/4 = 6.25). This is contrary to the other Manitoba RTL sections.

Lac Du Bonnet does not show any discernable cycle or trend. The correlation coefficients decrease from a relatively low positive value to relatively low negative values. There is the possibility of a five year negative correlation, r = -0.30, at the 5 Year point, indicating that the population of muskrats from one year is negatively correlated to the population five years out of sequence (N = 29, N/4 = 7.25).

Little Grand Rapids exhibits a very large positive correlation coefficient for the 1 Year point which gradually decreases over time. This implies a very strong association between the population from one year and the next. The values do not indicate any discernable cycle (N = 25, N/4 = 6.25).

Pauingassi also exhibits moderately large positive correlation coefficients for the first three years, implying that the population from one year is strongly associated with the populations for the next few years. However, as mentioned above, this section is relatively new and therefore does not have very many years of usable fur-return data (N = 12, N/4 = 3).

Whiteshell exhibits a trend very similar to that found in the Little Grand Rapids section. The correlation coefficient calculated for the 1 Year point is relatively large, with the later values decreasing over time until the 8 Year point, when the value increases, hinting at a possible eight or nine year cycle (N = 35, N/4 = 8.75).

Ermine

Figure 35 shows the correlation values for ermine, for each RTL section, over the eight years.

The correlation coefficients calculated for Berens River do not exhibit any discernable trend or cycle (N = 18, N/4 = 4.5).

Bloodvein shows a possible cycle with peaks occurring at the 2 and 7 Year points. Since N = 27, N/4 = 6.75, for this section, one must disregard the 7 Year peak, or accept it with the

understanding of the limited number of year - year pairings used for the correlation calculation.

Duck Mountain shows the opposite trend to that found in Bloodvein: a possible five year cycle. The correlation coefficients increase from r = 0.09, at the 2 Year point, to r = 0.35, at the 5 Year point. However, the coefficients are relatively low in value, and therefore represent a low level of association between the years (N = 21, N/4 = 5.25).

Hole River also shows a possible five year cycle. The relatively low coefficients decrease from r = 0.17, to -0.06, then increase to 0.24, at the 5 Year point. As mentioned for Duck Mountain, these coefficient values are very low and therefore express a low level of association between the years (N = 25, N/4 = 6.25).

Lac Du Bonnet shows a possible two year cycle with coefficient values rising to r = 0.63 at the 2 Year point, then decreasing over time to moderate negative values (N = 29, N/4 = 7.25).

Little Grand Rapids exhibits an unique trend with very large coefficients increasing from r = 0.72 to r = 0.79 at the 3 Year point, then decreasing over time. These very large values indicate a very high level of association between the populations of one year over the next few years (N = 25., N/4 = 6.25).

Pauingassi shows a possible four year cycle with peaks occurring at the 4 and 8 Year points. However, as mentioned above, the limited amount of fur-returns decreases the validity of the later correlations (N = 12, N/4 = 3). Whiteshell does not exhibit any discernable cycle. The relatively low coefficient values decrease over time from r = +0.29, to r = -0.29, at the 7 Year point (N = 35, N/4 = 8.75).

Interspecific Analysis

The second series of correlations examined the association between the three species for each section. Table 7 shows the calculated coefficient values for mink versus muskrat, mink versus ermine, and muskrat versus ermine through eight years of lagged correlations. These coefficient values were then graphed (Figures 36, 37 & 38), to show a visual representation of the data.

Mink versus Muskrat

Figure 36 shows the correlation values for mink versus muskrat, for each RTL section, over the eight years.

Berens River shows a possible four year cycle of association with peaks occurring at the 4 and 8 Year points. The coefficient calculated for the 4 Year point is relatively large, r = 0.84, which implies a strong level of association between mink and muskrat populations four years apart. This association may be due to factors other than a predator/prey relationship. A predator/prey association should be demonstrated by a one to two year difference, when the mink population would increase to take advantage of the increased muskrat population. A delay of four years indicates something other than a direct predator/prey affiliation (N = 18, N/4 = 4.5).

Bloodvein also exhibits a four year cycle of association. Unlike Berens River, the coefficient values increase gradually to r = 0.78, at the 4 Year point. As mentioned above, this four year lagged association could not be interpreted as a direct predator/prey relationship (N=27, N/4 = 6.75).

Duck Mountain shows a possible three year association with a moderate peak occurring at the 1 Year point, r = 0.56, and a relatively low peak, r = 0.32 at the 4 Year point. This analysis is more supportive of a possible predator/prey relationship between mink and muskrat. That is, the population of mink should increase one year after an increase in the population of muskrat (N = 21, N/4 = 5.25).

Hole River also exhibits a possible three year cycle of association with a peak, r = 0.58 at the 2 Year point, and a second peak, r = 0.46, at the 5 Year point. This analysis is not as supportive of the direct predator/prey relationship as found in the Duck Mountain data, but more supportive than the Berens River and Bloodvein data (N = 25, N/4 = 6.25).

Lac Du Bonnet also exhibits a well defined four year cycle of association, with a coefficient value of r = 0.65 occurring at the 4 Year point. As mentioned above, this is not indicative of a predator/prey association (N = 29, N/4 = 7.25).

Little Grand Rapids shows a two to three year peak, with coefficient values reaching r = 0.85, and 0.83 respectively, implying a strong level of association between mink and muskrat populations two to three years apart, similar to that found in Hole River (N = 25., N/4 = 6.25). Pauingassi shows a relatively stable high level of association between mink and muskrat, with values ranging between r = 0.51 to 0.73 for the first few years of calculations. There is no discernable trend or cycle found. This section supports the possible predator/prey relationship between mink and muskrat (N = 12, N/4 = 3).

Whiteshell shows a possible peak at the 2 Year point, r = 0.45, then the values decrease over time. This analysis also supports the possibility of a predator/prey relationship between mink and muskrat (N = 35, N/4 = 8.75).

Mink versus Ermine

Figure 37 shows the correlation values for mink versus ermine, for each RTL section, over the eight years.

Berens River exhibits a possible four year cycle of association with moderate peaks occurring at the 4 Year point, r = 0.44, and the 8 Year point, r = 0.28. Unlike in the mink versus muskrat analysis, where there was the possibility of a predator/prey relationship, any cycle of association between mink and ermine would indicate predator/predator interaction or competition. This possible cycle implies that the population of mink would increase four years after a rise in the ermine population. This gives support to a possible predator exclusion situation since mink feed also on small mammals (see studies cited in Introduction) and therefore would be in competition with the ermine (N = 18, N/4 = 4.5).

Bloodvein shows a possible three year cycle of association with a large peak, r = 0.73, at the 3 Year point, and a smaller peak, r = 0.35, at the 6 Year point. These results support the

theory of a predator exclusion model, with the population of mink increasing three years after an increase in the ermine (N=27, N/4 = 6.75).

Duck Mountain exhibits a definite peak at the 4 Year point, r = 0.64, which is similar to that found in the Berens River analysis (N = 21, N/4 = 5.25).

Hole River shows a moderate peak at the 3 Year point, r = 0.53, which supports the theory of predator exclusion as in Bloodvein. However, there is a large coefficient at the Same Year point, implying that is a very strong association between the populations of mink and ermine at the same time. This may be due to an increase in terrestrial prey which could support large populations of both predators, or there could be an increase in non-terrestrial prey which could support the mink population independent of the ermine (N = 25, N/4 = 6.25).

Lac Du Bonnet shows two moderate peaks, at the Same Year, r = 0.60, and the 2 Year, r = 0.56, points, and a smaller peak, r = 0.28, at the 4 Year point. This set of data implies a two year cycle of association between mink and ermine, with an increase in prey resources as the reason for the relatively large Same Year coefficient value (N = 29, N/4 = 7.25).

Little Grand Rapids exhibits a relatively large, stable level of association between mink and ermine. The coefficient values range from r = 0.77 peaking slightly at the 3 Year point, r = 0.85, then decreasing over time. This level of association may be due to relatively large numbers of prey, allowing for large populations of both predators (N = 25., N/4 = 6.25).

Pauingassi shows a relatively large peak, r = 0.88 at the 4 Year point, and a moderate peak, r = 0.69, at the 8 year point. These results support the theory of a predator exclusion model,

with the population of mink increasing four years after an increase in the ermine. However, there is a very large coefficient value, r = 0.82, at the Same Year point, which could be due to relatively high levels of prey, allowing for large populations of both predators (N = 12, N/4 = 3).

Whiteshell shows a large coefficient value, r = 0.61, at the Same Year point, which decreases over time. As with the results from Little Grand Rapids and Pauingassi, this level of association may be due to relatively large numbers of prey, allowing for large populations of both predators (N = 35, N/4 = 8.75).

Muskrat versus Ermine

Figure 38 shows the correlation values for muskrat versus ermine for each RTL section, over the eight years.

Berens River shows a relatively large coefficient value, r = 0.69, at the Same Year point, then the coefficients decrease to moderate negative values over time. The large level of association at the Same Year point could be due to environmental factors favourable to both species, and not the result of a predator/prey relationship (N = 18, N/4 = 4.5).

Bloodvein shows a moderate peak, r = 0.61, at the 1 Year point, then the values decrease over time. This peak, like the large coefficient found in the Berens River analysis, could be due to favourable conditions that promote population growth in the muskrats, and possibly the prey species that the ermine feed upon (N=27, N/4 = 6.75). Duck Mountain shows an unique four year cycle, with peaks at the 3 Year point, r = 0.69, and at the 7 Year point, r = 0.88. This association may be due to the reasons mentioned above, or a quirk of the correlation analysis, produced when two unrelated species are compared (N = 21, N/4 = 5.25).

Hole River exhibits a moderate coefficient value, r = 0.51, at the Same Year point, which decreases over time, then peaks, r = 0.49, at the 6 Year point. This correlation may be due to the reasons mentioned above: environmental factors favourable to both species (N = 25, N/4 = 6.25).

Lac Du Bonnet does not exhibit any discernable trend or cycle. The correlation coefficients, both positive and negative, are low in value, ranging from r = 0.28, to -0.38 (N = 29, N/4 = 7.25).

Little Grand Rapids shows an unique trend, with very large correlation coefficients, ranging from r = 0.78, peaking at r = 0.87, at the 2 Year point, decreasing gradually over time to r = 0.50, at the 5 Year point, then increasing to r = 0.62 at the 7 Year point. This very strong association could only be possible due to environmental factors favourable to both species (N = 25., N/4 = 6.25).

Pauingassi shows moderate decreasing coefficients, from r = 0.71, at the 1 Year point, which peak slightly, r = 0.70, at the 4 and 5 Year points, then decrease dramatically to low negative values. As with the other sections, this high level of association could only be due to environmental factors favourable to both species. The very large value calculated for the 8 Year point, r = 0.91, must be dismissed due to the very limited amount of fur-return data for this section (N = 12, N/4 = 3).

Whiteshell shows moderate correlation coefficients for the Same and 1 Year points, r = 0.57, for both, which decrease to low positive values. The first two correlations are resultant of the previously mentioned favourable conditions, while the remaining coefficients are more indicative of a correlation between two unrelated species (N = 35, N/4 = 8.75).

Northwestern Ontario Results

Intraspecific Results

The first series of correlations examined the association within each species for part of two Northwestern Ontario Trapline Regions. Table 10 shows the calculated coefficient values for mink, muskrat and ermine through ten years of lagged correlations. These coefficient values were then graphed (Figures 44 & 45), to show a visual representation of the data.

Mink

Kenora shows a relative high value, r = 0.63, decreasing gradually to r = -0.22 at the 5 Year point, then increasing to r = 0.56 at the 9 Year point. The value decreased to r = 0.29 at the 10 Year point (N = 31, N/4 = 7.75).

Red Lake shows a very similar pattern to that seen in Kenora. Large value, r = 0.68, decreasing to r = -0.55 at the 4 Year point, then increasing to r = 0.40 at the 9 Year point. The value, decreased to r = -0.02 at the 10 Year point (N = 18, N/4 = 4.5).

Muskrat

Due to muskrat pelts not being "sealed" after the 1972/73 season, there ares no fur-return records for muskrat from the Kenora region, and therefore no correlations possible (N = 31, N/4 = 7.75).

Red Lake exhibits an initially large value, r = 0.61, which decreases to relatively stable moderate values, ranging from r = 0.49 to 0.42, for the 2 to 5 Year points. The values decrease to r = 0.01 at the 7 Year point, increase to r = 0.17 at the 8 Year point, then decrease to r = -0.16 at the 10 Year point (N = 18, N/4 = 4.5).

Ermine

Kenora shows coefficient values decreasing from r = 0.41, to r = -0.48 over the first nine years. The value, increased slightly to r = -0.31 at the 10 Year point (N = 31, N/4 = 7.75).

Red Lake shows an initially moderate value, r = 0.43, which decreases gradually to r = -0.14 at the 6 Year point, then increasing to r = 0.29 at the 8 Year point. The values decrease to r = -0.31 at the 10 Year point (N = 18, N/4 = 4.5).

Sectional Interspecific Analysis

The fur-returns for the two Northwestern Ontario Trapline regions were divided into five sections, corresponding to the five Manitoba sections that border Ontario (Figure 39). This second series of correlations examined the association within each species for the five

sections. Table 12 shows the calculated coefficient values for mink, muskrat, and ermine, through ten years of lagged correlations. These coefficient values were then graphed (Figures 51 - 55), to show a visual representation of the data.

Mink

NWO Section A: Shows coefficient values decreasing from r = 0.63 to -0.63 at the 4 Year point, then increasing to r = 0.62 at the 8 Year point. The value decreases to r = -0.03 at the 10 Year point.

NWO section B: The correlation coefficients decrease from r = 0.65 to r = -0.50 at the 4 Year point, then increase to a peak, r = 0.30 at the 9 Year point.

NWO section C: Shows the coefficient values decreasing from r = 0.49 to -0.43 at the 4 Year point. The values increase slightly then decrease to r = -0.48 at the 6 Year point, before increasing to r = 0.34 at the 9 Year point.

NWO section D: The coefficients increase slightly from r = 0.23 to 0.57 at the 2 Year point, then decrease to r = -0.29 at the 5 Year point. The values increase to r = 0.27 at the 9 Year point before decreasing to r = -0.20.

NWO section E: The coefficient values decrease from r = 0.57 to -0.39 at the 5 Year point. The values then increase to r = 0.45 at the 10 Year point.

Muskrat

NWO section A: Shows the coefficient values initially decreasing from r = 0.63 to 0.54 then increasing to 0.69 at the 3 Year point. The values decrease to r = 0.20 at the 7 Year point, then increase to a peak, r = 0.49 at the 9 Years out.

NWO section B: The correlation coefficients decrease from r = 51 to 0.31 at the 3 Year point, then increase to 0.51 at the 5 Year point. The values decline to r = -0.01 at the 10 Year point.

NWO section C: The coefficient values increase from, r = 0.34, to 0.55 at the 4 Year point, then decrease to 0.01 at the 7 Year point. The coefficients increase to r = 0.31 at the 8 Year point, then decrease to r = -0.42 at the 9 Year point.

NWO section D: Shows the coefficient values decreasing from r = 0.36 to -0.05 at the 4 Year point, then increasing to r = 0.20 at the 6 Year point. The values dip to r = -0.21 at the 7 Year point, before increasing slightly to 0.00, then decreasing to r = -0.36 at the 9 Year point.

NWO section E: The correlation coefficients decrease steadily from r = 0.81 to r = -0.14 at the 9 Year point.

Ermine

NWO section A: Shows the coefficient values dip from r = 0.14 to -0.31 at the 2 Year point, then increase to r = 0.37 at the 4 Year point. The values decrease to a peak of r = -0.36 at the 5 Year point before increasing to 0.66 at the 7 Year point. The values finally decrease to r = -0.40 at the 9 Year point.

NWO section B: The correlation coefficients decrease from r = 0.51 to r = -0.22 at the 5 Year point. The values increase to r = 0.26 at the 8 Year point before decreasing to r = -0.18 at the 10 Year point.

NWO section C: In this section the coefficients decrease from r = 0.26 to 0.03 at the 3 Year point, peaking at r = 0.47 at the 4 Year point, before decreasing to r = -0.13 at the 7 Year point. The values increase to r = 0.26 at the 9 Year point, then drop to r = -0.46.

NWO section D: The coefficient values decrease from r = 0.26 to low negative values between r = -0.19 and -0.04, before increasing to r = 0.51 at the 7 Year point. The values decrease steadily to r = -0.33 by the 10 Year point.

NWO section E: Shows the correlation coefficients fall rapidly from r = 0.76 to r = -0.33 at the 7 Year point, then decrease slightly to r = -0.38 by the 10 Year point.

DISCUSSION

Although some may argue that one should not use or cannot use fur harvest data to interpret wildlife populations, in most instances trapping records are the only data available for many species. In most instances, the population of an animal is calculated for a small sample or survey area, and the results extrapolated for other, larger regions. While this may be a valid method for ecologically similar areas, in actuality each region or area is composed of various elements all of which are variable and can influence a particular species. The fur harvest records provide researchers with actual field data for the individual regions in question. With the Registered Trapline (RTL) system utilized in the province of Manitoba, one can consult the RTL maps and determine the specific biological classification or composition of the individual trapline areas. This classification along with the detailed fur harvest records allows for in-depth, site-specific analysis. Thus, the rationalization for using the fur harvest records to examine for any population trends and possible correlations among the species.

In order to use the fur harvest records in the above-mentioned way, one must make the basic assumption that the fur harvest is indicative or reflective of the population as a whole. In other words, as the population increases, so does the number of animals caught. Butler (1953) concluded that there was evidence indicating that a greater proportion of the population is trapped during a period of abundance than during a time of population scarcity. Butler also concluded that the numbers of animals trapped increases or decreases directly but not proportionally in relation to the actual population size.

Variables Affecting Fur Harvest

There are seven variables that may affect the fur harvest (Johnson 1989). The first such variable is the price per pelt, which fluctuates constantly and is subject to the "demand" for specific species. If there is a great demand for a particular fur, such as lynx (*Lynx lynx*) or coyote (*Canis latrans*), then the price offered by the fur buyers would increase. Conversely, if there is a surplus of pelts of a particular species, then the price offered could decrease.

The second variable, and possibly the most influential, is the weather, which has a twofold effect on the fur harvest. First, the effect of severe weather on the trappers themselves. Trappers are subject to the vagaries of the winter weather such as: the time when waterways become frozen over allowing travel into inaccessible areas, or the thickness of snow cover that could hinder the ease of movement within forested areas. Secondly, the weather affects the fur-bearers directly. The onset of the hiemal threshold, which is the critical thickness of snow needed for thermal insulation on the forest floor, affects the small mammal population (Pruitt 1957) and in turn the food base for the carnivorous fur-bearers.

There are two basic biological variables; Environmental disturbance, where certain activities such as mining, forestry, or recreational use will restrict trappers' use of the area and also destroy the habitat; and Fur-Bearer populations, which can naturally fluctuate or are subject to natural factors such as disease. Of these two variables, only the impact of human activity can be regulated. If human disturbance is unchecked, then very large regions of land can become compromised, with wildlife populations declining due to loss of habitats.

There are two socioeconomic variables; Community employment and Operating costs. Major

work projects, such as mining, forestry, civil engineering projects (constructing roads, bridges, dams etc.), can affect trapping by providing greater, more stable sources of income to the trapper. This factor, combined with the operating costs associated with trapping (fuel for transportation, basic equipment costs, etc.) creates an alternative more profitable than trapping.

Finally, there is the actual number of trappers operating per year. If there are more trappers, there are more traps being set, and therefore, the number of animals caught should increase proportionally. That is, if one trapper can set and manage 100 traps then theoretically, 10 trappers can set and manage 1000 traps. If the local animal population is of sufficient size and density, then an increase in the number of traps set throughout the area should be reflective in more animals being caught. However, if the local animal population is not sufficiently large enough to handle the increased trapping pressure, then an increase in the number of traps set and per trap.

Historically, mink have accounted for 13% of all pelts sold within Manitoba (Johnson 1989). This percentage has fluctuated over time, with the value increasing as high as 28% during the 1949/50 - 1958/59 seasons, and dropping as low as 5% during the 1983/84 season. From 1975 to 1987, mink accounted for 9% of the total fur harvest (Johnson 1989).

Muskrats have historically accounted for 30% of the total fur harvest, with the lowest percentage occurring in the 1985/86 season, 7%, and the largest in the 1939/40 - 1948/49 seasons, with 53% of the total. From 1975 to 1987, muskrats accounted for 19.23% of the total fur harvest (Johnson 1989).

Finally, ermine have historically represented a very small percentage of the total fur harvest. Percentages have been around 6 - 7% from 1919/20 - 1958/59. From 1975 to 1987, the ermine only constituted <1% of the total fur harvest (Johnson 1989).

The total numbers of pelts of mink, muskrat and ermine, sold within Manitoba, were graphed (Figures 2, 3 & 4 respectively).

There is an inherent problem with using the provincial fur harvest records. The problem is that the province-wide records include a wide range of biomes and habitats, from the northern coniferous forest or taiga, through the parklands/mixed wood forest, to the large prairie marshes in the south. It is this southern region that presents an unique problem in the data, for the prairie marshes are large and relatively stable, which provides ideal habitat for mink and muskrats. The northern forest, on the other hand, is composed of many small lakes and streams with large regions covered in bogs, which may not be as productive an area for mink and muskrats. Therefore, by including this southern region in the provincial records, the overall fur return numbers may be artificially skewed due to the possibly more productive prairie marshes. The result is the southern region fur-returns dominating the provincial harvest data. If it were possible, the best method for this type of analysis, the comparison between species in the forested region, would be the separation of forested and prairie regions of the province.

Provincial Intraspecific Analysis

As previously mentioned, there appears to be a change in both the frequency and the total number of mink taken between the pre-1970 and post-1970 periods (Figure 2). This shift

may be due to socioeconomic pressures. Prior to 1970, the trapper hunted all fur-bearer species, regardless of fluctuating prices, in order to provide an income. After 1970, many trappers found work on various government-sponsored projects such as the construction of roads, bridges and hydroelectric dams, or elsewhere which provided an alternate and more reliable source of income. However, many trappers continued to set traps on a part-time or weekend basis, which provided additional income: Thus the emergence of the "Hobby Trapper". In this instance, it is probable that the trapper would target or select those animals with the greatest price per pelt offered. This could explain the change in frequency and total returns for many of the fur-bearer species.

Based on the total mink returns, which include the southern prairie pot-hole/marsh regions, there appears to be an 8-year cycle, (correlation value r = 0.45) (Table 1, Figure 5). There also appears to be a change in the frequency and total number of pelts sold, from the 1919/20 - 1969/70 component as compared to the 1970/71 - 1993/94 component. In the pre-1970 component, the correlation value (Table 1) for an eight year cycle is r = 0.44, very close to the observed correlation value r = 0.45 for the whole province 1919/20 - 1993/94. However, in the post-1970 component, the correlation value for an 8-year cycle is r = 0.25, almost half (55%) of the value for the whole time period. Therefore, there is less indication of any 8-year cycle after 1970. From the correlation values calculated for the post-1970 component, there does not appear to be any definitive cycle.

This result is comparable to the 8-year cycle found by Keith (1963) for the province of Manitoba. Keith's analysis was based on fur-return data obtained from Manitoba Department of Mines and Natural Resources records. Keith also examined the fur-return data for Saskatchewan, finding similar results as those in Manitoba, but the data were much more

haphazard. Other authors have found similar results to those calculated by Keith. Finerty (1980) cites two authors who worked with early, 1848 - 1909, Hudson's Bay Company fur sales statistics; J.W. Jones, stating the mink cycle as 10-years in length, and C.G. Hewitt, who calculated the average cycle length as 9.7-years. Butler (1953), using Hudson's Bay Company fur sales records and the Dominion Bureau of Statistics, also found an average cycle length of 10-years.

The general belief among many trappers is that muskrats play an important part in the mink diet and, in turn, the mink population. Therefore, the provincial fur-return totals of muskrats were recorded and correlations were calculated to determine if any trends occurred within this species.

Table 1 and Figure 6 list the correlation coefficients of muskrats as described in the mink synopsis. The muskrats do not show any historical trend or cyclicity, from 1919/20 - 1993/94. The same applies to the pre-1970 component (See Figure 3), where the largest coefficient is found in the 1 Year lagged correlation. This indicates that the population of one year has a great intensity of association to the population of the next year. However, in the post-1970 component, there appears to be a possible 4-year cycle, r = 0.71, which can be seen in Figure 6. This result is contrary to that found by Elton and Nicholson (1942) and Butler (1953) who determined that muskrat exhibit a strongly marked 10-year cycle. Elton and Nicholson's analysis was also based on Hudson's Bay Company (HBC) fur sales statistics, which were divided among the many HBC outposts across Canada. This division showed how fluctuations in the muskrat populations would originate in one region and spread outward into neighbouring areas. Butler (1962) also determined that muskrat exhibit a noverall 6-year cycle in Saskatchewan. His analysis of Hudson's Bay Company fur sales

records showed a 6-year cycle in the southern prairie and middle aspen grove portions of the province, while the northern Canadian Shield portion expressed a 10-year cycle.

Included in this discussion of mink populations and cycles is the possible association/ competition with the ermine. Since the mink feed on both aquatic and terrestrial prey, there is the potential for competition with the ermine for various small mammals. Therefore, the provincial totals for ermine have been recorded and the correlation coefficients calculated (Table 1).

The Manitoba fur records do not discriminate among the three species of weasel, the Least (*Mustela rixosa*), the Long-tailed (*Mustela frenata*), and the Short-tailed or Ermine (*Mustela erminea*). The provincial totals therefore include all three species under the heading or fur term "ermine." There is no discernable method to divide the record into the three separate species. Therefore, any population trends or cycles noted for the weasels must allow for the mixing of species in the fur record. There are several ecological implications due to this mixing. While the least weasel and ermine are found throughout Manitoba, the long-tailed weasel is only found in the drier, southwestern portion of the province. Therefore, the overall provincial results are not comparable to the results of the RTL sectional analysis, due to the absence of the long-tailed weasel in the eastern region. The three mustelid species may also exhibit different population trends. If the weasel populations cycle at different rates or are asynchronous, the overall combined results could be a negative cycle or a linear, non-cyclic trend.

From Table 1 and Figure 7 one can note the very large positive coefficient values, ranging from (r = 0.86, to 0.67), throughout the ten-year lagged correlations for the provincial totals

from 1919/20 to 1993/94. This implies a very strong association or affinity between the yearly populations (Figure 4). This could be due to a number of asynchronous cycles, from different regions of the province, which combine to produce the relatively large stable coefficients seen above. This strong 1 - 10 year association can be seen to a lesser degree in the pre-1970 synopsis, where coefficient values ranged from r = 0.69 to 0.19. However, the 1 - 10 year affinities decrease dramatically in the post-1970 component, where the coefficient values show a marked decline from r = 0.64 to -0.21 at the 9 Years Out point.

This lack of cyclicity in the ermine population is consistent with the findings of other authors. Bulmer (1974) found no evidence of any cyclicity in his analysis of ermine populations. Finerty (1980) cites the work of J.W. Jones, whose study did not show any regular periodicity for ermine. Finerty offers two possible explanations for this lack of periodicity: (1) the (Hudson's Bay Company fur sales) data may be dominated by ermine from forested areas where their major prey, voles or mice, are not cyclic; and (2) the ermine's ability to go under the snow for lemmings, or other prey, meaning that its food supply is not limited to those seasons when lemmings appear frequently.

Provincial Interspecific Analysis

As mentioned previously, many trappers believe that muskrats play an important part in the mink diet and, in turn, in the mink population. Butler (1953) concludes that there is a close association both in cycle and habitat between muskrat and mink. Also mentioned above is the potential association/ competition with the ermine for the same prey resource. Therefore, to determine if there is any association between these three species, the provincial fur-return totals of mink, muskrats, and ermine were consulted and correlations were calculated to

determine if any trends occurred between these species (Table 2).

Table 2 and Figure 8 show the calculated correlation coefficients for mink versus muskrat. The overall result, for the 1919/20 - 1993/94 fur-returns, is a distinct cycle, with the peak (r = 0.60) occurring at the 2 Years Out point. This implies that there is a high level of association between the muskrat population and the mink population two years later. The pre-1970 component shows a similar trend with the peak (r = 0.53) occurring at the 3 years Out point. However, the post-1970 component shows a dramatically different trend with three peaks occurring at the 1, 5, & 9 Years Out points (r = 0.60, 0.51, & 0.57 respectively). The post-1970 component implies a moderate association occurring on a shorter time scale, with the mink population peaking one, five and nine years out of sequence, as compared with the two and three-year lag for the whole and pre-1970 components. It is possible that this post-1970 analysis is the result of the periodicity seen in the post-1970 component of the intraspecific muskrat analysis (Figure 6).

Both Butler (1953) and Bulmer (1974) examined the relationship between the peak collections of mink and muskrat. Butler found that the peak of the mink population usually occurs one or two years later than the muskrat peak. Bulmer calculated correlation coefficients between mink and muskrat populations, and concluded that an increase in muskrats is followed by an increase in mink a year later. Bulmer further stated that, based on his correlation analysis, there was strong evidence that the prey-predator relationship between muskrat and mink directly affects the population dynamics of both of them.

Bulmer (1975) further clarified this situation by classifying the relationship between prey and predator as the "prey driving the predator population" or the "predator driving the prey

population". In the first case, the effect on the predator population, represents densitydependent factors acting on the predators, such as limited resources and competition for space. These factors are contrary to density-independent effects such as mortality and birth rates, which remain constant even though the actual number of deaths and births increase with density. There is also the effect of limited prey items, due to the "number of prey per predator" rather than to the "absolute density of prey". That is, with more predators and a fixed number of prey, there will be less prey per carnivore. When the "predator drives the prey population", it represents density-dependent factors affecting the prey animals. This results in a change in the predation rate caused by the fluctuation in the density of prey. The greater the density of prey animals, the lower the overall quality of health due to limited resources, epizootics and dispersal pressure, and therefore the greater predation rate.

Bulmer stated that this interaction is represented by a phase lag in the prey/predator population cycles, with the predator cycle always lagging behind the prey cycle. Bulmer calculated the phase lag as 1/4, of a period when there is no density dependence. As density dependence becomes more pronounced, the phase lag increases for predator driving prey. Conversely, as the density dependence becomes less pronounced, the phase lag decreases. From his 1974 publication, Bulmer calculated that the muskrat cycle should be ahead of the mink by either 2.4 or 1.9 years in the absence of density dependence.

Based on the calculated 8-year cycle in mink, the phase lag would be 8/4 = 2 years behind the muskrat. This corresponds to the high level of association found at the 2 Year point in the overall mink versus muskrat analysis. Therefore, the provincial mink population cycles two years after the peak in the muskrat population, which indicates a lack of densitydependent factors affecting the mink. However, the analysis of the post-1970 components shows a different trend. In this portion of the analysis, the mink population peaks 1-, 5- and 9-years after the muskrat population. This could be due to the calculated 4-year cycle found in the post-1970 provincial muskrat analysis (see Figure 8). Therefore, the post-1970 component of the provincial mink population cycles one year after the peak in the post-1970 muskrat population, indicating a decrease in the effect of density-dependent factors acting on the mink.

Table 2 and Figure 9 show the correlation coefficients calculated for a comparison between mink and ermine. The overall provincial totals 1919/20 - 1993/94 analysis show a low to moderate positive correlation, with the values increasing gradually from r = 0.21 at the 1 Year Out point, to r = 0.46 at the 8 Year point. This component is more linear than cyclic in shape, indicating a low to moderate level of positive association between the two species. Although the pre-1970 component exhibits the same trend, the coefficient values increase from r = -0.25 at the 1 Year Out point, to r = 0.19 at the 8 Years Out point. This initial negative correlation implies that an increase in the mink population, causes a decrease in the ermine population. The post-1970 component shows an entirely different trend, with the coefficient values decreasing dramatically from r = 0.80 to -0.05 at the 6 Year point. This segment implies an extremely high level of positive association between the mink and ermine within the same year and then decreases after that.

I could find no reference in the literature of any authors having ever calculated correlation coefficients between competing predators. If the ermine and mink are competing for the same food resource, one would expect to find a moderate to high level of negative correlation. That is, as the population of ermine, which have evolved to be better adapted to hunt small mammals in tunnels and burrows, increases one would expect to find the population of mink, a generalized predator, to decrease. However, only a small portion of the pre-1970 component shows this expected negative correlation. For most of the mink versus ermine analysis, the correlation coefficients are positive in value, which indicates that an increase in mink is matched by an increase in ermine. However, the coefficients are relatively low in value, implying a low level of association between these two species. A possible explanation for this gradually increasing trend, seen for the overall 1919/20 - 1993/94 component, is the relatively stable high level of association found in the ermine intraspecific analysis (Figure 6). As previously mentioned, this stable trend may be due to the inclusion of the three weasel species (*Mustela erminea, Mustela frenata*, and *Mustela rixosa*) under the fur designation "ermine."

An interspecific analysis was also done between muskrat and ermine to determine if there was any association between two non-related species. Table 2 and Figure 10 show the correlation coefficients calculated for this analysis. Surprisingly, the overall 1919/20 - 1993/94 component shows a relatively high and stable level of correlation, with the coefficients ranging from r = 0.51 to 0.67. This trend is also seen in the pre-1970 segment, with lower values ranging from r = 0.23 to 0.52. This implies that there is a high level of association between muskrats and ermine. The post-1970 component exhibits a different trend from that seen in the pre-1970 and overall segments. In the post-1970 analysis, the coefficients decrease steadily from r = 0.57 to 0.00 at the 5 Year point. There is a slight peak a the 7 Year point which then decreases to low negative values.

Several authors (see Svendsen 1982) have examined the food habits of weasels, which generally consist of small mammals such as voles, mice and shrews. Only one author (W.J. Hamilton, Jr. *in* Svendsen 1982) found muskrat to be a part of the weasel's diet (comprising

1%). Since muskrat are not considered to be a major food item of the weasel, the above analysis showing the high level of association may be due to environmental factors that positively affect both the muskrats and the prey of the weasels. Environmental elements that promote muskrat populations, such as favourable climatic conditions (mild winters, warm springs, moderate precipitation, etc.) and abundant resources (space, food, shelter, nesting materials, etc.), are also elements that promote small mammal populations. Therefore, this high level of association between two non-related species may be due to external factors and not the presumption of a predator-prey interaction. This analysis is a good example of a nonsense correlation, in which two unrelated variables are compared and a possible association is discovered.

Price Per Pelt Analysis

The above analysis is based entirely on fur-return data and with it the assumption that the "cycle" in the number of pelts sold is indicative of the animal populations in the wild. That is, when there are more fur-bearers in the wild, more will be caught and therefore, more pelts will be sold. One must keep in mind the above mentioned variables that affect fur harvest. The first, and possibly the most unstable, is the price fur buyers are willing to pay for a pelt (see Figures 11, 12 & 13). When demand is high, buyers offer higher prices for the pelts brought to the Fur Auctions. Thus the question is; Does the price of the pelt directly affect the number of animals caught? Table 3 shows the correlation values calculated between the number of pelts sold and the price paid per pelt for each year.

For the whole province, from 1919/20 - 1993/94, the correlation coefficient between mink pelts sold and price, within the same year, is r = -0.12. A negative correlation indicates that

an increase in value of one of the two variables, in this case the number of pelts sold, is accompanied by a decrease in value of the second variable, the price per pelt. Although the correlation value for the whole province, between 1919/20 - 1993/94, is a negative number, the absolute value (0.12) is very small in relation to 1.00. The correlation coefficient is not a measure of quantitative change of one variable with respect to the other, but is a measure of the "intensity of association" between the variables (Zar 1974). Therefore, with respect to the correlation between the number of pelts sold and the price per pelt within the same year, the absolute value of 0.12 indicates that there is a low intensity of association, and thus the price per pelt does not appear to affect the number of animals caught within the same year.

Figure 14, shows the calculated coefficients for an 8 year series of lagged correlations for Mink versus Price. From these results, one can see that the correlation values for the whole province, 1919/20 - 1993/94, show a relatively flattened negative cycle with the coefficients ranging from r = -0.12, peaking at -0.20, then decreasing to near zero values. However, there is a dramatic change in the distribution of the correlation values for the pre-1970 component (1919/20 - 1969/70) and the post-1970 component (1970/71 - 1993/94).

For the pre-1970 component, the correlation values are positive, implying that an increase in one variable is accompanied by an increase in the second variable (Zar 1974). Therefore, as the number of pelts sold increases, so does the price per pelt, or the opposite, as the price increases so does the number of pelts sold. The correlation coefficients are also increasing in absolute value, from r = 0.11 for the Same Year up to r = 0.55 at the 5 year mark. The values decrease slightly over the next three years to r = 0.33, at the 8 Year point. This peak at the 5 Year point shows that the intensity of association is initially increasing, then decreasing over time (See Figure 14). This increase may represent the trapper basing his/her decision to trap a particular species on very long term historical reference.

The post-1970 component shows the opposite trend. The correlation coefficient for the number of pelts sold and the price per pelt within the same year is positive (r = 0.21). Yet as one progresses through the 8 year series of lagged correlations, the values become negative and increase in intensity. Therefore, there is a greater level of intensity of association (r = 0.63) occurring at the 4 and 5 Year lagged correlation, where the number of pelts sold and the price per pelt are out of sequence by four to five years. This correlation is also negative, implying that as the number of pelts increases, the price per pelt decreases. This decrease may be due to the increase in hobby trapping, people trapping on weekends or as a supplement to an income, or a decrease in reliance of the trappers using or referring to long term historical trends.

As with the provincial mink totals, the muskrat totals were correlated with the price per pelt, and the coefficient values listed in Table 3. The correlation values for the province, for 1919/20 - 1993/94, show a negative, but very stable trend (Figure 15). This negative correlation implies that the number of fur-bearers trapped is not dependent on the price per pelt offered. This stable trend is due to the combined average of the pre-1970 and post-1970 components. The coefficient values for the pre-1970 component show an increase in the relative/absolute value from r = 0.19 to 0.54, at the 4 Year point, then decreasing to r = 0.34, at the 8 Year point. This positive correlation implies that as the price per pelt increases there is an associated increase in the number of pelts sold, with an overall increase in association over time. The post-1970 component shows a decrease in relative value, r = 0.41 to -0.29, at the 6 Year point, then increasing to r = -0.03 and -0.04, at the 7 and 8 Year points of the correlation coefficients. As with the pre-1970 component there is a positive correlation between the price per pelt and the number of pelts sold for the first three years. However, the post-1970 trend shows a decrease in overall association until at the 4 year lagged correlation point, the coefficient value becomes negative implying that as the number of pelts increases the price per pelt decreases.

Table 3 and Figure 16 show the correlation coefficients calculated between the number of pelts sold and the price per pelt offered for ermine. For the province, from 1919/20 - 1993/94, the coefficients are very consistent throughout the time lagged sequence, with values ranging between r = -0.32 and -0.44. This stable negative association implies that the number of animals taken in a given year is not related to the price per pelt offered. The stability of the 1919/20 -1993/94 segment is due to the combination of the pre-1970 and post-1970 components, which produce the total average. The pre-1970 coefficient values range from r = 0.02 to -0.41, whereas the post-1970 values range from r = -0.38, up to -0.29, at the 1 Year point, decreasing to r = -0.85, at the 5 Year point, then increasing to r = -0.59, by the 8 Year point. The product of these two components combines to give the stable average as seen in the 1919/20 - 1993/94 component. It is interesting to note that in the post-1970 component the negative correlation values increase in relative or absolute amount. That is, as the number of pelts increases, the price per pelt decreases, with the 5 Year lagged correlation value of -0.85, indicating an extreme negative association or affinity.

If trappers are targeting specific fur-bearer species based on the price per pelt, then one would expect to find large positive correlations between the number of pelts sold and the price per pelt. One would expect a trapper to target a species based on the previous years price, since the trapper would not know the price offered for the current year until the fur auctions which occur in the later part of the trapping season. Also, the trapper would base his/her decision not just on the previous year but on the past number of years, thus the reason for the 8 year lagged correlation analysis.

Manitoba Sectional Fur Return Analysis

Most of the research on mink has been centred in the large prairie pot-hole/marsh regions with very few studies being conducted in the expansive northern boreal forest region of North America. This is an interesting point when one examines the Manitoba provincial furreturns, which list some of the most productive mink producing areas as Brochet, Pukatawagan and Cross Lake, in the northern taiga region of the province (Johnson 1989). Annual fur-returns were consulted for seven Registered Trapline (RTL) sections in the southeastern portion of the province of Manitoba, and one RTL section from the western portion to act as a comparison.

These eastern RTL sections represent the southern-most extent of the northern boreal forest, or taiga, in Manitoba. This region has had some development, with mineral extraction, forestry and limited hydroelectric production being the major industries present. There are numerous towns and hamlets scattered throughout the southern portion of the study area, with fewer settlements in the northern portion. For the most part, the region remains relatively undeveloped, with numerous lakes, rivers, and large tracts of undisturbed forest. This lack of development is primarily due to the general inaccessibility of the region. The northern-most permanent roadway is in the Hole River section. There are a few seasonal roadways into the other sections, but these are primarily winter roads and are only usable for a few months a year. The traplines located within the study area are relatively stable with the

majority of lines remaining within families and/or tribes and bands for several generations. This region has historically been a trapping area, with the other industries, such as forestry, mining, and hydroelectric production, slowly gaining significance.

As detailed in the introduction, these seven RTL sections exhibit different boreal forest biomes, with the Northern Coniferous zone being the most widespread. One of the most significant differences between the various zones is the variation in gross topography, which is due to glaciation. The Northern Coniferous zone is covered by irregular, rocky ridges, which separate long narrow lakes and bogs. These ridges were left behind when the Wisconsinan glacier retreated. The next most widespread forest biome is the Nelson River zone. This zone is relatively flat, as compared to the Northern Coniferous zone, due to being covered by glacial Lake Agassiz, which deposited clays and gravel into the above-noted irregularities. This zone has extensive bogs but not as many narrow lakes. Along the northwestern shore and down the eastern side of Lake Winnipeg is the Manitoba Lowlands zone. Much like the Nelson River zone, this area is relatively flat and covered by large bogs and meadows. The Lower English River zone is similar to the Manitoba Lowlands, in that it is relatively flat but does not have the extensive bogs. Finally, there is the Quetico zone, which exhibits strongly glaciated terrain with numerous rock-rimmed lakes.

It is this glaciated terrain which may have an effect on the mink populations. Allen (1986) postulated a habitat suitability index model for mink. One of the key components of the model is the availability of suitable wetland habitat. Allen compiled the findings of various authors, and determined that irregular and diverse shorelines of wetland habitats with dense vegetation are more suitable for mink than wetlands with straight, open, exposed shorelines. Therefore, the RTL sections with the irregular topography and numerous narrow lakes and

bogs would be more suitable for mink than areas which do not exhibit these traits.

The western RTL section is within the Duck Mountain Provincial Forest. This area has had a limited forestry practice in the past. However, presently there are large scale cutting operations being conducted by various logging companies within the boundary of the provincial forest and the Duck Mountain Provincial Park. In addition to the devastating forestry operations, there is a growing tourist industry which also has a dramatic impact on the land and animals therein. More tourists mean more roads, which results in more forest being cut to provide right-of-ways. Further, more tourists mean more camping facilities are needed, which also impacts the forest. The overall result is a splintered mosaic of forest and open areas, which has dire consequences for the wildlife within the region, since loss of habitat is one of the leading causes of population decline.

Unlike the eastern RTL sections, this western region is covered by the Mixedwood forest zone, dominated by a mixture of deciduous and coniferous plant species. Glaciation of this area has resulted in a well-drained rolling terrain with few bogs. Therefore, unlike the eastern RTL sections, this western section, which has fewer bogs and marshes, should be less suitable for mink. This western RTL section was also selected to act as a control in the event that eastern mink populations were being affected by epizootics, or other detrimental factors, such as mercury, PCBs, or pesticides. However, as the scope of this study evolved, I was not able to examine for these agents.

The fur-return records for the various sections were consulted and the number of animals caught per year were plotted (Figures 17 - 24). Due to the large scale of the returns for muskrat, any visible trend for mink and ermine was obscured. To compensate for this
extreme difference in numbers, all of the fur-return data were transcribed to the logarithm base 10 (Log10). The results of this transformation were plotted (Figures 25 - 31), but no trends were apparent. Therefore, the original data were analyzed using the autocorrelation formula to determine if there were any trends within and between the three species.

Sectional Intraspecific Analysis

Like the provincial fur-returns, the sectional harvest data for the three species were analyzed using the autocorrelation formula (Table 6). The intraspecific results of each section were graphed together to show any possible conjunction between the various areas.

Figure 33 shows the correlation coefficients calculated for mink from each section. It is interesting to note that almost every section displayed a different series of correlation coefficients, with no sections showing agreement. Some of the sections hint at a possible 8-year or longer cycle: Berens River, Bloodvein, Little Grand Rapids, and Whiteshell. Other sections show a possible shorter 4-year cycle: Hole River and Pauingassi, while Duck Mountain and Lac Du Bonnet sections do not show any discernable trend.

The provincial results show a clear 8-year cycle, which may be due to the accumulation of varied sectional data. That is, each section may show a different trend, but the accumulative result being a blending of the various cycles. The overall result is the provincial 8-year cycle. One possible explanation for the differences among the sections is the limited range of furreturns used. For most sections, I was able to examine the fur harvest records back to approximately 1961/62. The Manitoba Department of Natural Resources provided almost thirty years of fur-return data, with only a few years missing. The missing years are possibly

due to records being removed in order to compile annual reports. If the mink in Manitoba do express an 8-year cycle, then thirty years of fur returns should allow for 3.75 cycles. However, one must keep in mind Chatfield's (1989) discussion on the length of time required by lagged autocorrelation analysis and the minimum number of "year - year" pairings required. Chatfield stipulated that an autocorrelation analysis should not proceed beyond the total number of record years, N, divided by four, N/4. In this instance, the majority of the sectional analyses should not proceed past 30/4 = 7.5 years out of sequence. Since the provincial mink cycle is 8-years in length, the correlation coefficients calculated for the sectional results will fall outside this statistically allowable parameter. Thus the difference in mink population trends among the RTL sections.

There is the possibility that the topography may have an effect on the mink population. Berens River, Bloodvein and Little Grand Rapids RTL sections hint at a possible 8-year cycle. These three sections have areas of the Nelson River forest type, which is characterized by relatively flat topography covered by bogs and black spruce intermixed with stands of birch, aspen, poplar and fir (Rowe 1972). However, Hole River RTL section which also has areas of Nelson River forest type, exhibits a possible 4 -year cycle, not the possible 8-year cycle seen in the other three sections. The Whiteshell RTL section also exhibits a possible 8-year cycle. This section is removed from the topography of the Berens River, Bloodvein and Little Grand Rapids sections. The Whiteshell section consists of the Lower English River and Quetico forest types, which are primarily deciduous species such as aspen, birch, and popular, intermixed with white spruce and some pine (Rowe 1972). The Lac Du Bonnet section, which is located between the Hole River and Whiteshell sections, does not exhibit any discernable trend, nor does the Duck Mountain RTL section. Therefore, there is no detectable topographical explanation for the difference among the RTL sections. Figure 34 shows the population trends for muskrat from the different sections. As with the mink analysis, almost all of the sections express different trends. A number of the sections suggest a possible 9 - 10 year cycle: Bloodvein, Lac Du Bonnet, Little Grand Rapids and Whiteshell. Berens River exhibits a possible 4 year cycle, while Duck Mountain and Pauingassi show a declining linear trend. Hole River does not show any discernable trend.

Like the mink analysis above, the muskrat analysis does not show any discernable trend among the different sections. This agrees with the provincial results, which showed no observable population cycle or periodicity. The reason for this lack of periodicity may be due to the limited length of fur-return records consulted, as mentioned above. A possible cycle or trend could become evident if a longer period of harvest data had been consulted.

With the exception of Hole River, the southernmost RTL sections, Bloodvein, Lac Du Bonnet, Little Grand Rapids, and Whiteshell, exhibit a possible 9 to 10-year muskrat cycle. No specific topographical feature can be found connecting these sections with regards to the possible muskrat cycle. Berens River exhibits a 4-year cycle, which may be due to the number of narrow lakes and bogs found between the glacial ridges in the Northern Coniferous forest type. However, this forest type is found exclusively in Pauingassi, which shows a declining trend in the muskrat population over time. Duck Mountain also expresses the same general declining results as those found in Pauingassi. Therefore, as with the mink analysis, there is no detectable topographical explanation for the difference among the RTL sections.

Figure 35 shows the calculated coefficients for ermine from each section. With only a few exceptions, no discernable trends were observed for all sections. The Bloodvein section

shows two minor peaks at the 2 and 7 year points, Duck Mountain hints at a possible 5 year cycle, while Pauingassi shows a possible 4 year cycle.

As mentioned above, this lack of periodicity in the sectional results may be due to the limited length of fur-return records consulted. A possible cycle or trend could become evident if a longer period of harvest data had been consulted. However, this lack of periodicity was also found in the provincial ermine fur harvest results, which covered a period from 1919/20 to 1993/94. Therefore, the lack of any discernable trend for the ermine may be due to other unknown factors.

There is no detectable topographical explanation for the lack of periodicity in the ermine population among the RTL sections. The three sections that show possible trends/cycles, Bloodvein, Duck Mountain and Pauingassi, are separated by distance and consist of different forest cover types. Ultimately, this lack of cyclicity may be due to the grouping together of the different weasel species. If the different species could be separated within the fur harvest records, then a possible cycle may emerge.

In addition to the above noted reasons, the discrepancy between the sections may be due to various factors such as: the amount of precipitation which affects the water table and in turn the size of wetlands; the availability and quality of food resources; and external factors such as pollution and human activity. Conversely, there could be actual differences in the periodicity of the mink, muskrat and ermine populations between the sections. Unfortunately, this possibility would require more research and examination of older annual fur harvest records.

Sectional Interspecific Analysis

As with the analysis of the provincial fur harvest data, the fur-returns for mink, muskrat, and ermine were examined to determine if there was any association between the three species (Table 7).

Figure 35 shows the level of association between mink and muskrat populations for each RTL section. Little Grand Rapids and Whiteshell sections show higher levels of association occurring at the 2 year point, similar to that found in the provincial interspecific analysis. Berens River, Bloodvein and Lac Du Bonnet sections show a higher level of association at the 4 year point. Duck Mountain and Pauingassi show declining linear trends, while Hole River exhibits peaks at the 2 and 5 year points.

Both Berens River and Bloodvein sections exhibit a 4-year cycle of association between mink and muskrat. This could be possibly due to both sections sharing similar topographical features. However, this does not explain the 2-year cycle found in Little Grand Rapids and the declining trend found in the Pauingassi section, both of which share similar forest types with Berens River and Bloodvein. The difference in the Pauingassi results may be due to the limited number of annual fur-returns available for this section. The Pauingassi RTL section was created just prior to the 1982/83 season, with traplines from Berens River and Little Grand Rapids sections. The result is a very limited number of returns on which to base the above analysis. Had there been more data available, there is the possibility that Pauingassi would also exhibit the 4-year phase lag in association. There is also a notable difference in the cycle of association among Hole River, Lac Du Bonnet, and Whiteshell sections, which share some common topographical features. The Whiteshell section exhibits a peak at the 2 Year point, consistent with the overall provincial results, while Lac Du Bonnet, which is the section immediately north of Whiteshell, shows a dramatic peak at the 4 Year point. Hole River, which is further north, shows two peaks, possibly indicating two separate distinct populations of muskrat interacting with one population of mink, or vice versa.

Bulmer (1974) offers several factors that would affect the phase lag between the prey cycle and the predator cycle: (1) The age at first breeding. Predators with a short reproductive cycle are able to exploit any increase in the prey population better. Mink have a very short reproduction cycle, with females being able to produce their first litter at one year of age (Eagle & Whitman 1987). Other predators that have longer reproductive cycles, such as fishers that have delayed implantation (Douglas & Strickland 1987), are not able to adapt quickly to changes in prey populations; (2) The changing age structure of the population. Some predators may have very low survivability from one age class to the next, with the result being a relatively young population. On the other hand, predators could have very high survivability, resulting in a mixed age population. Survivability and age class have an effect on reproduction and hunting technique/success; (3) Switching to alternative food. If the preferred prey population decreases to a critical point, predators may switch to other, more abundant or easier prey items. This shift in predation pressure will allow the typical prey species to regain their numbers. A switch to alternate food will only occur if there is a second prey item available; (4) Density-dependent factors affecting both the predator and prey populations. If the population increases to a critical point, then several density-dependent factors could arise, resulting in a decline in both quality and quantity of prey and predators. Such elements as spatial distribution, territoriality, intraspecific predator interference and disease, are all examples of density-dependent factors (Begon & Mortimer 1986).

As with the provincial analysis, the fur-return data of mink were compared to the fur-return data of ermine for each section to determine if there is any association between these two species. Berens River shows comparable results to that found in Pauingassi. Both sections share similar forest types and exhibit a 4-year cycle, implying that the population of mink peak 4 years after the ermine. Bloodvein and Little Grand Rapids also share similar topographical features and results, with both sections expressing a 3-year cycle. Hole River shows high levels of association between mink and ermine in the same year and three years later. Lac Du Bonnet also shows a high level of association in the same year, but also at the 2 Year point. Finally, Whiteshell shows a declining trend from a relatively high level of association in the same year. This shift to high levels of association in the Same Year for Hole River, Lac Du Bonnet and Whiteshell may be due to differences in the overall topography of these areas as compared to the other eastern sections. The Duck Mountain sectional results show a high level of association at the 4-year point, similar to that found in Berens River and Pauingassi sections.

If the ermine and mink were competing for the same food resource, one would expect to find a moderate to high level of negative correlation, or a possible positive correlation occurring three to five years out of sequence (based on the mink exhibiting an 8-year cycle). Therefore, the mink and ermine populations in Berens River, Bloodvein, Little Grand Rapids and Pauingassi are responding in a predator-exclusion manner. There is evidence that mink and ermine in the remaining eastern sections are exhibiting high levels of association at the same time. This may be due to an increase in terrestrial prey which could support large populations of both mink and ermine, or an increase in non-terrestrial prey which could support the mink population independent of the ermine. To complete the interspecific analysis, the fur-returns of muskrat were compared to the furreturns of ermine for each section. As mentioned in the provincial analysis, this comparison of two non-related species is an example of a nonsense correlation. The results of this analysis (Figure 38) show great variation in trends among the different sections. Berens River and Lac Du Bonnet hint at a possible 9 to 10-year cycle, while Bloodvein shows a peak in association at the 1 Year point. Hole River exhibits moderate levels of association at the Same Year and 6 Year points. Little Grand Rapids peaks at the 2 Year point, as Pauingassi exhibits three possible peaks at the 1, 5 and 8 Year points. Whiteshell shows relatively high levels of association at the Same and 1 Year points then decreases to low coefficient values, whereas Duck Mountain shows two distinct peaks at the 3 and 7 Year points.

Any association between these two species may be due to environmental factors favourable to both the muskrat and the prey of the weasels, and not the result of predator/prey interaction. The 9 to 10-year cycle hinted at in Berens River and Lac Du Bonnet could be due to the limited amount of fur-harvest data consulted. Chatfield's (1989) formula results in a correlation analysis limited to 4.5 years for Berens River due to the limited number of fur records available, N = 18. The highest level of association between muskrat and ermine occurred in the Little Grand Rapids section, which shows relatively high coefficient values. There are no similar trends found in the sections surrounding this area. Therefore this high level of association in Little Grand Rapids may not be due to topographical features, since other sections share common forest types. It is interesting to note the distinct peaks at the 3 and 7 Year points in the Duck Mountain section. This section also shows a very low level of association at the Same Year point indicating that the two species are not related.

Northwestern Ontario Fur Return Analysis

In order to determine if there was any difference in population cycles between Manitoba RTL sections bordering Lake Winnipeg and those away from the lake, fur-return records were consulted from two northwestern Ontario trapping regions, Kenora and Red Lake, which were divided into five corresponding areas. The Ontario fur-returns were analyzed in the same fashion as the Manitoba provincial and sectional returns. Unfortunately, Ontario Ministry of Natural Resource officers do not seal or stamp muskrat pelts and therefore some Registered Trapline regions do not have annual muskrat harvest data. This is the case for the fur harvest data from the Kenora RTL region. Though the muskrat pelts were not sealed, other regions did continue to keep a record of the number of animals taken per year. Since the muskrat fur-return data are limited, only the intraspecific correlation analyses were conducted.

Northwestern Ontario Regional Analysis

The Kenora and Red Lake regional fur-returns were analyzed using the correlation formula outlined above. Figure 45 shows the correlation coefficients calculated for mink, muskrat and ermine in the Red Lake region. The mink exhibit a distinct 9-year cycle. This is one year greater than the 8-year cycle calculated above for Manitoba, but is also closer to the 10-year cycles determined by Butler (1953) and other authors (see Finerty 1980).

The coefficients calculated for the muskrat harvest data show a general decline over time, with only a slight peak at the 5 Year point. This is consistent with the declining trend noted above for the Manitoba provincial muskrat analysis. As with the calculated Manitoba trend, the Red Lake data contradict the 10-year cycles found by Elton and Nicholson (1942) and Butler (1953).

The ermine caught within Red Lake RTL region show a possible cycle with peaks occurring at the 3 and 8 Year points. However, the peak at the 3 Year point does not fit with a clean 4-year cycle. This may be a result of the generally low numbers of ermine caught per year, which may be a factor of price or the amount of effort required to prepare the pelt. If more ermine were caught, the population trend may become clearer. This possible cycle is contrary to the stable high level of association calculated for the Manitoba ermine above, as well as to the results found by other authors (Bulmer 1974, see Finerty 1980).

Figure 44 shows the correlation coefficients calculated for mink and ermine within the Kenora RTL region. As mentioned above, the Kenora region did not keep records of the number of muskrats caught per year, and therefore are not included in this intraspecific analysis. The mink from this region show a 7 to 9-year cycle. The discrepancy in cycle length is due to a slight decrease in the coefficient value between the 7 and 9 Year points. This cycle corresponds to the calculated 8-year mink cycle for Manitoba.

The ermine caught within the Kenora RTL region do not show any discernable trend in association. This is contrary to the stable high level of association calculated for the Manitoba ermine above. However, this lack of periodicity is consistent with the results found by other authors (Bulmer 1974, see Finerty 1980).

Northwestern Ontario Sectional Analysis

To determine if Lake Winnipeg and its surrounding lowland topography have any affect on the annual fur-return data, Ontario fur harvest results were divided into five sections and compared to the five Manitoba sections that border with Ontario, namely Pauingassi, Little Grand Rapids, Hole River, Lac Du Bonnet and Whiteshell (see Figure 39). The Registered Traplines within the Kenora and Red Lake regions were divided among the five Ontario areas mentioned above (Figures 46 - 50). The harvest data were analyzed similar to the data for the Manitoba sections, and the results graphed (Figures 51 - 55).

Northwestern Ontario (NWO) section A, which corresponds to Pauingassi, shows the mink as exhibiting an 8-year cycle, which is contrary to the 4-year cycle seen in Pauingassi. The coefficients calculated for muskrat express a slightly declining trend, similar to that found in Pauingassi, but the values are larger on the Ontario side. The ermine show a possible 3.5year cycle with peaks occurring between the 3 and 4 Year points, the 7 Year point, and increasing at the 10 Year point. This trend is close to the 4-year cycle shown in Pauingassi. This high level of correspondence between the two RTL sections implies a common factor or set of factors. One such factor could be topography, since both sections are located within the Northern Coniferous forest zone.

Northwestern Ontario section B corresponds to Little Grand Rapids RTL section. Though the later coefficients are low in value, there is indication of a 9-year cycle for mink. The coefficients calculated for the Little Grand Rapids data indicate a possible 8-year or longer cycle, though the cycle is relatively flat in appearance. The muskrats caught within this section show an overall declining trend with a slight peak occurring at the 5 Year point. In contrast, the Little Grand Rapids results show a possible 8-year or longer cycle. The Ontario ermine results show the possibility of an 8-year cycle with a small positive peak occurring at the 8 Year point. In contrast, the Little Grand Rapids analysis shows a high level of association at the 3 Year point, then a general decline over time. These two sections do not show the same degree of correspondence as do Pauingassi and NWO section A. Though most of Little Grand Rapids and the whole of NWO section B share the same forest type, Northern Coniferous, there is a portion of Little Grand Rapids which is covered by the Nelson River type biome. This could explain the differences in population analyses between these two sections.

Northwestern Ontario section C corresponds to Hole River RTL section. Like the above NWO area, this section shows a 9-year cycle in the mink population, which is contrary to the 4-year cycle found in Hole River. As well, the muskrat population in this NWO section exhibits a notable 4-year cycle, whereas Hole River expresses a possible 6 year cycle. The ermine caught within this section also exhibit a possible 4-year cycle, with peaks occurring at the 4 and between the 8 and 9 Year points. In comparison, the ermine population in Hole River exhibits a 5-year cycle. This discrepancy between these two sections may be due to the differences in forest cover. Hole River is a mixture of four different forest zones: Northern Coniferous, Nelson River, Manitoba Lowlands and Lower English River, while NWO section C is comprised of two: Northern Coniferous and Lower English River. Hole River also borders onto Lake Winnipeg, and therefore may be affected by such factors as weather patterns which traverse the lake, or water-table height which affects the amount of wetlands edging the lake.

Northwestern Ontario section D corresponds to Lac Du Bonnet RTL section. This section

is composed of Registered Traplines from both the Red Lake and Kenora regions. This may explain why the coefficients calculated for mink do not show any discernable trend, with peaks at the 2, 4 and 9 Year points. This agrees to a limited extent with the returns for Lac Du Bonnet, which show peaks at the 2 and 7 Year points. The muskrats show a possible 6year cycle which is contrary to the 8-year or longer cycle found in Lac Du Bonnet. Finally, the Ontario ermine returns show a 7-year cycle, opposite to the slight peak at the 2 Year point then general decline, found in Lac Du Bonnet. The notable discrepancy between these two sections may be due to topography as mentioned above, but may be influenced to a greater degree by the mixing of fur-harvest data from the Ontario regions. Lac Du Bonnet section also borders onto Lake Winnipeg, and therefore is subjected to the same factors as noted for Hole River.

Finally, Northwestern Ontario section E corresponds to Whiteshell RTL section. This NWO section shows the mink as having a 10-year or greater cycle, as compared to the 8-year or greater cycle noted in the Whiteshell. Although the Kenora region has discontinued the recording of muskrats caught per year, there was a limited number of records from prior to the 1971/72 trapping season. These early returns were used to calculate correlation coefficients, which are shown in Figure 55. Since there were very few years available, the correlation analysis shows an overall decline in the level of association for muskrat. The Whiteshell returns show a possible 8-year or greater cycle for muskrat. The ermine caught within this NWO section, also show a general decline over time with no cycle or trend detectable. This corresponds to the ermine results in the Whiteshell RTL section, which show no discernable trend. With the above exception of the muskrat, the two sections agree in the comparison of population trends between the mink and ermine. This agreement could be due in part to both sections sharing common types of forest cover: Lower English River and

Quetico.

There is a noticeable difference in the quality of the fur-return records when one compares the Manitoba data to the Ontario data. The Ontario fur-harvest data produce very clean, correlation results, with all three species exhibiting population cycles in some degree. The Manitoba fur-harvest data do not produce the same quality of results. This degradation could be due to the absence of many of the annual records, or to the method of recording the number of animals caught. The Ontario Ministry of Natural Resources officers seal all pelts prior to sale. This provides the Ministry with very accurate reports on the actual number of animals caught. This system of recording fur-harvest results does not exist in Manitoba. Until the late 1960s, trappers in Manitoba recorded the number of animals caught per year on the back of their licenses. This record had to be filled out prior to a new license being issued each year. After 1969, trappers did not have to record their catches on the licenses. From that point onward, it was the responsibility of the fur-buyers to prepare statements on the fur purchased from trappers (D. Stardom pers. comm.). This early system of trappers recording their own catches could lead to misleading or inaccurate totals, either by accident or purpose. The current system in Manitoba, where the fur-buyers record the number of pelts sold, is an improvement over the old "licence-based" system.

CONCLUSIONS

The first null hypothesis, H_01 a) mink: was rejected due to evidence that the provincial population of mink exhibited an 8-year cycle. H_01 b) and c) were not rejected because the provincial populations of muskrat and ermine do not exhibit any cyclicity or periodicity.

 H_o2 a) mink versus muskrat: was rejected. There was evidence of interspecific cyclic association between mink and muskrat. The null hypotheses H_o2 b) and c) were not rejected due to no evidence of interspecific cyclic association occurring between mink and ermine, and muskrat and ermine.

The third null hypothesis, H_03 was rejected. H_03 a) mink: was rejected due to evidence of a slightly cyclic, negative correlation between the number of mink pelts sold and the price per pelt offered. H_03 b) muskrat and c) ermine: were rejected. There are moderate, negative correlations between the numbers of muskrat and ermine caught and the price per pelts offered.

 H_04 a) mink: was rejected. There is evidence that the sectional population of mink exhibit an 8-year cycle for Berens River, Bloodvein, Little Grand Rapids, and Whiteshell. There is also evidence of a 4-year cycle found in Hole River and Pauingassi. There is evidence of 8-, 9-, and 10-year cycles in mink populations in Northwestern Ontario sections A, B, C and E. No cycles in population were found in Duck Mountain, Lac Du Bonnet and Northwestern Ontario section D. H_04 b) muskrat: was rejected. There is evidence of a 9 to 10-year cycle in the sectional population of muskrat for Bloodvein, Lac Du Bonnet, Little Grand Rapids and Whiteshell. There is evidence of a 6-year cycle in Northwestern Ontario section D. A 4-year cycle was found for Berens River and Northwestern Ontario section C. No evidence was found for population cycles in Duck Mountain, Hole River, Pauingassi and Northwestern Ontario sections A, B, and E.

H_o4 c) ermine: was rejected. There is evidence for population cycles of different lengths for ermine in Bloodvein, Duck Mountain, Pauingassi and Northwestern Ontario sections A, B, C, and D. No evidence of population cycles were found in Berens River, Hole River, Lac Du Bonnet, Little Grand Rapids, Whiteshell and Northwestern Ontario section E.

 H_05 a) mink versus muskrat: was rejected. There is evidence of a 2-year cycle of association in Little Grand Rapids and Whiteshell. There is evidence of a 4-year cycle of association in Berens River, Bloodvein and Lac Du Bonnet. There is no evidence of any discernable cycle in Duck Mountain, Hole River and Pauingassi.

 H_05 b) mink versus ermine: was rejected. There is evidence for cycles of association of different lengths in all Manitoba sections except Whiteshell.

 H_05 c) muskrat versus ermine: was rejected. There is evidence for cycles of association of different lengths in all Manitoba sections.

RECOMMENDATIONS

1. All fur-harvest data should be entered into a computer system which will allow easier use for future research. At this time, many of the older records are still in the original manilla spreadsheet format, which was filled in by hand, and are currently filed away in storage boxes. If the records were transcribed into an electronic format, such discrepancies as missing years or incorrect totals could be observed more readily and corrected.

2. There is a general lack of information regarding the mink, and to a lesser degree muskrat and ermine, in the boreal forest, or taiga, biome. Much of the research on fur-bearer species is conducted in compact areas with easy road or waterway access. Unfortunately, easy access to the area is usually the result of destructive human activity such as forestry, mining, or hydroelectric constructions. These destructive activities put undue stress on the wildlife of the area causing many species to disperse or alter their behaviours. Studies examining the impact of human activities and degradation of habitat due to development must be conducted in order to examine the effects on the mink, and other northern animals.

3. There is little information regarding the habitat selection, movement and food preferences of the mink in the boreal forest region. Since a large percentage of the annual mink harvest in Manitoba is from three northern boreal Registered Trapline sections (Johnson 1989), it is imperative to conduct population and telemetry studies in the taiga region, in order to understand the natural history of this animal.

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Provincial Fur Sales Statistics - Mink





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Provincial Fur Sales Statistics - Muskrats





Provincial Fur Sales Statistics - Ermine





Table 1.	Intraspecific correlation coefficients calculated based on 1919/20 - 1993/94 provincial fur
	returns of mink, muskrat and mink.

Correlation Values for Provincial Fur Totals											
	Mink vs Mink			Muskrats vs Muskrats			Ermine vs Ermine				
	incial Totals 9/20 - 1993/94	rincial Totals 3/20 - 1969/70	incial Totals 0/71 - 1993/94	incial Totals 3/20 - 1993/94	incial Totals 3/20 - 1969/70	incial Totals)/71 - 1993/94	incial Totals 3/20 - 1993/94	incial Totals 3/20 - 1969/70	incial Totals 0/71 - 1993/94		
	Prov 1919	Prov 1919	Prov 197(Prov 1919	Prov 1919	Prov 197(Prov 1919	Prov 1919	Prov 197(
1 Year out	0.62	0.55	0.58	0.84	0.81	0.64	0.86	0.69	0.64		
2 Years out	0.35	0.28	0.33	0.62	0.52	0.21	0.82	0.62	0.50		
3 Years out	0.07	-0.04	0.03	0.49	0.31	0.39	0.85	0.69	0.21		
4 Years out	-0.04	-0.19	-0.16	0.43	0.20	0.71	0.82	0.59	0.11		
5 Years out	-0.09	-0.20	-0.29	0.38	0.18	0.57	0.77	0.49	0.11		
6 Years out	-0.01	-0.08	-0.21	0.34	0.14	0.28	0.77	0.48	-0.03		
7 Years out	0.23	0.20	0.13	0.32	0.12	0.33	0.75	0.44	0.00		
8 Years out	0.45	0.44	0.25	0.33	0.13	0.47	0.76	0.43	-0.09		
9 Years out	0.43	0.40	0.29	0.35	0.13	0.39	0.70	0.28	-0.21		
10 Years out	0.35	0.38	0.07	0.32	0.08	0.20	0.67	0.19	-0.11		

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10 Years out 9 Years out 8 Years out 7 Years out 1919/20 - 1993/94 1919/20 - 1969/70 1970/71 - 1993/94 Number of Years Out of Sequence 6 Years out ---- Provincial Totals · - Provincial Totals 5 Years out Years but 4 3 Years out 2 Years out Year out -0.60 0.70 -0.30 0.50 0.40 0.30 0.10 -9.10 0.20 0.0 -0.20 Correlation Value



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Correlation Values for Mink





Figure 6. Correlogram for intra specific analysis of provincial muskrat fur returns.

Correlation Values for Ermine



Figure 7. Correlogram for intraspecific analysis of provincial ermine fur returns.

Correlation Values for Provincial Fur Totals Muskrat vs Ermine Mink vs Muskrat Mink vs Ermine ł 1919/20 - 1969/70 1919/20 - 1969/70 으[Provincial Totals 러 1919/20 - 1969/70 o Provincial Totals 8 1919/20 - 1993/94 1970/71 - 1993/94 c Provincial Totals 없 1919/20 - 1993/94 o Provincial Totals 91970/71 - 1993/94 1970/71 - 1993/94 **Provincial Totals Provincial Totals** Provincial Totals Same Year 0.43 -0.15 0.80 0.27 1 Year out 0.49 0.32 0.60 0.21 0.51 0.23 0.51 -0.25 0.64 t ļ 2 Years out 0.60 0.51 0.50 0.29 -0.11 0.51 0.33 0.56 0.40 **3 Years out** 0.58 0.53 0.28 0.29 -0.08 0.28 0.64 0.46 0.23 4 Years out 0.51 0.44 0.31 0.37 0.06 0.14 0.45 0.11 0.63 5 Years out 0.42 0.30 0.46 0.00 0.51 0.37 0.07 0.08 0.63 0.29 6 Years out 0.13 0.30 0.33 0.01 -0.05 0.52 0.08 0.67 ì 7 Years out 0.25 0.04 0.22 0.40 0.12 0.00 0.18 0.64 0.46 i 8 Years out 0.27 0.05 -0.03 0.16 0.40 0.46 0.19 0.63 0.43 Ī 9 Years out 0.57 0.31 0.06 0.41 0.04 -0.02 0.59 0.34 -0.25 10 Years out 0.34 0.13 0.47 -0.29 0.4 -0.03 80.0 0.6 0.34

Table 2. Interspecific correlation coefficients calculated based on 1919/20 - 1993/94 provincial fur returns of mink, muskrat and ermine.



Correlation Values for Mink vs Muskrat

Figure 8. Correlogram for interspecific analysis of provincial fur returns: Mink versus Muskrat.

Correlation Values for Mink vs Ermine





Correlation Values for Muskrat vs Ermine





Provincial Totals of Mink Pelts Sold



Price per Pelt



Provincial Totals of Muskrat Pelts Sold



Figure 12. Manitoba fur return totals for muskrat with price per pelt offered: 1919/20 - 1993/94.

Provincial Totals of Ermine Pelts Sold



Price per Pelt

Figure 13. Manitoba fur return totals for ermine with price per pelt offered: 1919/20 - 1993/94.
	(Correlati	on Value:	s for Provi	ncial Fu	Totals v	s Price		
	M	ink vs Pi	rice	Mus	skrat vs	Price	Err	nine vs F	Price
	Totals 1993/94	Totals 1969/70	Totals 1993/94	Totals 1993/94	Totals 1969/70	Totals 1993/94	Totals 1993/94	Totals 1969/70	Totals 1993/94
	Provincial 1919/20 -	Provincial 1919/20 -	Provincial 1970/71 -	Provincial 1919/20 -	Provincial 1919/20 -	Provincial 1970/71 -	Provincial 1919/20 -	Provincial 1919/20 -	Provincial 1970/71 -
Same Year	-0.12	0.11	0.21	-0.20	0.19	0.41	-0.33	0.02	-0.38
1 Year out	-0.15	0.13	-0.01	-0.21	0.23	0.33	-0.32	-0.07	-0.29
2 Years out	-0.20	0.24	-0.50	-0.21	0.34	0.21	-0.32	-0.06	-0.40
3 Years out	-0.15	0.33	-0.44	-0.17	0.48	0.13	-0.37	-0.21	-0.57
4 Years out	-0.10	0.45	-0.63	-0.17	0.54	-0.04	-0.39	-0.25	-0.84
5 Years out	-0.04	0.55	-0.63	-0.21	0.52	-0.26	-0.42	-0.27	-0.85
6 Years out	0.00	0.52	-0.52	-0.25	0.41	-0.29	-0.43	-0.27	-0.73
7 Years out	-0.03	0.48	-0.47	-0.24	0.35	-0.03	-0.44	-0.38	-0.65
8 Years out	-0.07	0.33	-0.36	-0.25	0.34	-0.04	-0.41	-0.41	-0.59

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Table 3.	Correlation coefficients calculated for price per pett versus 1919/20 - 1993/94 provincial fur
	returns of mink, muskrat and ermine.

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Figure 14. Correlogram for analysis of provincial mink fur returns versus price per pett offered.









Figure 16. Correlogram for analysis of provincial ermine fur returns versus price per pett offered.

Table 4. Fur return totals of mink, muskrat and ermine for each Manitoba Registered Trapline section.

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				Total	Fur Pa	oductio	In for each	Registered T	rapline	Section	e				
		Jerens	River			Bloo	dvein			Duck N	lountain		£	le River	
Year	Mink	Muskrat	enim3	Year	Mink	Muskrat	Smine	Year	Nink	Muskrat	ənimā	Year	Aink	Auskrat	ənimi
54/56				54/56				54/56		8		54/56	v	V	3
56/57				56/57				56/57				56/57			
57/58				57/58				57/58				57/58			
58/59				58/59				58/59				58/59			
59/60				29/60				59/60				29/60			
60/61				60/61				60/61				60/61			
61/62				61/62	133	250	104	61/62	325	729	358	61/62			
62/63			-	62/63	61	726	95	62/63	330	828	445	62/63	82	384	83
63/64				63/64	47	1018	95	63/64	226	1711	636	63/64	74	1195	113
64/65				64/65	37	1577	89	64/65				64/65			2
65/66				65/66	68	1362	201	65/66	288	2436	568	65/66			Ι
66/67				66/67	31	1711	55	66/67	95	1297	115	66/67	68	967	72
67/68				67/68	87	099	121	67/68				67/68	81	670	45
68/69				68/69	250	492	154	69/69	488	1406	875	68/69	216	527	144
69/70				69/70	111	607	39	69/70	539	1816	375	69/70	76	760	6
10/1				12/01				70/71	364	3951	255	70/71	38	604	0
71/72	2	179	+	71/72	148	115	20	71/72	339	8927	199	71/72	109	æ	30
72/73	65	8 S	32	72/73	46	136	11	72/73	538	3733	255	72/73			
73/74	24	131	14	73/74	13	120	4	73/74	368	579	132	73/74	24	390	54
74/75	43	1884	95	74/75	30	559	112	74/75	313	2086	370	74/75	32	1288	75
75/76	32	1117	87	75/76	32	496	127	75/76				75/76	48	1071	2
76/77	134	474	57	76/77	92	315	132	76/77				76/77	133	652	147
8///2	52	553	6	77/78			<u> </u> 	77/78				77/78	35	121	14
78/79	268	977	6	78/79		-		78/79				78/79			

79/80 70 70/80 70 <th></th> <th>-</th> <th></th> <th></th> <th>_</th> <th></th> <th>_</th> <th>_</th> <th>-</th> <th>_</th> <th>_</th> <th></th> <th></th> <th></th> <th>_</th>		-			_		_	_	-	_	_				_
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79/80 70 80/81 81/82 62 39 54 81/82 73 1995 73						370	209	360	287	244	84		139	107	52
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79/80 80/81 81/82 62 39 54 81/82 80/81 81/82 80/81 81/82 81/82 81/82 81/82 81/82 81/82 81/82 81/82 81/82 81/82 9 81/82 9 81/82 81/82 81/82 9 81/82 81/82 81/82 9 81/82 81/82 9 81/82 81/8		<u> </u>		 		73	161 1	183 2	272 1	147 1	135		74	122	46
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	79/80	80/81	81/82	82/83	83/84	84/85	85/86	86/87	87/88	88/89	06/68	90/91	91/92	92/93	93/94

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					20120	/0/00	57/58	58/59	59/60	60/61	61/62	62/63	63/64	64/65	65/66	66/67	67/68	68/69	69/70	70/71	71/72	72/73	7374	74/75	75/76	76/77	77/78	
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		Jrand	Auskrat	•								1292	1759	3832	5279	6555	4613	2271	1512	612			369	424	1708	1107	448	
			Anik	4	ļ							527	387	228	267	171	258	359	446	108			88	39	99	8	169	
			Year	54/56	58/57	K7/KB	0020	58/59	29/60	60/61	61/62	62/63	63/64	64/65	65/66	66/67	67/68	68/69	69/70	10/1	71/72	72/73	73/74	74/75	75/76	76/77	8////	
																												-
			enima									359	582	421		411	125	178	22	51	15	85	125	122	405	207	431	ç
		202	Muskrat									215	820	1220		501	497	233	428	290	545	gg	692	728	2381	1553	515	000
	-	Lac	Mink									191	303	18		8	161	208	28	<u>161</u>	2	176	8	8	112	1 8	349	S
			Year	54/56	56/57	57/58	EDIED	AC/OC	29/60	60/61	61/62	62/63	63/64	64/65	65/86	66/67	67/68	68/69	69/70	1/0/	71/72	72/73	73/74	74/75	75/76	76/77	8////	78/70

80/81 216 995 1 5 53 81/82 260 1061 1 6 53 81/82 260 1061 1 8 7 81/82 260 1061 1 8 7 81/82 260 1061 1 8 7 84/85 78 936 1 8 41 85/86 52 441 1 8 41 85/86 52 441 1 11 85/86 52 441 1 1 5 88/89 125 403 1 1 6 11 87/88 89 1126 1 3 90/91 100 51 403 1 2 91/92 403 18 1 1 3 90/91 100 51 1 1 0 92/93 94 18
75 255 53 81/82 260 106 75 255 53 82/83 93 330 34 234 30 83/84 93 330 46 429 7 84/85 78 938 54 213 41 85/86 52 441 56 312 41 85/86 52 441 56 312 41 85/86 52 441 56 312 41 85/86 52 441 56 312 41 85/86 52 441 56 11 87/86 89 1126 1126 21 30 5 88/89 125 403 42 35 9 88/89 125 403 38 50 3 90/91 100 51 48 3 9 90/91 100 51 10
75 255 53 82/83 93 330 34 234 30 63/64 7 82/83 93 330 46 429 7 84/85 78 936 441 54 213 41 85/86 52 441 56 312 41 85/86 52 441 56 312 41 86/67 37 295 19 165 11 87/88 89 1126 27 30 5 88/89 125 403 42 35 9 89/90 108 25 38 50 3 90/91 100 51 4 0 0 92/93 94 18
34 234 30 83/84 78 936 46 429 7 84/85 78 936 54 213 41 85/86 52 441 56 312 41 85/86 52 441 19 165 11 87/88 89 1126 27 30 5 68/89 125 403 27 30 5 88/89 125 403 27 30 5 99/89 125 403 38 50 3 90/81 100 51 18 32 2 91/92 94 18 4 0 0 92/83 94 18
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66 54 213 41 85/86 52 441 17 56 312 41 86/87 37 295 18 19 165 11 86/87 37 295 10 27 30 5 86/89 125 403 11 38 50 5 88/89 125 403 11 38 50 3 90/91 100 51 11 38 50 3 90/91 100 51 11 38 50 3 90/91 100 51 12 4 0 0 92/93 94 18
B7 56 312 41 86/87 37 295 4 B8 19 165 11 87/88 89 1126 4 B9 27 30 5 88/89 125 403 1 B1 38 50 3 90/81 106 25 4 B1 38 50 3 90/81 100 51 3 B2 18 32 2 91/82 94 18 3 B4 4 23 0 92/93 94 18
88 19 165 11 87/88 89 112/6 1 89 27 30 5 88/89 125 403 1 90 42 35 9 88/89 125 403 1 91 38 50 3 90/91 100 51 1 92 18 32 2 91/92 91/92 1 100 51 1 93 4 0 0 92/93 94 18 1 10 51 1
89 27 30 5 88/89 125 403 8 90 42 35 9 89/80 108 25 4 91 38 50 3 90/81 100 51 5 92 18 32 2 91/82 94 18 93 4 0 0 92/83 94 18
190 42 35 9 69/90 108 25 4 101 38 50 3 90/91 100 51 7 102 18 32 2 91/92 94 18 103 4 0 0 92/93 94 18
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92 18 32 2 91/92 91 93 4 0 0 0 92/93 94 18 18 94 4 23 0 93/94 55 110
93 4 0 0 92/93 94 18 94 4 23 0 93/94 55 110
94 4 23 0 93/94 55 119



Fur Production for Berens River Trapline Section

Figure 17. Fur return totals of mink, muskrat and ermine for Berens River Registered Trapline section.



Fur Production for Bloodvein Trapline Section

Figure 18. Fur return totals of mink, muskrat and ermine for Bloodvein Registered Trapline section.





Figure 19. Fur return totals of mink, muskrat and ermine for Duck Mountain Registered Trapline section.





Figure 20. Fur return totals of mink, muskrat and ermine for Hole River registered Trapline section.



Fur Production for Lac Du Bonnet Trapline Section







Figure 22. Fur return totals of mink, muskrat and ermine for Little Grand Rapids Registered Trapline section.













Table 5. Transformed (Log10) fur return totals of mink, muskrat and ermine for each Manitoba Registered Trapline section.

	S+enim3 po	ר						2 03		DD	RR'I	05	2.31	1.76	2.09	2.19	161	2	1 24	ちく	D.C	2.0
	S + ənimi	3					!	16	36	5	2	5	203	57	123	156	44	F	Ę	y r	20	0
	ənimi	3						12	5			8	507	55	121	154	9	8	20	2	=	* •
	S+terkrat+2	ז	T	T	T	T		20	L C	36	500	2.0	0.13	3.23	2.82	2.69	9 7 R		207	5		212
lvein	Auskrat + 2	V	Ī					252	102	1000	1020	B/CI		1/13	662	494	609		417		25	121
Bloo	ynskrat	V					•	250	726	1018	4577	2007	2021	5	660	492	607		115		8 6	550
	S+AniM go.	1					i	2.13	2	P BO			8	7.02	1.95	2. 4	2.05		2 1R	1 20		151
	Nink + 2				+-	1	1	135	63	804		8	2	3	80	252	113		150	3	24	2 8
	Nink		1			Ť		133	61	47	12		8	5	87	250	111		148	28	2	
	Year	54/56	56/57	57/58	58/59	59/60	60/61	61/62	62/63	63/64	RARS	SERE EFEE	2000	/0/00	67/68	69/69	69/70	1//02	71/72	2773	72/74	74/75
	2+9nim3 go.		Ť		1				+	-		+							0.48	153	10	1 99
	2 + ənim3												-						3	2	16	26
	ənim3									Î	T								-	32	14	95
Ver	Log Muskrat+2																		2.26	2.31	2.12	3.28
ens Ki	Muskrat + 2						1					T	1			1		i	181	202	133	1886
	Muskrat																••		179	200	131	1884
Ī	Log Mink+2																		1.87	1.83	1.41	1.65
	Mink + 2													Ī					74	67	26	45
	Mink																		72	65	24	43
	Year	54/56	56/57	57/58	58/59	59/60	60/61	61/62	62/63	63/64	64/65	65/66	66/67	67/68	COND	80/00	69/70	70/71	71/72	72/73	73/74	74/75

2.11	2.13					1.75	1.58	2	1.41	1.93	1.73	1.73	1.85	1.41		1.66	1.26	1.68
129	134			Ī		8	38		78	85	3	2	2	2 8	Ì	8	18	48
127	132					2	8	6	2	83	52	52	89	24		4	16	8
27	2.5		+	+	+	1.61	1.92	2.26	2.29	(.89	2.49	8.	.43	1.2	╞	-	8	2.1
498	317		╞		+-	4	83	184	194	82	307	82	27	16		9	59	127
496	315	+	<u> </u>	+		39	81	182	192	82	305	83	25	14		8	27	125
1.53	1.97	<u> </u>		 		1.81	1.11	1.26	8.1	4.4	4.1	1.52	1.56	4.1		1.53	1.23	-
ह	2	<u> </u>				2	13	18	1	25	25	33	8	25		R	17	9
32	8		<u></u> -			62	11	16	6	33	23	31	8	23		32	15	8
92	2	78	6/	8	31	22	33	2	35	8	37	8	60	8	5	8	33	3
75/	76/	777	787	79/	8 0	81/	82/	8 3/	84/	85/	B 6/1	87/(88	89/	<i>1</i> 06	911	92%	93V
1.95	1.77	1.04	1.96					1.49	1.45	1.98	1.76	1.99	1.32	0.48		0.85	1.28	0.9
80	59	11	92				1	31	28	9 2	57	97	2	e		1	19	8
87	57	6	8					29	2 6	93	55	95	19	-		S	17	9
3.05	2.68	2.74	2.99					2.82	2.69	2.5	2.31	2.7	2	•		0.85	1.46	1.46
1119	476	555	979					660	493	318	204	500	§	9		~	29	29
1117	474	553	977					658	491	316	202	498	86	æ		S	27	27
1.53	2.13	1.73	2.43					1.67	1.36	1.6	1.86	1.76	1.58	1.68		1.08	1.23	0.6
æ	136	2	270					47	23	40	72	58	38	48		12	17	4
32	134	52	268					45	21	38	2	%	36	46		10	15	2
75/76	76/77	77/78	78/79	79/80	80/81	81/82	82/83	83/84	84/85	85/86	86/87	82//88	88/88	89/90	90/91	91/92	92/93	93/94

	2+enim3 go.								1.93	2.06			1.87	1.67	2.16	2	0.3	1.51		1.65	1.89
	2 + s nim3								85	115			74	47	146	11	2	32		45	77
	enim3								83	113			22	45	14	6	0	8		43	75
ver	2+157krat+2								2.59	3.08			2.99	2.83	2.72	2,88	2.78	1.56		2.59	3.11
	Muskrat + 2			Ī					306	1197			896	672	529	762	808	8		392	1290
-	Muskrat			Î					384	1195			67	670	527	760	604	3		390	1288
	Log Mink+2								1.92	1.88			1.85	1.92	2.34	1.89	1.6	2.05	1	1.41	1.53
	S + AniM								2	76			2	ຮ	218	78	8	=	Ì	28	3
	Mink								8	74			89	81	216	76	88	109		2	32
	Year	54/56	56/57	57/58	58/59	59/60	60/61	61/62	62/63	63/64	64/65	65/66	66/67	67/68	69/69	0//69	1071	71/72	72/73	73/74	74/75
	S+animn3 poj				1			2.56	2.65	2.8	 	2.76	2.07		2.94	2.58	2.41	2.3	2.41	2.13	2.57
	S + ənim3							360	447	638		570	117		877	377	257	201	257	134	372
	emime							358	445	636		568	115		875	375	265	199	255	132	370
-	Log Muskrat+2							2.86	2.92	3.23		3.39	3.11		3.15	3.26	3.6	3.95	3.57	2.76	3.32
ountair	Muskrat + 2						 	731	830	1713		2438	1299		1408	1818	3953	8929	3735	581	2088
N XON	Muskrat							729	828	1711		2436	1297		1406	1816	3951	8927	3733	579	2086
	Log Mink+2							2.51	2.52	2.36		2.46	1.99		2.69	2.73	2.56	2.53	2.73	2.59	2.5
	Mink + 2							327	332	228		290	97		8	541	366	341	540	390	315
Ī		_	<u> </u>	<u> </u>				5	0	9		80			80	6	-	•	-	80	0
	Mink							32	33	ส		28	ð		8	S	ଞ୍ଚ	S	530	Ř	શ

75/76							1			75/76	48	50	1.7	1071	1073	3,03	72	74	1.87
76/77										76/77	133	135	2.13	652	654	2.82	147	149	2.17
77/78						······ ·				77/78	35	37	1.57	122	124	2.09	14	16	1.2
78/70										78/79									
79/80										79/80									
80/81	Į									80/81			•••••						
81/82										81/82	48	50	1.7	494	496	2.7	59	61	1.79
92/92									· ···	82/83	44	46	1 66	623	625	28	23	25	1.4
02/03										83/84	17	19	1 28	237	239	2.38	4	6	0.78
03/04		76	4.00	4005	4007	2.2	270	270	3.57	04/05		20	1 49	504	508	2.00	45	47	1 87
84/85	13	15	1.88	1895	1991	3.3	3/0	3/2	2.5/	04/60	20	30	1.40	504	500	2,1			1.01
85/86	161	163	2.21	1970	1972	3.29	209	211	2.32	85/86	40	42	1.62	296	298	2,47	59	61	1.79
86/87	183	185	2.27	2935	2937	3.47	360	362	2,56	86/87	44	46	1.66	862	864	2.94	51	53	1,72
87/88	272	274	2.44	1920	1922	3.28	287	289	2.46	87/88	57	59	1.77	351	353	2,55	25	27	1,43
88/89	147	149	2.17	1217	1219	3.09	244	246	2.39	88/89	34	36	1.56	15	17	1.23	20	22	1.34
89/90	135	137	2.14	237	239	2.38	84	86	1.93	89/90	44	46	1.66	14	16	1.2	19	21	1.32
90/91										90/91					1				
91/92	74	76	1.88	437	439	2.64	139	141	2.15	91/92	42	44	1.64	3	5	0.7	30	32	1,51
92/93	122	124	2.09	216	218	2.34	107	109	2.04	92/93	6	8	0,9	57	59	1.77	3	5	0.7
93/94	46	48	1.68	638	640	2.81	52	54	1.73	93/94	13	15	1.18	200	202	2.31	0	2	0,3

		_			-						_	_	-	-	_	-	-	_	_		
	S+enim3 go.	ו							2 53	2.50	27	2.55	2.65	2.19	2 43	254				1.94	1.6
	S + enim 3	3							335	330	505	355	442	155	269	SAS	σ			87	9
	enim	3							333	328	503	353	9	153	267	344	-	•		85	88
ids	S+JB7XsuM go.	1				T	T		3.11	3.25	3.58	3.72	3.82	3.66	3.36	3.18	2.79			2.57	2.63
id Rap	Nuskat + 2	1					T		1294	1761	3834	5281	6557	4615	2273	1514	614	;		371	426
e Grar	herskrat	8							1292	1759	3832	5279	6555	4613	2271	1512	612			369	424
Ę	2+AniM go.								2.72	2.59	2.36	2 43	2.24	2.41	2.56	2.65	204			1.95	1.61
	Nink + 2								529	389	230	269	173	260	361	448	19			8	4
	Nink								527	387	228	267	171	258	359	446	108			88	39
	Year	54/56	56/57	57/58	58/59	59/60	60/61	61/62	62/63	63/64	64/65	65/66	66/67	67/68	69/89	69/70	70/1	71/72	72/73	73/74	74/75
	S+enimi∃ goj	 							2.56	2.77	2.63		2.62	2.1	2.26	1.87	1.72	1.23	2	2.1	2.09
	S + enim3					İ			361	584	423		413	127	180	7	23	17	87	127	124
	enim3								359	582	421		411	125	178	22	5	15	82	125	122
**	Log Muskrat+2			-					2.34	2.93	3.09		2.7	2.7	2.37	2.63	2.77	2.74	2.48	2.84	2.86
Bonne	Muskrat + 2								217	852	1222		503	499	235	430	592	547	305	694	730
	Muskat								215	850	1220		501	497	233	428	590	545	303	692	728
	Log Mink+2								2.29	2.48	2.27		2.03	2.21	2.32	2.27	2.21	1.88	2.25	1.96	1.79
	Mink + 2								193	305	188		108	163	210	186	163	76	178	92	8
	Mink								191	303	186		1 66	161	208	184	161	74	176	8	8
	Year	54/56	56/57	57/58	58/59	29/60	60/61	61/62	62/63	63/64	64/65	65/86	66/67	67/68	68/69	69/70	70/71	71/72	72/73	73/74	74/75

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2.09	1.54	1.87					2.02	1.67	1.08	111	1.9	1.45	-	0.78	0.6		1.04	1.08
124	35	74					2	47	12	13	8	28	10	9	4		11	12
122	33	22					102	45	9	F	78	8	æ	-	2		6	9
3.23	3.04	2.65					2.66	2.46	2.44	2.24	2.43	2.39	1.95	0.85	1.85		1.28	0.3
1710	1109	450					462	291	274	173	271	247	88	2	20		19	2
1708	1107	448					460	289	272	171	269	245	87	S	88		17	0
1.83	1.6	2.23					1.98	1.66	1.34	1.41	1.72	1.67	2.09	1.45	1.32		1.56	1.04
68	\$	171					8	4	22	26	52	47	124	28	21		8	11
99	38	169					2	4	20	24	50	45	122	26	19		3	6
75/76	76/77	77/78	78/79	79/80	80/81	81/82	82/83	83/84	84/85	85/86	86/87	87/88	88/88	06/68	90/91	91/92	92/93	93/94
2.61	2.32	2.64	1.51	2.62		2.41	2.03	2.05	2.3	2.34	2.19	2.43	2.28	1.9		2.05	1.26	2.04
407	209	433	32	417		255	108	112	199	218	155	272	191	62		111	18	110
405	207	431	9	415		253	1 06	110	197	216	153	270	189	11		109	16	108
3.38	3.19	2.71	2.49	2.83		2.83	3.23	2.94	3.08	2.72	3.15	9	2.11	1.81		2.47	2	3.07
2383	1555	517	310	676		676	1691	875	1213	523	1417	395	130	2		295	5	1188
2381	1553	515	308	674		674	1689	873	1211	521	1415	993	128	62		293	86	1186
2.06	2.3	2.55	1.74	2.69		2.37	2.24	2.16	1.94	2.11	2.14	2.37	2.39	2.08		2.27	1.67	1 .84
114	198	351	55	492		235	175	143	87	128	139	232	247	121		188	47	69
112	196	349	53	490		233	173	141	85	126	137	230	245	119		186	45	67
75/78	76/77	77/78	78/79	79/80	80/81	81/82	82/83	83/84	84/85	85/86	86/87	87/88	88/88	89/90	90/91	91/92	92/93	93/94

	7+900002 607	8	35	29	2	76	8	74	15	80	2	29	3	83	0		26	15	-	63	à
		7 2	2	2		-	2			0		2	8					-	-		
	Emine + 2	0	5	19	87	51	33	88	-	12	8	19	19	80	62	12	18	4	5	4	8
	enima	105	223	193	85	55	229	53	42	118	8	193	196	89	17	124	18	72	8	4	62
	Log Muskrat+2	3.41	3.35	3.34	3,32	3.1	2.88	3.11	1.79	2.85	3.08	3.26	3.23	2.98	2,82	2.98	3.06	2.88	2.96	2.69	2.89
shell	S + Jenken	2559	2251	2207	2076	1263	785	1275	8	708	1210	1801	1717	88	659	960	1150	754	912	486	770
White	Muskrat	2557	2249	2205	2074	1261	763	1273	8	30	1208	1799	1715	28	657	958	1148	752	910	484	768
	Log Mink+2	2.08	2,12	2.45	2.31	2.17	2.44	2.38	1.53	2.33	2.26	2.47	2.39	2.37	2.35	2.4	2.11	2.04	2.11	1.95	1.73
	Mink + 2	121	132	281	204	147	273	227	z	216	181	298	243	235	224	249	128	1 0	129	8	2
	Mink	119	130	279	202	145	271	225	32	214	179	296	241	233	222	247	126	108	127	88	52
	ear	1/56	3/57	7/58	3/59	9/60	0/61	1/62	2/63	202	105	999	3/67	1/68	69	020	111	172	2/73	374	175
	≻	Ś	Š	2i	S	ŭ	Ø	Ö	9	ő	ð	ŝ	8	0	ö	30	×	F	R	2	2
	C+enim3 goJ			1							-						_	•	:		
	S + 9nim3																				
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Paun	Muskrat																				i
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	Mink + 2																				
	Mink																				
	Year	54/56	56/57	57/58	58/59	29/60	60/61	61/62	62/63	63/64	64/65	65/66	66/67	67/68	68/69	69/70	70/71	71/72	72/73	73/74	74/75

75/76									75/76	127	129	2.11	1619	1621	3.21	269	271	2.43
76/17									76/77									
77/78			 		<u> </u>				77/78	250	252	2.4	484	486	2.69	126	127	21
78/79				 	 				78/79								!	
79/80									79/80	299	301	2.48	961	963	2.98	109	111	2.05
80/81									80/81	216	218	2.34	995	997	9	160	183	2 24
81/82									81/82	260	262	2.42	1061	1063	3.03	158	186	22
82/83	75	7 1.8	9 255	1 257	2.41	53	55	1.74	82/83	93	95	1.98	330	332	2.52	82	8	1.81
83/84	2	1.5	6 234	1 236	2.37	30	32	1.51	83/84									
84/85	46	1.6	8 425	164 0	2.63	2	6	0.95	84/85	78	80	1.9	936	938	2.97	18	20	1.3
85/86	54	56 1.7	5 213	1 215	2.33	4	43	1.63	85/86	52	2	1.73	4	113	2.65	4	1	1.64
86/87	7 26	38 1.7	6 312	314	2.5	4	43	1.63	86/87	37	39	1.59	295	297	2.47	3	8	1.75
87/88	19	21 1.3	165	167	2.22	11	13	1.11	87/88	88	6	1.96	1128	1128	3.05	55	57	1.76
88/89	27	1.1	8	32	1.51	S	~	0.85	88/89	125	127	2.1	403	405	2.61	85	87	1.94
89/90	42	H 1.6	1 35	37	1.57	0	1	2	89/90	108	110	2.04	25	27	1.43	48	50	17
90/91	38	1.(50	52	1.72	ຕ	S	0.7	16/06	<u>8</u>	102	2.01	51	53	1.72	29	31	1.49
91/92	18	50 1.:	3 32	2	1.53	2	4	0.6	91/92									
92/93	4	6 0.7	80	2	0.3	0	2	0.3	92/93	2	8	1.98	18	20	1.3	29	31	1.49
93/94	4	6 0.7	8 23	52	4	0	2	0.3	93/94	55	57	1.76	119	121	2.08	18	20	1.3





Ingue Caught of Animals Caught







Figure 26. Transformed (Log10) fur return totals of mink, muskrat and ermine for Bloodvein Registered Trapline section.



Log of Fur Production for Duck Mountain Trapline Section

Figure 27. Transformed (Log10) fur return totals of mink, muskrat and ermine for Duck Mountain Registered Trapline section.



Log of Fur Production for Hole River Trapline Section

Figure 28. Transformed (Log10) fur return totals of mink, muskrat and ermine for Hole River Registered Trapline section.







Log10 Number of Animals Caught





Inguso sisming to redmuk OrgoL

122

Figure 30. Transformed (Log10) fur return totals of mink, muskrat and ermine for Little Grand Rapids Registered Trapline section.



log of Fur Production for Pauingassi Trapline Section







Image: Second second	· · · · · · · · · · · · · · · · · · ·						~		
Correlation Values for Mink vs Mink 1 Year out 0.11 0.42 0.74 0.25 -0.10 0.75 0.50 0.47 2 Years out 0.70 0.16 0.44 0.00 0.27 0.60 0.20 0.38 3 Years out -0.38 0.31 0.47 0.36 0.04 0.59 0.30 0.25 4 Years out -0.08 0.01 0.55 0.42 -0.16 0.48 0.44 -0.30 5 Years out -0.17 -0.13 0.35 0.10 -0.15 0.48 0.44 -0.30 6 Years out -0.20 0.02 -0.22 0.64 0.11 -0.21 7 Years out 0.00 0.26 0.73 0.12 0.08 0.57 0.08 -0.22 8 Years out 0.70 0.42 0.73 0.64 -0.22 0.69 0.62 0.01 1 Year out 0.35 0.80 0.45 0.34 0.28 0.86 0.67		Berens River	Bloodvein	Duck Mountain	Hole River	Lac du Bonnet	Little Grand Rapids	Pauingassi	Whiteshell
1 Year out 0.11 0.42 0.74 0.25 -0.10 0.75 0.50 0.47 2 Years out 0.70 0.16 0.44 0.00 0.27 0.60 0.20 0.38 3 Years out -0.38 0.31 0.47 0.36 0.04 0.59 0.30 0.25 4 Years out 0.08 0.01 0.55 0.42 -0.16 0.48 0.84 0.12 5 Years out -0.17 -0.13 0.35 0.10 -0.15 0.48 0.44 -0.30 6 Years out -0.20 0.00 0.02 -0.02 -0.32 0.64 0.11 -0.21 7 Years out 0.00 0.26 0.73 0.12 0.08 0.57 0.08 -0.22 0.69 0.62 0.01 7 Years out 0.70 0.42 0.73 0.64 -0.22 0.69 0.62 0.01 7 Years out 0.01 0.62 -0.08 0.14 -0.09 0.57				Correlat	tion Value	s for Mink	ve Mink		
2 Years out 0.70 0.16 0.44 0.00 0.27 0.60 0.20 0.38 3 Years out -0.38 0.31 0.47 0.36 0.04 0.59 0.30 0.25 4 Years out 0.08 0.01 0.55 0.42 -0.16 0.48 0.84 0.12 5 Years out -0.17 -0.13 0.35 0.10 -0.15 0.48 0.44 -0.30 6 Years out -0.20 0.00 0.02 -0.02 -0.32 0.64 0.11 -0.21 7 Years out 0.00 0.26 0.73 0.12 0.08 0.57 0.08 -0.22 8 Years out 0.70 0.42 0.73 0.64 -0.22 0.69 0.62 0.01 0.62 -0.08 0.14 -0.09 0.57 0.66 0.39 3 Years out 0.01 0.62 -0.08 0.14 -0.09 0.57 0.66 0.39 3 Years out 0.01	1 Year out	0 11	0.42	0.74	0.25	-0 10	0.75	0.50	0.47
3 Years out -0.38 0.31 0.47 0.36 0.04 0.59 0.30 0.25 4 Years out 0.08 0.01 0.55 0.42 -0.16 0.48 0.84 0.12 5 Years out -0.17 -0.13 0.35 0.10 -0.15 0.48 0.44 -0.30 6 Years out -0.20 0.00 0.02 -0.02 -0.32 0.64 0.11 -0.21 7 Years out 0.00 0.26 0.73 0.12 0.08 0.57 0.08 -0.22 8 Years out 0.70 0.42 0.73 0.64 -0.22 0.69 0.62 0.01 Correlation Values for Muskrats vs Muskrats Correlation Values for Muskrats vs Muskrats 1 Year out 0.35 0.80 0.44 0.28 0.86 0.67 0.68 2 Years out 0.01 0.62 -0.08 0.14 -0.09 0.57 0.66 0.39 0.11 0.40	2 Years out	0.70	0.42	0 44	0.00	027	0.60	0.00	0.38
A Years out 0.08 0.01 0.55 0.42 -0.16 0.48 0.84 0.12 5 Years out -0.17 -0.13 0.35 0.10 -0.15 0.48 0.44 -0.30 6 Years out -0.20 0.00 0.02 -0.02 -0.32 0.64 0.11 -0.21 7 Years out 0.00 0.26 0.73 0.12 0.08 0.57 0.08 -0.22 8 Years out 0.70 0.42 0.73 0.64 -0.22 0.69 0.62 0.01 Correlation Values for Muskrats vs Muskrats 1 Year out 0.35 0.80 0.45 0.34 0.28 0.86 0.67 0.68 2 Years out 0.01 0.62 -0.08 0.14 -0.09 0.57 0.66 0.39 3 Years out 0.11 0.40 -0.07 0.03 -0.13 0.36 0.52 0.38 4 Years out 0.14 -0.16 0.04 -0.30 0.21 </th <th>3 Years out</th> <th>-0.38</th> <th>0.31</th> <th>0.47</th> <th>0.36</th> <th>0.04</th> <th>0.59</th> <th>0.30</th> <th>$-\frac{0.00}{0.25}$</th>	3 Years out	-0.38	0.31	0.47	0.36	0.04	0.59	0.30	$-\frac{0.00}{0.25}$
5 Years out -0.17 -0.13 0.35 0.10 -0.15 0.48 0.44 -0.30 6 Years out -0.20 0.00 0.02 -0.02 -0.32 0.64 0.11 -0.21 7 Years out 0.00 0.26 0.73 0.12 0.08 0.57 0.08 -0.22 8 Years out 0.70 0.42 0.73 0.64 -0.22 0.69 0.62 0.01 Correlation Values for Muskrats vs Muskrats 1 Year out 0.35 0.80 0.45 0.34 0.28 0.86 0.67 0.68 2 Years out 0.01 0.62 -0.08 0.14 -0.09 0.57 0.66 0.39 3 Years out 0.11 0.40 -0.07 0.03 -0.13 0.36 0.52 0.38 4 Years out 0.11 0.40 -0.07 0.03 -0.13 0.36 0.52 0.38 4 Years out 0.11 0.40 -0.07 0.02 -0.22 0.25 0.26 5 Years out -0.03 0.14	4 Years out	0.08	0.01	0.55	0.42	-0,16	0.48	0.84	0.12
6 Years out -0.20 0.00 0.02 -0.02 -0.32 0.64 0.11 -0.21 7 Years out 0.00 0.26 0.73 0.12 0.08 0.57 0.08 -0.22 8 Years out 0.70 0.42 0.73 0.64 -0.22 0.69 0.62 0.01 Correlation Values for Muskrats vs Muskrats 1 Year out 0.35 0.80 0.45 0.34 0.28 0.86 0.67 0.68 2 Years out 0.01 0.62 -0.08 0.14 -0.09 0.57 0.66 0.39 3 Years out 0.11 0.40 -0.07 0.03 -0.13 0.36 0.52 0.38 4 Years out 0.44 0.36 0.02 0.20 -0.02 0.22 0.25 0.26 5 Years out -0.03 0.14 -0.16 0.04 -0.30 0.21 0.18 0.12 6 Years out -0.09 0.21 0.15 -0.13 0.19 <th>5 Years out</th> <th>-0.17</th> <th>-0.13</th> <th>0.35</th> <th>0.10</th> <th>-0.15</th> <th>0.48</th> <th>0.44</th> <th>-0.30</th>	5 Years out	-0.17	-0.13	0.35	0.10	-0.15	0.48	0.44	-0.30
7 Years out 0.00 0.26 0.73 0.12 0.08 0.57 0.08 -0.22 8 Years out 0.70 0.42 0.73 0.64 -0.22 0.69 0.62 0.01 Correlation Values for Muskrats vs Muskrats 1 Year out 0.35 0.80 0.45 0.34 0.28 0.86 0.67 0.68 2 Years out 0.01 0.62 -0.08 0.14 -0.09 0.57 0.66 0.39 3 Years out 0.11 0.40 -0.07 0.03 -0.13 0.36 0.52 0.38 4 Years out 0.44 0.36 0.02 0.20 -0.02 0.22 0.25 0.26 5 Years out -0.03 0.14 -0.16 0.04 -0.30 0.21 0.18 0.12 6 Years out -0.09 0.21 0.12 0.41 -0.27 0.19 0.31 0.16 7 Years out -0.09 0.08 0.01 0.15 -0.13 0.19 0.18 0.08 8 Years out 0.53 0.31	6 Years out	-0.20	0.00	0.02	-0.02	-0.32	0.64	0.11	-0.21
8 Years out 0.70 0.42 0.73 0.64 -0.22 0.69 0.62 0.01 Correlation Values for Muskrats vs Muskrats 1 Year out 0.35 0.80 0.45 0.34 0.28 0.86 0.67 0.68 2 Years out 0.01 0.62 -0.08 0.14 -0.09 0.57 0.66 0.39 3 Years out 0.11 0.40 -0.07 0.03 -0.13 0.36 0.52 0.38 4 Years out 0.44 0.36 0.02 0.20 -0.02 0.22 0.25 0.26 5 Years out -0.03 0.14 -0.16 0.04 -0.30 0.21 0.18 0.12 6 Years out -0.09 0.21 0.12 0.41 -0.27 0.19 0.31 0.16 7 Years out -0.09 0.08 0.01 0.15 -0.13 0.19 0.18 0.08 8 Years out 0.53 0.31 -0.24 0.22 0.06	7 Years out	0.00	0.26	0.73	0.12	0.08	0.57	0.08	-0.22
Correlation Values for Muskrats vs Muskrats 1 Year out 0.35 0.80 0.45 0.34 0.28 0.86 0.67 0.68 2 Years out 0.01 0.62 -0.08 0.14 -0.09 0.57 0.66 0.39 3 Years out 0.11 0.40 -0.07 0.03 -0.13 0.36 0.52 0.38 4 Years out 0.44 0.36 0.02 0.20 -0.02 0.22 0.25 0.26 5 Years out -0.03 0.14 -0.16 0.04 -0.30 0.21 0.12 0.41 -0.27 0.19 0.31 0.16 7 Years out -0.09 0.21 0.12 0.41 -0.27 0.19 0.31 0.16 7 Years out -0.09 0.08 0.01 0.15 -0.13 0.19 0.18 0.08 8 Years out 0.53 0.31 -0.24 0.22 0.06 0.48 -0.74 0.40 Correlation Values for Er	8 Years out	0.70	0.42	0.73	0.64	-0.22	0.69	0.62	0.01
Correlation Values for Muskrats vs Muskrats 1 Year out 0.35 0.80 0.45 0.34 0.28 0.86 0.67 0.68 2 Years out 0.01 0.62 -0.08 0.14 -0.09 0.57 0.66 0.39 3 Years out 0.11 0.40 -0.07 0.03 -0.13 0.36 0.52 0.38 4 Years out 0.44 0.36 0.02 0.20 -0.02 0.22 0.25 0.26 5 Years out -0.03 0.14 -0.16 0.04 -0.30 0.21 0.18 0.12 6 Years out -0.09 0.21 0.12 0.41 -0.27 0.19 0.31 0.16 7 Years out -0.09 0.08 0.01 0.15 -0.13 0.19 0.18 0.08 8 Years out 0.53 0.31 -0.24 0.22 0.06 0.48 -0.74 0.40 Correlation Values for Ermine vs Ermine 1 Year out 0.14									
1 Year out 0.35 0.80 0.45 0.34 0.28 0.86 0.67 0.68 2 Years out 0.01 0.62 -0.08 0.14 -0.09 0.57 0.66 0.39 3 Years out 0.11 0.40 -0.07 0.03 -0.13 0.36 0.52 0.38 4 Years out 0.44 0.36 0.02 0.20 -0.02 0.22 0.25 0.26 5 Years out -0.03 0.14 -0.16 0.04 -0.30 0.21 0.18 0.12 6 Years out -0.09 0.21 0.12 0.41 -0.27 0.19 0.31 0.16 7 Years out -0.09 0.21 0.12 0.41 -0.27 0.19 0.31 0.16 7 Years out -0.09 0.08 0.01 0.15 -0.13 0.19 0.18 0.08 8 Years out 0.53 0.31 -0.24 0.22 0.06 0.48 -0.74 0.40 Correlation Values for Ermine vs Ermine 1 Years out 0.07 0.36			Co	orrelation \	/alues for	Muskrats	vs Muskr	ats	
2 Years out 0.01 0.62 -0.08 0.14 -0.09 0.57 0.66 0.39 3 Years out 0.11 0.40 -0.07 0.03 -0.13 0.36 0.52 0.38 4 Years out 0.44 0.36 0.02 0.20 -0.02 0.22 0.25 0.26 5 Years out -0.03 0.14 -0.16 0.04 -0.30 0.21 0.18 0.12 6 Years out -0.09 0.21 0.12 0.41 -0.27 0.19 0.31 0.16 7 Years out -0.09 0.21 0.12 0.41 -0.27 0.19 0.31 0.16 7 Years out -0.09 0.08 0.01 0.15 -0.13 0.19 0.18 0.08 8 Years out 0.53 0.31 -0.24 0.22 0.06 0.48 -0.74 0.40 Correlation Values for Ermine vs Ermine Correlation Values for Solution 0.72 0.53 0.29 2 Years out 0.07 0.36 0.09 0.05 0.63 0.77	1 Year out	0.35	0.80	0.45	0.34	0.28	0.86	0.67	0.68
3 Years out 0.11 0.40 -0.07 0.03 -0.13 0.36 0.52 0.38 4 Years out 0.44 0.36 0.02 0.20 -0.02 0.22 0.25 0.26 5 Years out -0.03 0.14 -0.16 0.04 -0.30 0.21 0.18 0.12 6 Years out -0.09 0.21 0.12 0.41 -0.27 0.19 0.31 0.16 7 Years out -0.09 0.08 0.01 0.15 -0.13 0.19 0.18 0.08 8 Years out 0.53 0.31 -0.24 0.22 0.06 0.48 -0.74 0.40 Correlation Values for Ermine vs Ermine Correlation Values for Ermine vs Ermine 1 Years out 0.14 0.24 0.33 0.17 0.30 0.72 0.53 0.29 2 Years out 0.07 0.36 0.09 0.05 0.63 0.77 0.10 0.03 3 Years out -0.25 0.26 0.18 -0.06 0.15 0.79 0.63 0.12	2 Years out	0.01	0.62	-0.08	0.14	-0.09	0.57	0.66	0.39
4 Years out 0.44 0.36 0.02 0.20 -0.02 0.22 0.25 0.26 5 Years out -0.03 0.14 -0.16 0.04 -0.30 0.21 0.18 0.12 6 Years out -0.09 0.21 0.12 0.41 -0.27 0.19 0.31 0.16 7 Years out -0.09 0.21 0.12 0.41 -0.27 0.19 0.31 0.16 7 Years out -0.09 0.08 0.01 0.15 -0.13 0.19 0.18 0.08 8 Years out 0.53 0.31 -0.24 0.22 0.06 0.48 -0.74 0.40 Correlation Values for Ermine vs Ermine Correlation Values for Ermine vs Ermine 1 Years out 0.14 0.24 0.33 0.17 0.30 0.72 0.53 0.29 2 Years out 0.07 0.36 0.09 0.05 0.63 0.77 0.10 0.03 3 Years out -0.25 0.26 0.18 -0.06 0.15 0.79 0.63 0.12	3 Years out	0.11	0.40	-0.07	0.03	-0.13	0.36	0.52	0.38
5 Years out -0.03 0.14 -0.16 0.04 -0.30 0.21 0.18 0.12 6 Years out -0.09 0.21 0.12 0.41 -0.27 0.19 0.31 0.16 7 Years out -0.09 0.08 0.01 0.15 -0.13 0.19 0.18 0.08 8 Years out 0.53 0.31 -0.24 0.22 0.06 0.48 -0.74 0.40 Correlation Values for Ermine vs Ermine Correlation Values for Ermine vs Ermine 1 Year out 0.14 0.24 0.33 0.17 0.30 0.72 0.53 0.29 2 Years out 0.07 0.36 0.09 0.05 0.63 0.77 0.10 0.03 3 Years out -0.25 0.26 0.18 -0.06 0.15 0.79 0.63 0.12 4 Years out -0.07 0.07 0.28 -0.01 -0.03 0.64 0.73 -0.05	4 Years out	0.44	0.36	0.02	0.20	-0.02	0.22	0.25	0.26
6 Years out -0.09 0.21 0.12 0.41 -0.27 0.19 0.31 0.16 7 Years out -0.09 0.08 0.01 0.15 -0.13 0.19 0.18 0.08 8 Years out 0.53 0.31 -0.24 0.22 0.06 0.48 -0.74 0.40 Correlation Values for Ermine vs Ermine Correlation Values for Ermine vs Ermine 1 Year out 0.14 0.24 0.33 0.17 0.30 0.72 0.53 0.29 2 Years out 0.07 0.36 0.09 0.05 0.63 0.77 0.10 0.03 3 Years out -0.25 0.26 0.18 -0.06 0.15 0.79 0.63 0.12 4 Years out -0.07 0.07 0.28 -0.01 -0.03 0.64 0.73 -0.05	5 Years out	-0.03	0.14	-0.16	0.04	-0.30	0.21	0.18	0.12
7 Years out -0.09 0.08 0.01 0.15 -0.13 0.19 0.18 0.08 8 Years out 0.53 0.31 -0.24 0.22 0.06 0.48 -0.74 0.40 Correlation Values for Ermine vs Ermine Correlation Values for Ermine vs Ermine 1 Year out 0.14 0.24 0.33 0.17 0.30 0.72 0.53 0.29 2 Years out 0.07 0.36 0.09 0.05 0.63 0.77 0.10 0.03 3 Years out -0.25 0.26 0.18 -0.06 0.15 0.79 0.63 0.12 4 Years out -0.07 0.07 0.28 -0.01 -0.03 0.64 0.73 -0.05	6 Years out	-0.09	0.21	0.12	0.41	-0.27	0.19	0.31	0.16
8 Years out 0.53 0.31 -0.24 0.22 0.06 0.48 -0.74 0.40 Correlation Values for Ermine vs Ermine 1 Year out 0.14 0.24 0.33 0.17 0.30 0.72 0.53 0.29 2 Years out 0.07 0.36 0.09 0.05 0.63 0.77 0.10 0.03 3 Years out -0.25 0.26 0.18 -0.06 0.15 0.79 0.63 0.12 4 Years out -0.07 0.07 0.28 -0.01 -0.03 0.64 0.73 -0.05	7 Years out	-0.09	0.08	0.01	0.15	-0.13	0.19	0.18	0.08
Correlation Values for Ermine vs Ermine 1 Year out 0.14 0.24 0.33 0.17 0.30 0.72 0.53 0.29 2 Years out 0.07 0.36 0.09 0.05 0.63 0.77 0.10 0.03 3 Years out -0.25 0.26 0.18 -0.06 0.15 0.79 0.63 0.12 4 Years out -0.07 0.07 0.28 -0.01 -0.03 0.64 0.73 -0.05	8 Years out	0.53	0.31	-0.24	0.22	0.06	0.48	-0.74	0.40
Correlation Values for Ermine vs Ermine 1 Year out 0.14 0.24 0.33 0.17 0.30 0.72 0.53 0.29 2 Years out 0.07 0.36 0.09 0.05 0.63 0.77 0.10 0.03 3 Years out -0.25 0.26 0.18 -0.06 0.15 0.79 0.63 0.12 4 Years out -0.07 0.07 0.28 -0.01 -0.03 0.64 0.73 -0.05			-						
Trear out 0.14 0.24 0.33 0.17 0.30 0.72 0.53 0.29 2 Years out 0.07 0.36 0.09 0.05 0.63 0.77 0.10 0.03 3 Years out -0.25 0.26 0.18 -0.06 0.15 0.79 0.63 0.12 4 Years out -0.07 0.07 0.28 -0.01 -0.03 0.64 0.73 -0.05	4 Magazit		—(Jorrelation	values f		vs Ermine	8	
Z rears out 0.07 0.36 0.09 0.05 0.63 0.77 0.10 0.03 3 Years out -0.25 0.26 0.18 -0.06 0.15 0.79 0.63 0.12 4 Years out -0.07 0.07 0.28 -0.01 -0.03 0.64 0.73 -0.05	Trear out	0.14	0.24	0.33	0.17	- 0.30	0.72	0.53	0.29
3 Tears out -0.25 0.26 0.18 -0.06 0.15 0.79 0.63 0.12 4 Years out -0.07 0.07 0.28 -0.01 -0.03 0.64 0.73 -0.05	2 Tears out	0.07	0.36	0.09	0.05	0.63	0.77	0.10	0.03
⇔rcarsuut •0.07 0.07 0.20 •0.01 •0.03 0.64 0.73 •0.05 [S TEATS OUL	-0.20		0.18	-0.06	0.15	0.79	0.03	
5 Years and 0.22 0.10 0.25 0.24 0.21 0.55 0.20 0.00	5 Vears out	-0.07	0.07	0.20	-0.01	-0.03	0.04	0.73	-0.05
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	6 Vears out	-0.33	-0.10	0.35	0.02	-0.31	0.00	0.39	-0.09
7 Veare out _0.23 _0.03 0.31 0.02 +0.37 0.47 0.19 0.08	7 Veare out	-0.23	-0.03	0.31	-0.02	· •0.37	012	0.19	-0.00
8 Years out =0.30 0.01 =0.23 0.36 =0.52 0.43 0.39 =0.29	8 Years out	-0.30	0.23	-0.23	0.25	-0.52	0.43	0.55	-0.23

 Table 6. Intraspecific correlation coefficients calculated based on fur returns of mink, muskrat and ermine for each Manitoba Registered Trapline section.



Correlation Values for Mink vs Mink for Each Trapline Section

Number of Years out of Sequence





Correlation Values for Mink vs Mink for Each Trapline Section

Number of Years out of Sequence



Correlation Values for Muskrat vs Muskrat for Each Trapline Section

Number of Years out of Sequence

Figure 34. Correlogram for intraspecific analysis of Registered Trapline sectional muskrat fur returns.


Correlation Values for Muskrat vs Muskrat for Each Trapline Section

Number of Years out of Sequence



Correlation Values for Ermine vs Ermine for Each Trapline Section

Number of Years out of Sequence

Figure 35. Correlogram for intraspecific analysis of Registered Trapline sectional ermine fur returns.



Correlation Values for Ermine vs Ermine for Each Trapline Section

Number of Years out of Sequence

	Berens River	Bioodvein	Duck Mountain	Hole River	Lac du Bonnet	Little Grand Rapids	Pauingassi	Whiteshell
	 				 			!
Come Vere	0.00	0.40					5	0.42
Same rear	0.30	0.10	0.33	0.17	-0.00	0.40	0.00	0.43
1 Year out	0.18	0.30	0.56	0.42	0.16	0.62	0.54	0.36
2 Years out	0.41	0.68	0.44	0.58	0.11	0.85	0.66	0.45
3 Years out	0.38	0.63	0.13	0.19	0.14	0.83	0.51	0.33
4 Years out	0.84	0.78	0.32	0.41	0.65	0.65	0.63	0.23
5 Years out	-0.31	0.69	-0.01	0.46	0.13	0.51	0.73	0.1/
6 Years out	-0.35	0.43	-0.60	0.03	0.09	0.20	0.41	-0.02
7 Years out	-0.35	0.13	-0.61	0.09	-0.04	0.04	-0.19	0.02
8 Years out	0.79	0.09	-0.54	0.17	-0.08	0.14	-0.34	0.30
	<u> </u>	l	<u> </u>	<u> </u>	<u> </u>	<u> </u>		
			Correlatio	on Values	for Mink v	s Ermine		
Same Year	0.41	0.45	0.46	0.72	0.60	0.77	0.82	0.61
1 Year out	-0.03	0.44	0.35	0.16	0.07	0.68	0.36	0.56
2 Years out	0.39	0.26	0.16	0.17	0.56	0.67	0.29	0.31
3 Years out	0.36	0.73	0.08	0.53	0.05	0.85	0.75	0.43
4 Years out	0.44	0.47	0.64	0.47	0.28	0.71	0.88	0.33
5 Years out	-0.47	0.12	0.58	0.31	-0.11	0.75	0.22	-0.04
6 Years out	-0.38	0.35	0.24	0.10	-0.10	0.53	-0.10	-0.11
7 Years out	-0.51	0.05	0.35	-0.23	-0.13	0.37	0.14	-0.27
8 Years out	0.28	0.01	0.36	0.49	-0.43	0.53	0.69	-0.09
		C	orrelation	Values fo	r Muskrats	s vs Ermin	le	
Same Year	0.69	0.49	0.05	0.51	0.28	0.78	0.60	0.57
1 Year out	0.00	0.61	-0.03	0.35	0.13	0.82	0.71	0.57
2 Years out	0.03	0.48	0.40	0.32	-0.15	0.87	0.56	0.08
3 Years out	-0.14	0.32	0.69	-0.07	-0.22	0.78	0.37	0.12
4 Years out	-0.12	0.32	0.39	0.02	-0.29	0.56	0.70	0.18
5 Years out	-0.17	0.25	-0.36	-0.10	-0.38	0.50	0.70	0.14
6 Years out	-0.51	0.20	0.21	0.49	-0.04	0.60	-0.42	0.21
7 Years out	-0.52	0.33	0.88	0.28	-0.16	0.62	-0.23	-0.04
8 Years out	0.25	0.29	0.54	0.26	0.11	0.31	0.91	0.03

 Table 7. Interspecific correlation coefficients calculated based on fur return totals of mink, muskrat and ermine for each Manitoba Registered Trapline section.



Correlation Values for Mink vs Muskrats for Each Trapline Section

Number of Years out of Sequence

Figure 36. Correlogram for interspecific analysis of Registered Trapline section fur returns: Mink versus Muskrat.



Correlation Values for Mink vs Muskrats for Each Trapline Section

Number of Years out of Sequence



Correlation Values for Mink vs Ermine for Each Trapline Section

Number of Years out of Sequence

Figure 37. Correlogram for interspecific analysis of Registered Trapline sectional fur returns: Mink versus Ermine.



Correlation Values for Mink vs Ermine for Each Trapline Section

Number of Years out of Sequence



Correlation Values for Muskrat vs Ermine for Each Trapline Section

Number of Years out of Sequence

Figure 38. Correlogram for interspecific analysis of Registered Trapline sectional fur returns: Muskrat versus Ermine.



Correlation Values for Muskrat vs Ermine for Each Trapline Section

Number of Years out of Sequence

Fur Returns for Northwestern Ontario Trapline Regions Kenora **Red Lake** Muskrat Emine Emine Muskrai Mink Kink Year Year 54/55 54/55 55/56 55/56 56/57 56/57 57/58 57/58 58/59 58/59 59/60 59/60 60/61 60/61 61/62 61/62 62/63 62/63 63/64 63/64 64/65 123 485 44 64/65 71 60 65/66 65/66 915 66/67 236 798 54 66/67 67/68 264 517 76 67/68 68/69 186 525 40 68/69 69/70 151 848 10 69/70 70/71 109 494 0 70/71 : 71/72 101 154 2 71/72 72/73 52 ~ Ō 72/73 73/74 70 73/74 107 1137 0 113 ~ 74/75 49 ~ 0 74/75 170 2986 261 75/76 75/76 51 0 243 2360 93 ~ 76/77 181 Ō 76/77 375 1007 268 ~ 77/78 102 ~ Õ 77/78 597 : 1524 ! 312 78/79 170 78/79 0 852 2146 278 ~ 79/80 166 -0 79/80 767 2581 277 80/81 190 1 2 80/81 750 3249 298 81/82 81/82 99 31 33 459 1159 297 82/83 54 10 82/83 342 1812 ~ 167 83/84 37 ~ 7 83/84 231 1109 37 84/85 28 ~ 5 84/85 223 1076 130 85/86 23 58 ~ 85/86 405 225 770 86/87 122 25 86/87 309 604 57 ~ 87/88 221 31 ~ 87/88 676 684 95 88/89 **91** 4 88/89 287 185 248 ~ 89/90 77 ~ 2 89/90 206 340 39 90/91 Û 11 90/91 127 47 14 ~ 91/92 18 ~ 0 91/92 136 118 6 92/93 17 2 92/93 ~ 93/94 26 0 93/94 ~ 94/95 44 5 ~ 94/95 95/96 19 6 95/96

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Table 8. Fur return totals of mink, muskrat and ermine for Kenora and Red Lake Registered Trapline regions.





Figure 40. Fur return totals of mink, muskrat and ermine for Kenora Registered Trapfine region.







Table 9. Transformed (Log10) fur return totals of mink, muskrat and ermine for Kenora and Red Lake Registered Trapline regions.

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	enima	3			+-					-+-	1	T	T		1		+-				113	261	
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ake R.	viuskrat+2	•	+					+-		1				1	1		+-	Ť			1139	2988	
Redi	Auskrat	•			Ť						1			1				+		-	1137	2986	
Ontark	-og Mink+2	1																			2.0	22	
estern	Mink+2					1										1		i		1	109	172	
Northw	Mink					1									!				:		107	170	
sturns for I	Year	54/55	55/56	56/57	57/58	58/59	29/60	60/61	61/62	62/63	63/64	64/65	65/66	66/67	67/68	68/69	69/70	70/11	71/72	72/73	73/74	74/75	
	S+∋nim∃ 8oJ			 						<u>+-</u> -		1.66	1.79	1.75	1.89	1.62	1.08	0.3	0.6	0.3	0.3	0.3	
lsion o	2+9nim3											4 6	62	8	78	42	12	2	4	2	2	2	
	enima											4	80	2	76	40	10	0	7	0	0	0	
gion	2+JEJASUM 607				Î							2.69	2.96	2.9	2.72	2.72	2.93	2.7	2.19				
Logar ora Re	S+jBiylauM											487	917	88	519	527	850	496	156				
Ken	Muskrat											485	915	798	517	525	848	4 94	154	2	2	1	
	Log Mink+2											2.1	1.86	2.38	2.42	2.27	2.18	2.05	2.01	1.73	1.86	1.71	
	Mink+2											125	73	238	266	188	153	111	103	2	2	51	
	Mink											123	71	236	264	186	151	8	101	52	8	4 9	
	Year	54/55	55/56	56/57	57/58	58/59	59/60	60/61	61/62	62/63	63/64	64/65	65/66	66/67	67/68	68/69	69/70	10/11	71/72	72/73	73/74	74/75	

76/77	181	183	2.26	~			0	2	03	76/77	375	377	26	1007	1009	30	268	270	24
77/78	102	104	2 02	~		1	0	2	03	77/78	597	599	28	1524	1526	32	312	314	25
78/79	170	172	2 24	~~~~			- 0	2	03	78/70	852	854	2.0	2146	2149	22	279	280	2.5
70/80	166	169	2 22			<u>}</u>		2	0.3	70/20	767	760	2.5	2140	2140	3,3	270	200	2.4
00/04	100	100	2.23			0.40			0.3	1 3100	760	709	2.8	2001	2003	3,4	2//	2/9	2,4
00/01	190	192	2.20	1	3	0.40	2	4	0.0	80/81	100	(52	2.9	3249	3201	3,5	298	300	2,5
81/82	99	101	2	31	33	1.52	33	35	1.54	81/82	459	461	2.7	1159	1161	3,1	297	299	2,5
82/83	54	56	1.75	~			10	12	1.08	82/83	342	344	2,5	1812	1814	3,3	167	169	2,2
83/84	37	39	1.59	~			7	9	0.95	83/84	231	233	2.4	1109	1111	3,0	37	39	1.6
84/85	28	30	1.48	~			5	7	0.85	84/85	223	225	2.4	1076	1078	3,0	130	132	2,1
85/86	58	60	1.78	~			23	25	1.4	85/86	405	407	2.6	770	772	2,9	225	227	2,4
86/87	122	124	2.09	~		1	25	27	1.43	86/87	309	311	2,5	604	606	2,8	57	59	1,8
87/88	221	223	2.35	~			31	33	1.52	87/88	676	678	2.8	684	686	2,8	95	97	2,0
88/89	91	93	1.97	~		{	4	6	0.78	88/89	287	289	2.5	185	187	2,3	248	250	2,4
89/90	77	79	1,9	~	··· •		2	4	0,6	89/90	206	208	2.3	340	342	2,5	39	41	1,6
90/91	11	13	1.11	~		1	0	2	0,3	90/91	127	129	2.1	47	49	1.7	14	16	1.2
91/92	18	20	1.3	~		· · · · · · · · · · · · · · · · · · ·	0	2	0.3	91/92	136	138	2,1	118	120	2,1	6	8	0,9
92/93	17	19	1.28	~	{	1	2	4	0,6	92/93	1						ţ		
93/94	26	28	1.45	~	[0	2	0,3	93/94		h	t						
94/95	44	46	1.66	~	· · ·	-	5	7	0.85	94/95				1			·····		
95/96	19	21	1.32	~	1	} .	6	8	0.9	95/96	1						1		





Figure 42. Transformed (Log10) fur return totals of mink, muskrat and ermine for Kenora Registered Trapline region.





Log10 Number of Animals Caught



	Cor	relation Value	es for Northw	estern Ontario	Trapline Re	gions
	Mink	vs Mink	Muskrat	vs Muskrat	Ermine	vs Ermine
	Kenora	Red Lake	Kenora	Red Lake	Kenora	Red Lake
1 Year Out	0.63	0.68	n/a	0.61	0.41	0.43
2 Years Out	0.37	0.34	n/a	0.49	0.11	0.23
3 Years Out	-0.04	-0.22	n/a	0.44	-0.20	0.33
4 Years Out	-0.17	-0.55	n/a	0.42	-0.03	0.27
5 Years Out	-0.22	-0.48	n/a	0.49	-0.08	-0.06
6 Years Out	0.03	-0.35	n/a	0.27	-0.01	-0.14
7 Years Out	0.48	0.08	n/a	0.01	-0.47	0.22
8 Years Out	0.43	0.34	n/a	0.17	-0.49	0.29
9 Years Out	0.56	0.40	n/a	-0.14	-0.48	-0.16
10 Years Out	0.29	-0.02	n/a	-0.16	-0.37	-0.31

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 Table 10. Intraspecific correlation coefficients calculated based on fur return totals of mink, muskrat and ermine for Kenora and Red Lake Registered Trapline regions.





Figure 44. Correlogram for intraspecific analysis of mink and ermine fur return totals for Kenora Registered Trapline region.

Correlation Values for Red Lake Trapline Region





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ļ	enimā	3										31	47	39	28	3	7	0	2	10	0	0	0	0	•
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0	Nink	ł	Ĺ	Ţ	Ţ	Ţ	Ţ		Ī	T	T	82	55	196	195	148	121	8	62	48	8	35	47	150	74
	Year	54/55	55/56	56/57	57/58	58/59	29/60	60/61	61/62	62/63	63/64	64/65	65/66	66/67	67/68	68/89	69/70	70/71	71/72	72/73	73/74	74/75	75/76	76/77	ALLC.
	enima		T	T	T	T	T											F			30		0	S	C
ction	Muskrat			<u>+</u>																	39	467	180	53	Sol Ca
Š	Mink							├		 			 				 				21	45	9	20	27
	Year	54/55	55/56	56/57	57/58	58/59	29/60	60/61	61/62	62/63	63/64	64/65	65/66	66/67	67/68	68/89	69/70	70/71	71/72	72/73	73/74	74/75	75/76	76/77	8/1/1
5	enima																				10	32	8	62	69
ction (Musicat	 	<u> -</u> 1			├ ─-†	H				<u>}</u> +						-		 !		130	456	365	160	147
8	Mink	 								 					+						15	24	38	64	118
	Year	54/55	55/56	56/57	57/58	58/59	59/60	60/61	61/62	62/63	63/64	64/65	65/66	66/67	67/68	69/69	69/70	70/71	71/72	72/73	73/74	74/75	75/76	76/77	77/78
a	enim3															+					13	91	6	115	131
cto	jenkeum																		; ;		438	692	792	369	415
ຶ	Ar i M	+	1				+	+							-+			-+		+ -	13	8	23	108	218
	Year	54/55	55/56	56/57	57/58	58/59	59/60	60/61	61/62	62/63	63/64	64/65	65/66	66/67	67/68	68/69	69/70	1102	71/72	72/73	73/74	74/75	75/76	76/77	77/78
	enima		+		-+	-+		1	+		-+	+	+	+	+	+	+	_	-+	-+	2	6	62	69	117
LOH TOH	Muskrat	+	-+	+	-+	+		1	+	+	-+	+	\dagger	+	+	+	+	+	+		135	285	8	139	- 12
8 	Mink	+	-+	-+	+	-+	+	+	-+	+		+	+	+	+	+	+	+	+	-+	67	82	128	183	252 r
+		<u></u>		57	8	<u>.</u>	<u>_</u>		2 2	53	3	122	9		-+ 8	8			2	3		5	9		/8 /
	Yea	ŝ	55	564	57/5	58%	59%	200	816	624	637	PA PA			2/0	000	1AD	5		121	131	141	7517	191	7771

	S	ection	A		S	ection	8		S	ection	C		S	ection	D		Se	ection	E
78/79	343	1011	101	78/79	291	578	121	78/79	179	326	47	78/79	77	100	9	78/79	128	0	0
79/80	401	771	90	79/80	223	893	154	79/80	108	286	18	79/80	45	216	13	79/80	149	0	0
80/81	302	921	65	80/81	279	1017	163	80/81	130	366	63	80/81	89	460	15	80/81	139	0	2
81/82	196	277	126	81/82	195	242	100	81/82	39	151	52	81/82	32	233	31	81/82	86	31	15
82/83	131	333	71	82/83	99	594	67	82/83	68	495	22	82/83	47	264	15	82/83	38	0	2
83/84	85	338	19	83/84	56	320	8	83/84	68	179	8	83/84	15	100	3	83/84	34	0	6
84/85	101	361	63	84/85	65	336	42	84/85	42	183	19	84/85	9	126	6	84/85	27	0	4
85/86	238	223	118	85/86	110	262	55	85/86	50	116	57	85/86	17	135	29	85/86	46	0	19
86/87	151	120	16	86/87	113	145	25	86/87	31	199	10	86/87	14	28	6	86/87	121	0	25
87/88	327	357	59	87/88	236	245	32	87/88	108	80	4	87/88	14	2	0	87/88	212	0	34
88/89	159	77	124	88/89	60	66	96	88/89	61	19	21	88/89	8	23	9	88/89	90	0	2
89/90	84	23	36	89/90	38	269	0	89/90	47	33	3	89/90	47	15	0	89/90	67	0	2
90/91	50	0	3	90/91	28	21	2	90/91	44	26	9	90/91	5	0	0	90/91	11	0	0
91/92	76	0	6	91/92	41	117	0	91/92	19	1	0	91/92	0	0	0	91/92	18	0	0
92/93				92/93				92/93				92/93				92/93	17	0	2
93/94		[93/94				93/94				93/94				93/94	26	0	0
94/95	1			94/95			[94/95				94/95				94/95	44	0	5
95/96				95/96			{	95/96				95/96				95/96	19	0	6

Fur Production for NorthWestern Ontario Section A



Figure 46. Fur return totals of mink, muskrat and ermine for Registered Traplines within Northwestern Ontario section A.

Fur Production for NorthWestern Ontario Section B



Figure 47. Fur return totals of mink, muskrat and ermine for Registered Traplines within Northwestern Ontario section B.

Fur Production for NorthWestern Ontario Section C





Fur Production for NorthWestern Ontario Section D









Figure 50. Fur return totals of mink, muskrat and ermine for Registered Traplines within Northwestern Ontario section E.

Table 12. Intraspecific correlation coefficients calculated on fur return totals of mink, muskrat and ermine for Northwestern Ontario sections A - E.

		Correla	ation Totals	for Northy	vestern O	ntario Secti	Suo		
		-			•		:		
		Section A			Section E			Section C	
	Mink	Muskrat	Ermine	Mink	Muskrat	Ermine	Mink	Mushrah	Emino
1 Year Out	0.63	0.63	0.14	0.65	0.51	0.51			
2 Years Out	0.23	0.54	-0.31	030	0.38	0.40			
3 Years Out	-0.35	0.69	0.35	-0.14	0.31	0.16		0000	<u>)</u>
4 Years Out	-0.63	0.55	0.37	-0.50	0.37			7.0	20.0
5 Years Out	-0.53	0.56	-0.36	-0.45	5.0			0.0	0.47
6 Years Out	-0.73	0.61				-0.22	67.n-	60.0 0	0.16
		10.0	-0.0 2	-0.23	/0'0	-0.20	-0.48	0.05	-0.36
	0.26	0.20	0.66	0.00	0.08	-0.20	-0.12	0.01	-0.13
a Years Out	0.62	0.46	0.10	0.08	0.01	0.26	0.00	0.31	0 22
9 Years Out	0.45	0.49	-0.40	0.30	0.07	-0.07	0.34	-0.47	0.06
10 Years Out	-0.03	0.30	0.20	-0.06	-0.01	-0.18	0.33	-0.05	-0.46
									2
		Section D			Section E		-	:	
	Mink	Muskrat	Ermine	Mink	Muskrat	Frmine			
1 Year Out	0.23	0.36	0.26	0.57	0.81	0.76			
2 Years Out	0.57	0.22	-0.19	0.22	0.66	0.54			
3 Years Out	0.05	0.0	-0.14	-0.08	0.70	0.19			
4 Years Out	0.21	-0.05	-0.04	-0.33	0.70	-0.03			
5 Years Out	-0.29	0.12	-0.13	-0.39	0.43	-0.19			
6 Years Out	-0.07	0.20	-0.09	-0.27	0.25	-0.19	-		•
7 Years Out	-0.17	-0.21	0.51	0.0	0.10	-0.33			
8 Years Out	-0.17	0.00	0.20	0.14	-0.13	-0.34			
9 Years Out	0.27	-0.36	-0.21	0.37	0.14	-0.36			
10 Years Out	-0.20	0.10	-0.33	0.45	60.0-				;

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Correlation Values for Northwestern Ontario Section - A



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Correlation Values for Northwestern Ontario Section - B



Figure 52. Correlogram for intraspecific analysis of mink, muskrat and ermine fur return totals for Registered Traplines within Northwestern Ontario section B. Correlation Values for Northwestern Ontario Section - C



Figure 53. Correlogram for intraspecific analysis of mink, muskrat and ermine fur return totals for Registered Traplines within Northwestern Ontario section C. Correlation Values for Northwestern Ontario Section - D



Figure 54. Correlogram for intraspecific analysis of mink, muskrat and ermine fur return totals for Registered Traplines within Northwestern Ontario section D. Correlation Values for Northwestern Ontario Section - E



Figure 55. Correlogram for intraspecific analysis of mink, muskrat and ermine fur return totals for Registered Traplines within Northwestern Ontario section E.

Appendix 1. Intra- and interspecific correlation coefficients calculated for provincial mink, muskrat and ermine fur returns: 1919/20 - 1993/94

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Con	relation	Values	for Prov	vincial T	otals of	Mink be	tween 1	919/20	- 1993/	94
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Year	Ž	Ž	Ž	Ž	Ž	ž	Ž	Ž	ž	Ž
1919/20	16779		16779		16779		16779		16779	ļ
1920/21	14120	16779	14120		14120		14120		14120	ļ
1921/22	29233	14120	29233	16779	29233	100000	29233		29233	ļ
1922/23	19531	29233	19531	14120	19531	16/79	19531	40770	19531	
1923/24	28120	19531	20120	29233	28120	14120	28120	16/79	28120	48770
1924/20	16255	12712	16255	18031	12/12	29233	12/12	14120	12/12	10//9
1920/20	10333	16255	10333	12712	10333	29120	10355	29233	10333	14120
1920/21	0233	10335	0933	16365	0922	20120	0833	28120	0833	28233
1928/20	11308	0833 I	11308	10748	11308	18355	11208	12712	11208	28120
1929/30	10729	11308	10729	0833	10729	10748	10729	16355	110729	12712
1930/31	11701	10729	11701	11308	11701	9833	11701	10748	11701	16355
1931/32	12941	11701	12941	10729	12941	11308	12941	9833	12941	10748
1932/33	20860	12941	20860	11701	20860	10729	20860	11308	20860	9833
1933/34	28888	20860	28888	12941	28888	11701	28888	10729	28888	11308
1934/35	21493	28888	21493	20860	21493	12941	21493	11701	21493	10729
1935/36	17037	21493	17037	28888	17037	20860	17037	12941	17037	11701
1936/37	15083	17037	15083	21493	15083	28888	15083	20860	15083	12941
1937/38	11021	15083	11021	17037	11021	21493	11021	28888	11021	20860
1938/39	13894	11021	13894	15083	13894	17037	13894	21493	13894	28888
1939/40	17676	13894	17676	11021	17676	15083	17676	17037	17676	21493
1940/41	26382	17676	26382	13894	26382	11021	26382	15083	26382	17037
1941/42	28712	26382	28712	17676	28712	13894	28712	11021	28712	15083
1942/43	18356	28712	18356	26382	18356	17676	18356	13894	18356	11021
1943/44	21067	18356	21067	28712	21067	26382	21067	17676	21067	13894
1944/45	15338	21067	15338	18356	15338	28712	15338	26382	15338	17676
1945/46	12801	15338	12801	21067	12801	18356	12801	28712	12801	26382
1946/47	15850	12801	15850	15338	15850	21067	15850	18356	15850	28712
1947/48	18778	15850	18778	12801	18778	15338	18778	21067	18778	18356
1948/49	22932	18778	22932	15850	22932	12801	22932	15338	22932	21067
1949/50	29456	22932	29456	18778	29456	15850	29456	12801	29456	15338
1950/51	25212	29456	25212	22932	25212	18778	25212	15850	25212	12801
1951/52	26056	25212	26056	29456	26056	22932	26056	18778	26056	15850
1952/53	26401	26056	26401	25212	26401	29456	26401	22932	26401	18778
1953/54	18432	26401	18432	26056	18432	25212	18432	29456	18432	22932
1954/55	17579	18432	17579	26401	17579	26056	17579	25212	17579	29456
1955/56	15384	17579	15384	18432	15384	26401	15384	26056	15384	25212
1956/57	27041	15384	27041	17579	27041	18432	27041	26401	27041	26056
1957/58	37854	27041	37854	15384	37854	17579	37854	18432	37854	26401
1958/59	27397	37854	27397	27041	27397	15384	27397	17579	27397	18432

1959/60	27594	27397	27594	37854	27594	27041	27594	15384	27594	17579
1960/61	30679	27594	30679	27397	30679	37854	30679	27041	30679	15384
1961/62	22559	30679	22559	27594	22559	27397	22559	37854	22559	27041
1962/63	18408	22559	18408	30679	18408	27594	18408	27397	18408	37854
1963/64	16412	18408	16412	22559	16412	30679	16412	27594	16412	27397
1964/65	17291	16412	17291	18408	17291	22559	17291	30679	17291	27594
1965/66	15778	17291	15778	16412	15778	18408	15778	22559	15778	30679
1966/67	20099	15778	20099	17291	20099	16412	20099	18408	20099	22559
1967/68	25874	20099	25874	15778	25874	17291	25874	16412	25874	18408
1968/69	33104	25874	33104	20099	33104	15778	33104	17291	33104	16412
1969/70	21522	33104	21522	25874	21522	20099	21522	15778	21522	17291
1970/71	9592	21522	9592	33104	9592	25874	9592	20099	9592	15778
1971/72	10686	9592	10686	21522	10686	33104	10686	25874	10686	20099
1972/73	20368	10686	20368	9592	20368	21522	20368	33104	20368	25874
1973/74	10904	20368	10904	10686	10904	9592	10904	21522	10904	33104
1974/75	12420	10904	12420	20368	12420	10686	12420	9592	12420	21522
1975/76	11961	12420	11961	10904	11961	20368	11961	10686	11961	9592
1976/77	22379	11961	22379	12420	22379	10904	22379	20368	22379	10686
1977/78	19408	22379	19408	11961	19408	12420	19408	10904	19408	20368
1978/79	20284	19408	20284	22379	20284	11961	20284	12420	20284	10904
1979/80	24869	20284	24869	19408	24869	22379	24869	11961	24869	12420
1980/81	19721	24869	19721	20284	19721	19408	19721	22379	19721	11961
1981/82	14994	19721	14994	24869	14994	20284	14994	19408	14994	22379
1982/83	9910	14994	9910	19721	9910	24869	9910	20284	9910	19408
1983/84	7314	9910	7314	14994	7314	19721	7314	24869	7314	20284
1984/85	11976	7314	11976	9910	11976	14994	11976	19721	11976	24869
1985/86	20105	11976	20105	7314	20105	9910	20105	14994	20105	19721
1986/87	15311	20105	15311	11976	15311	7314	15311	9910	15311	14994
1987/88	18681	15311	18681	20105	18681	11976	18681	7314	18681	9910
1988/89	12514	18681	12514	15311	12514	20105	12514	11976	12514	7314
1989/90	11922	12514	11922	18681	11922	15311	11922	20105	11922	11976
1990/91	4002	11922	4002	12514	4002	18681	4002	15311	4002	20105
1991/92	6309	4002	6309	11922	6309	12514	6309	18681	6309	15311
1992/93	6475	6309	6475	4002	6475	11922	6475	12514	6475	18681
1993/94	5073	6475	5073	6309	5073	4002	5073	11922	5073	12514
		5073		6475	1	6309		4002		11922
			11	5073	1	6475	1	6309		4002
	0.618	10504	1		1	5073	1	6475		6309
			0.345	24423	1		1	5073		6475
				1	0.074	07636				5073
		1					-0.044	04819		
					·				-0.093	14787
		1								
Cor	relation	Values	for Prov	vincial T	otals of	Mink be	etween '	1919/20	- 1993/	94
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			1							
		6 years out		: 7 years out		8 years out		9 years out		: 10 years out
Year	Min	Min	Mink	Mink	Mink	Mink	Mink	Mink	Mink	Mink
1919/20	16779		16779		16779		16779		16779	
1920/21	14120		14120		14120		14120		14120	
1921/22	29233		29233		29233		29233		29233	
1922/23	19531		19531		19531		19531		19531	
1923/24	28120		28120		28120		28120		28120	
1924/25	12712		12712		12712		12712		12712	
1925/26	16355	16779	16355		16355		16355		16355	
1926/27	10748	14120	10748	16779	10748		10748		10748	
1927/28	9833	29233	9833	14120	9833	16779	9833		9833	
1928/29	11308	19531	11308	29233	11308	14120	11308	16779	11308	
1929/30	10729	28120	10729	19531	10729	29233	10729	14120	10729	16779
1930/31	11701	12712	11701	28120	11701	19531	11701	29233	11701	14120
1931/32	12941	16355	12941	12712	12941	28120	12941	19531	12941	29233
1932/33	20860	10748	20860	16355	20860	12712	20860	28120	20860	19531
1933/34	28888	9833	28888	10748	28888	16355	28888	12712	28888	28120
1934/35	21493	11308	21493	9833	21493	10748	21493	16355	21493	12712
1935/36	17037	10729	17037	11308	17037	9833	17037	10748	17037	16355
1936/37	15083	11701	15083	10729	15083	11308	15083	9833	15083	10748
1937/38	11021	12941	11021	11701	11021	10729	11021	11308	11021	9833
1938/39	13894	20860	13894	12941	13894	11701	13894	10729	13894	11308
1939/40	17676	28888	17676	20860	17676	12941	17676	11701	17676	10729
1940/41	26382	21493	26382	28888	26382	20860	26382	12941	26382	11701
1941/42	28712	17037	28712	21493	28712	28888	28712	20860	28712	12941
1942/43	18356	15083	18356	17037	18356	21493	18356	28888	18356	20860
1943/44	21067	11021	21067	15083	21067	17037	21067	21493	21067	28888
1944/45	15338	13894	15338	11021	15338	15083	15338	17037	15338	21493
1945/46	12801	17676	12801	13894	12801	11021	12801	15083	12801	17037
1946/47	15850	26382	15850	17676	15850	13894	15850	11021	15850	15083
1947/48	18778	28712	18778	26382	18778	17676	18778	13894	18778	11021
1948/49	22932	18356	22932	28712	22932	26382	22932	17676	22932	13894
1949/50	29456	21067	29456	18356	29456	28712	29456	26382	29456	17676
1950/51	25212	15338	25212	21067	25212	18356	25212	28712	25212	26382
1951/52	26056	12801	26056	15338	26056	21067	26056	18356	26056	28712
1952/53	26401	15850	26401	12801	26401	15338	26401	21067	26401	18356
1953/54	18432	18778	18432	15850	18432	12801	18432	15338	18432	21067
1954/55	17579	22932	17579	18778	17579	15850	17579	12801	17579	15338
1955/56	15384	29456	15384	22932	15384	18778	15384	15850	15384	12801
1956/57	27041	25212	27041	29456	27041	22932	27041	18778	27041	15850
1957/58	37854	26056	37854	25212	37854	29456	37854	22932	37854	18778
1958/59	27397	26401	27397	26056	27397	25212	27397	29456	27397	22932

1959/6	0 2759	4 18432	2 2759	4 26401	2759	4 26056	6 2759	4 25212	2759	29456
1960/6	1 30679	9 17579	3067	9 18432	3067	9 2640	1 3067	9 26056	30679	25212
1961/6	2 2255	9 15384	2255	9 17579	2255	9 18432	2 2255	9 26401	2255	26056
1962/63	3 18408	3 27041	1840	8 15384	1840	8 17578	1840	8 18432	18408	3 26401
1963/64	4 16412	2 37854	16412	2 27041	1641	2 15384	1 1641	2 17579	16412	18432
1964/6	5 17291	27397	1729	1 37854	1729	1 27041	1729	1 15384	17291	17579
1965/66	3 15778	3 27594	15778	3 27397	15778	3 37854	1 1577	8 27041	15778	15384
1966/67	2009	30679	2009	27594	2009	27397	2009	37854	20099	27041
1967/68	3 25874	22559	25874	1 30679	25874	27594	2587	1 27397	25874	37854
1968/69	33104	18408	3310	22559	3310	30679	3310	1 27594	33104	27397
1969/70	21522	16412	21522	2 18408	21522	2 22558	2152	2 30679	21522	27594
1970/71	9592	17291	9592	16412	9592	18408	9592	22559	9592	30679
1971/72	10686	15778	10686	17291	10686	16412	10686	18408	10686	22559
1972/73	20368	20099	20368	15778	20368	17291	20368	16412	20368	18408
1973/74	10904	25874	10904	20099	10904	15778	1090	17291	10904	16412
1974/75	12420	33104	12420	25874	12420	20099	12420	15778	12420	17291
1975/76	11961	21522	11961	33104	11961	25874	11961	20099	11961	15778
1976/77	22379	9592	22379	21522	22379	33104	22378	25874	22379	20099
1977/78	19408	10686	19408	9592	19408	21522	19408	33104	19408	25874
1978/79	20284	20368	20284	10686	20284	9592	20284	21522	20284	33104
1979/80	24869	10904	24869	20368	24869	10686	24869	9592	24869	21522
1980/81	19721	12420	19721	10904	19721	20368	19721	10686	19721	9592
1981/82	14994	11961	14994	12420	14994	10904	14994	20368	14994	10686
1982/83	9910	22379	9910	11961	9910	12420	9910	10904	9910	20368
1983/84	7314	19408	7314	22379	7314	11961	7314	12420	7314	10904
1984/85	11976	20284	11976	19408	11976	22379	11976	11961	11976	12420
1985/86	20105	24869	20105	20284	20105	19408	20105	22379	20105	11961
1986/87	15311	19721	15311	24869	15311	20284	15311	19408	15311	22379
1987/88	18681	14994	18681	19721	18681	24869	18681	20284	18681	19408
1988/89	12514	9910	12514	14994	12514	19721	12514	24869	12514	20284
1989/90	11922	7314	11922	9910	11922	14994	11922	19721	11922	24869
1990/91	4002	11976	4002	7314	4002	9910	4002	14994	4002	19721
1991/92	6309	20105	6309	11976	6309	7314	6309	9910	6309	14994
1003/04	64/5	15311	64/5	20105	6475	11976	6475	7314	6475	9910
1993/84	5073	10001	5073	15311	5073	20105	5073	11976	5073	7314
		12014		10001		15311		20105		11976
		4002		14022		10001		15311	h	20105
		6300		11922		12514	+	10001		15311
		6475		6300		11922	+	12514		10001
		5073	<u>├</u> ───-	6475		6200		11922		12014
		30/0	<u>├</u>	5072		6475		4002		4002
	-0.013	51657		30/3		6073		6475		6300
			02345	6396		50/5		5072		6475
			0.2040		0 445	815		50/5		5072
							0 430	4427		3073
							0.400		0 3511	9725
		han a second					+ I		0.0011	JI 60

Con	relation	Values	for Prov	vincial T	otals of	Mink be	etween 1	919/20	- 1969/	70
Year	Vink	Mink 1 year out	Mink	Mink 2 years out	Mink	Wink 3 years out	Vink	Mink 4 years out	Mink	Mink 5 years out
1919/20	16779		16779		16779		16779		16779	
1920/21	14120	16779	14120		14120		14120		14120	
1921/22	29233	14120	29233	16779	29233		29233		29233	
1922/23	19531	29233	19531	14120	19531	16779	19531		19531	
1923/24	28120	19531	28120	29233	28120	14120	28120	16779	28120	
1924/25	12712	28120	12712	19531	12712	29233	12712	14120	12712	16779
1925/26	16355	12712	16355	28120	16355	19531	16355	29233	16355	14120
1926/27	10748	16355	10748	12712	10748	28120	10748	19531	10748	29233
1927/28	9833	10748	9833	16355	9833	12712	9833	28120	9833	19531
1928/29	11308	9833	11308	10748	11308	16355	11308	12712	11308	28120
1929/30	10729	11308	10729	9833	10729	10748	10729	16355	10729	12712
1930/31	11701	10729	11701	11308	11701	9833	11701	10748	11701	16355
1931/32	12941	11701	12941	10729	12941	11308	12941	9833	12941	10748
1932/33	20860	12941	20860	11701	20860	10729	20860	11308	20860	9833
1933/34	28888	20860	28888	12941	28888	11701	28888	10729	28888	11308
1934/35	21493	28888	21493	20860	21493	12941	21493	11701	21493	10729
1935/36	17037	21493	17037	28888	17037	20860	17037	12941	17037	11701
1936/37	15083	17037	15083	21493	15083	28888	15083	20860	15083	12941
1937/38	11021	15083	11021	17037	11021	21493	11021	28888	11021	20860
1938/39	13894	11021	13894	15083	13894	17037	13894	21493	13894	28888
1939/40	17676	13894	17676	11021	17676	15083	17676	17037	17676	21493
1940/41	26382	17676	26382	13894	26382	11021	26382	15083	26382	17037
1941/42	28712	26382	28712	17676	28712	13894	28712	11021	28712	15083
1942/43	18356	28712	18356	26382	18356	17676	18356	13894	18356	11021
1943/44	21067	18356	21067	28712	21067	26382	21067	17676	21067	13894
1944/45	15338	21067	15338	18356	15338	28712	15338	26382	15338	17676
1945/46	12801	15338	12801	21067	12801	18356	12801	28712	12801	26382
1946/47	15850	12801	15850	15338	15850	21067	15850	18356	15850	28712
1947/48	18778	15850	18778	12801	18778	15338	18778	21067	18778	18356
1948/49	22932	18778	22932	15850	22932	12801	22932	15338	22932	21067
1949/50	29456	22932	29456	18778	29456	15850	29456	12801	29456	15338
1950/51	25212	29456	25212	22932	25212	18778	25212	15850	25212	12801
1951/52	26056	25212	26056	29456	26056	22932	26056	18778	26056	15850
1952/53	26401	26056	26401	25212	26401	29456	26401	22932	26401	18778
1953/54	18432	26401	18432	26056	18432	25212	18432	29456	18432	22932
1954/55	17579	18432	17579	26401	17579	26056	17579	25212	17579	29456
1955/56	15384	17579	15384	18432	15384	26401	15384	26056	15384	25212
1956/57	27041	15384	27041	17579	27041	18432	27041	26401	27041	26056
1957/58	37854	27041	37854	15384	37854	17579	37854	18432	37854	26401
1958/59	27397	37854	27397	27041	27397	15384	27397	17579	27397	18432

1959/60	27594	27397	27594	37854	27594	27041	27594	15384	27594	17579
1960/61	30679	27594	30679	27397	30679	37854	30679	27041	30679	15384
1961/62	22559	30679	22559	27594	22559	27397	22559	37854	22559	27041
1962/63	18408	22559	18408	30679	18408	27594	18408	27397	18408	37854
1963/64	16412	18408	16412	22559	16412	30679	16412	27594	16412	27397
1964/65	17291	16412	17291	18408	17291	22559	17291	30679	17291	27594
1965/66	15778	17291	15778	16412	15778	18408	15778	22559	15778	30679
1966/67	20099	15778	20099	17291	20099	16412	20099	18408	20099	22559
1967/68	25874	20099	25874	15778	25874	17291	25874	16412	25874	18408
1968/69	33104	25874	33104	20099	33104	15778	33104	17291	33104	16412
1969/70	21522	33104	21522	25874	21522	20099	21522	15778	21522	17291
		21522		33104		25874		20099		15778
				21522		33104		25874		20099
	0.548	81525				21522		33104		25874
			0.284	78806				21522		33104
					-0.040	83692				21522
							-0.194	92319		
			L						-0.204	38894
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Cor	relation	Values	for Prov	incial T	otals of	Mink be	etween '	919/20	- 1969/	70
	ļ								1	ļ
		6 years out		7 years out		8 years out		9 years out		10 years out
Year	Mink	Mink	Mink	Mink	Mink	Mink	Min	Min	Mink	Mink
1919/20	16779		16779		16779)	16779		16779	
1920/21	14120		14120		14120		14120		14120	
1921/22	29233		29233		29233		29233		29233	
1922/23	19531		19531		19531	ļ	19531		19531	
1923/24	28120		28120		28120		28120		28120	
1924/20	12/12	46770	12/12		12/12		12/12		12/12	
1920/20	10333	10//9	10300	46770	10300	<u> </u>	10300		10300	
1027/20	0833	14120	0922	14120	10/40	46770	0922		10/40	
1921/20	11308	28233	11209	14120	11209	14120	111209	16770	11209	
1920/29	10729	28120	10720	10531	10720	20233	10720	14120	10720	16770
1930/31	11701	12712	11701	28120	11701	10531	111701	29233	11701	14120
1931/32	12941	16355	12941	12712	12941	28120	12941	19531	12941	29233
1932/33	20860	10748	20860	16355	20860	12712	20860	28120	20860	19531
1933/34	28888	9833	28888	10748	28888	16355	28888	12712	28888	28120
1934/35	21493	11308	21493	9833	21493	10748	21493	16355	21493	12712
1935/36	17037	10729	17037	11308	17037	9833	17037	10748	17037	16355
1936/37	15083	11701	15083	10729	15083	11308	15083	9833	15083	10748
1937/38	11021	12941	11021	11701	11021	10729	11021	11308	11021	9833
1938/39	13894	20860	13894	12941	13894	11701	13894	10729	13894	11308
1939/40	17676	28888	17676	20860	17676	12941	17676	11701	17676	10729
1940/41	26382	21493	26382	28888	26382	20860	26382	12941	26382	11701
1941/42	28712	17037	28712	21493	28712	28888	28712	20860	28712	12941
1942/43	18356	15083	18356	17037	18356	21493	18356	28888	18356	20860
1943/44	21067	11021	21067	15083	21067	17037	21067	21493	21067	28888
1944/45	15338	13894	15338	11021	15338	15083	15338	17037	15338	21493
1945/46	12801	17676	12801	13894	12801	11021	12801	15083	12801	17037
1946/47	15850	26382	15850	17676	15850	13894	15850	11021	15850	15083
1947/48	18778	28712	18778	26382	18778	17676	18778	13894	18778	11021
1948/49	22932	18356	22932	28712	22932	26382	22932	17676	22932	13894
1949/50	29456	21067	29456	18356	29456	28712	29456	26382	29456	17676
1950/51	25212	15338	25212	21067	25212	18356	25212	28712	25212	26382
1951/52	26056	12801	26056	15338	26056	21067	26056	18356	26056	28712
1952/53	26401	15850	26401	12801	26401	15338	26401	21067	26401	18356
1953/54	18432	18778	18432	15850	18432	12801	18432	15338	18432	21067
1954/55	17579	22932	17579	18778	17579	15850	17579	12801	17579	15338
1955/56	15384	29456	15384	22932	15384	18778	15384	15850	15384	12801
1956/57	2/041	25212	27041	29456	27041	22932	27041	18778	27041	15850
1957/58	37854	26056	37854	25212	37854	29456	37854	22932	37854	18/78
1958/59	27397	26401	27397	26056	27397	25212	27397	29456	27397	229321

1959/60	27594	18432	27594	26401	27594	26056	27594	25212	27594	29456
1960/61	30679	17579	30679	18432	30679	26401	30679	26056	30679	25212
1961/62	22559	15384	22559	17579	22559	18432	22559	26401	22559	26056
1962/63	18408	27041	18408	15384	18408	17579	18408	18432	18408	26401
1963/64	16412	37854	16412	27041	16412	15384	16412	17579	16412	18432
1964/65	17291	27397	17291	37854	17291	27041	17291	15384	17291	17579
1965/66	15778	27594	15778	27397	15778	37854	15778	27041	15778	15384
1966/67	20099	30679	20099	27594	20099	27397	20099	37854	20099	27041
1967/68	25874	22559	25874	30679	25874	27594	25874	27397	25874	37854
1968/69	33104	18408	33104	22559	33104	30679	33104	27594	33104	27397
1969/70	21522	16412	21522	18408	21522	22559	21522	30679	21522	27594
		17291	1	16412		18408	1	22559		30679
		15778	1	17291	1	16412	†	18408		22559
		20099		15778	1	17291	1	16412		18408
		25874	1	20099		15778		17291		16412
		33104		25874		20099	<u> </u>	15778		17291
		21522		33104	1	25874	1	20099		15778
				21522	1	33104		25874		20099
	-0.079	2374			1	21522		33104	1	25874
			0.201	80319				21522	+i	33104
					0.437	29984			1	21522
					1		0.395	66648		
					1				0.3767	73279

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Con	relation	Values	for Prov	vincial T	otals of	Mink be	etween 1	970/70	- 1993/	94
Veer	link	link 1 year out	link	link 2 years out	link	link 3 years out	link	link 4 years out	link	link 5 years out
1970/71	2	2	2	2	9592	_≥	2	2	2 9592	2
1971/72	10686	9592	10686		10686		10686		10686	
1972/73	20368	10686	20368	9592	20368		20368		20368	
1973/74	10904	20368	10904	10686	10904	9592	10904		10904	
1974/75	12420	10904	12420	20368	12420	10686	12420	9592	12420	
1975/76	11961	12420	11061	10004	11061	20368	11061	10686	11061	9592
1976/77	22379	11961	22379	12420	22379	10904	22379	20368	22379	10686
1977/7R	19408	22379	19408	11961	19408	12420	19408	10904	19408	20368
1978/79	20284	19408	20284	22379	20284	11961	20284	12420	20284	10904
1979/80	24869	20284	24869	19408	24869	22379	24869	11961	24869	12420
1980/81	19721	24869	19721	20284	19721	19408	19721	22379	19721	11961
1981/82	14994	19721	14994	24869	14994	20284	14994	19408	14994	22379
1982/83	9910	14994	9910	19721	9910	24869	9910	20284	9910	19408
1983/84	7314	9910	7314	14994	7314	19721	7314	24869	7314	20284
1984/85	11976	7314	11976	9910	11976	14994	11976	19721	11976	24869
1985/86	20105	11976	20105	7314	20105	9910	20105	14994	20105	19721
1986/87	15311	20105	15311	11976	15311	7314	15311	9910	15311	14994
1987/88	18681	15311	18681	20105	18681	11976	18681	7314	18681	9910
1988/89	12514	18681	12514	15311	12514	20105	12514	11976	12514	7314
1989/90	11922	12514	11922	18681	11922	15311	11922	20105	11922	11976
1990/91	4002	11922	4002	12514	4002	18681	4002	15311	4002	20105
1991/92	6309	4002	6309	11922	6309	12514	6309	18681	6309	15311
1992/93	6475	6309	6475	4002	6475	11922	6475	12514	6475	18681
1993/94	5073	6475	5073	6309	5073	4002	5073	11922	5073	12514
		5073		6475		6309		4002		11922
			<u> </u>	5073	+	6475	+	6309		4002
	0.579	18162			+	5073		6475		6309
			0.332	31225				5073		6475
					0.033	3377			f	5073
			+				-0.157	00306		
			<u> </u>		+	+			-0.289	55583
					<u> </u>	1	<u> </u>			
			†{		+		1	†	<u>† · </u>	
			<u> </u>		1		1	+	<u>├</u>	
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Con	relation	Values	for Prov	vincial T	otals of	Mink be	etween	1970/70	- 1993/	94
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Year	ŝ	Ē	Ę	ŝ	ŝ	in the	ŝ	i i	Ē	1 E
1970/71	9592	2	0502	2	0502	2	2 9592	2	0592	2
1971/72	10686		10686		10686		10686		10686	
1972/73	20368		20368		20368		20368		20368	
1973/74	10904		10904	<u> </u>	10904		10904		10904	<u> </u>
1974/75	12420	i	12420		12420		12420		12420	
1975/76	11961		11961		11961		11961		11961	j
1976/77	22379	9592	22379	1	22379		22379	i	22379	
1977/78	19408	10686	19408	9592	19408		19408	1	19408	
1978/79	20284	20368	20284	10686	20284	9592	20284		20284	
1979/80	24869	10904	24869	20368	24869	10686	24869	9592	24869	
1980/81	19721	12420	19721	10904	19721	20368	19721	10686	19721	9592
1981/82	14994	11961	14994	12420	14994	10904	14994	20368	14994	10686
1982/83	9910	22379	9910	11961	9910	12420	9910	10904	9910	20368
1983/84	7314	19408	7314	22379	7314	11961	7314	12420	7314	10904
1984/85	11976	20284	11976	19408	11976	22379	11976	11961	11976	12420
1985/86	20105	24869	20105	20284	20105	19408	20105	22379	20105	11961
1986/87	15311	19721	15311	24869	15311	20284	15311	19408	15311	22379
1987/88	18681	14994	18681	19721	18681	24869	18681	20284	18681	19408
1988/89	12514	9910	12514	14994	12514	19721	12514	24869	12514	20284
1989/90	11922	7314	11922	9910	11922	14994	11922	19721	11922	24869
1990/91	4002	11976	4002	7314	4002	9910	4002	14994	4002	19721
1991/92	6309	20105	6309	11976	6309	7314	6309	9910	6309	14994
1992/93	6475	15311	6475	20105	6475	11976	6475	7314	6475	9910
1993/94	5073	18681	5073	15311	5073	20105	5073	11976	5073	7314
		12514	ļ	18681	ļ	15311		20105		11976
		11922		12514		18681		15311		20105
		4002		11922	<u> </u>	12514		18081	<u> </u>	15311
		6475	┼╴╸╺╸┥	4002	<u>∤</u> {	11922	<u> </u>	12514	┼╍╍╍┤	10001
		6072		BATE	┟╾╍╺┥	400Z	<u> </u>	11922	<u> </u>	12014
		30/3		5072	<u> </u>	6475		4002	┼	11322
	-0 244	48944	┼	50/3		5072	<u> </u>	BATE	<u> </u>	6200
	-V.211		0 134	84107	╂{	3073	<u> </u>	5072	<u> </u>	6475
			0.131		0 245	20300	<u> </u>	30/3	╂	5073
			<u></u> † {		0.243	13308	0 288	55355	<u> </u>	3073
			┝╼╼──┤		╂────┤		0.200		0 073	29322
			L!		L	{	<u> </u>		1 4.01.04	

Cor	relation V	alues for F	Provincial	Totals of M	uskrats be	tween 19	19/20 - 199	3/94
Year	Muskrat	Muskrat 1 Year out	Muskrat	Muskrat 2 Years out	Muskrat	Muskrat 3 Years out	Muskrat	Muskrat 4 Years out
1919/20	518288		518288		518288		518288	-
1920/21	396180	518288	396180		396180	h	396180	
1921/22	511529	396180	511529	518288	511529	1	511529	
1922/23	602100	511529	602100	396180	602100	518288	602100	
1923/24	554716	602100	554716	511529	554716	396180	554716	518288
1924/25	306906	554716	306906	602100	306906	511529	306906	396180
1925/26	441623	306906	441623	554716	441623	602100	441623	511529
1926/27	226841	441623	226841	306906	226841	554716	226841	602100
1927/28	213866	226841	213866	441623	213866	306906	213866	554716
1928/29	236398	213866	236398	226841	236398	441623	236398	306906
1929/30	251986	236398	251986	213866	251986	226841	251986	441623
1930/31	300624	251986	300624	236398	300624	213866	300624	226841
1931/32	441378	300624	441378	251986	441378	236398	441378	213866
1932/33	421799	441378	421799	300624	421799	251986	421799	236398
1933/34	385060	421799	385060	441378	385060	300624	385060	251986
1934/35	321828	385060	321828	421799	321828	441378	321828	300624
1935/36	271885	321828	271885	385060	271885	421799	271885	441378
1936/37	324820	271885	324820	321828	324820	385060	324820	421799
1937/38	285440	324820	285440	271885	285440	321828	285440	385060
1938/39	374896	285440	374896	324820	374896	271885	374896	321828
1939/40	682375	374896	682375	285440	682375	324820	682375	271885
1940/41	659928	682375	659928	374896	659928	285440	659928	324820
1941/42	331362	659928	331362	682375	331362	374896	331362	285440
1942/43	280838	331362	280838	659928	280838	682375	280838	374896
1943/44	581862	280838	581862	331362	581862	659928	581862	682375
1944/45	855724	581862	855724	280838	855724	331362	855724	659928
1945/46	958099	855724	958099	581862	958099	280838	958099	331362
1946/47	808692	958099	808692	855724	808692	581862	808692	280838
1947/48	822998	808692	822998	958099	822998	855724	822998	581862
1948/49	930330	822998	930330	808692	930330	958099	930330	855724
1949/50	796456	930330	796456	822998	796456	808692	796456	958099
1950/51	679899	796456	679899	930330	679899	822998	679899	808692
1951/52	599794	679899	599794	796456	599794	930330	599794	822998
1952/53	721114	599794	721114	679899	721114	796456	721114	930330
1953/54	790472	721114	790472	599794	790472	679899	790472	796456
1954/55	1288120	790472	1288120	721114	1288120	599794	1288120	679899
1955/56	1462472	1288120	1462472	790472	1462472	721114	1462472	599794
1956/57	1003186	1462472	1003186	1288120	1003186	790472	1003186	721114
1957/58	680891	1003186	680891	1462472	680891	1288120	680891	790472

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					ļ			0.4253	1/209
					ļ	0.4869	62038	0.4050	47060
			0.6213	27142	Ļ				56256
	0.8417	69917		•	ļ		56256		22732
				56256	Į		22732		15068
		56256		22732	Ī		15068		10255
1993/94	56256	22732	56256	15068	Ī	56256	10255	56256	13103
1992/93	22732	15068	22732	10255	Ì	22732	13103	22732	40457
1991/92	15068	10255	15068	13103	Ì	15068	40457	15068	236156
1990/91	10255	13103	10255	40457	t	10255	236156	10255	215681
1989/90	13103	40457	13103	236156	t	13103	215681	13103	108395
1988/89	40457	236156	40457	215681	\dagger	40457	108395	40457	181123
1987/88	236156	215681	236156	108395	$\frac{1}{1}$	236156	181123	236156	235980
1986/87	215681	108395	215681	181123	÷	215681	235980	215681	168047
1985/86	108395	181123	108395	235980	+	108395	168047	108395	144065
1984/85	181123	235980	181123	168047	+	181123	144065	181123	396366
1983/84	235080	168047	235080	144065	÷	235020	306366	235090	328704
1982/83	168047	144065	168047	306366	-	168047	378704	168047	161551
1981/22	144065	306366	144065	329704	1	144065	161664	144025	202664
1020/24	306366	329704	306366	161554	+	320/04	202664	320/04	411383
1070/20	328704	161651	101001	202664	ł	328704	300333	329704	411202
1079/70	161554	202664	161554	411393	+	161551	411202	161554	122102
1077/70	202554	411393	202664	411302	+	203664	144102	383333	24/1/5
19/5//6	411393	280007	411393	122182	ļ	411393	24/1/5	411393	4/25/9
19/4//0	200007	122182	285557	24/1/5	+	285557	472579	285557	388/14
1973/74	122182	247175	122182	472579	4	122182	388714	122182	250212
1972/73	247175	472579	247175	388714	4	247175	250212	247175	294116
1971/72	472579	388714	472579	250212	Ļ	472579	294116	472579	442268
1970/71	388714	250212	388714	294116	Ļ	388714	442268	388714	387875
1969/70	250212	294116	250212	442268	I	250212	387875	250212	589290
1968/69	294116	442268	294116	387875	I	294116	589290	294116	348098
1967/68	442268	387875	442268	589290		442268	348098	442268	249067
1966/67	387875	589290	387875	348098		387875	249067	387875	140618
1965/66	589290	348098	589290	249067	T	589290	140618	589290	166323
1964/65	348098	249067	348098	140618	I	348098	166323	348098	338037
1963/64	249067	140618	249067	166323	Ħ	249067	338037	249067	214542
1962/63	140618	166323	140618	338037	H	140618	214542	140618	360287
1961/62	166323	338037	166323	214542		166323	360287	166323	680891
1960/61	338037	214542	338037	360287	H	338037	680891	338037	1003186
1959/60	214542	360287	214542	680891	Η	214542	1003186	214542	1462472
1958/59	360287	680891	360287	1003186		360287	1462472	360287	1288120

Con	relation Va	alues for F	Provincial T	otals of N		iskrats be	tween 191	19/20 - 19	93/94
Year	Wuskrat	Muskrat 5 Years out	Muskrat	Muskrat 6 Years out		Muskrat	Muskrat 7 Years out	Vuskrat	Muskrat 8 Years out
1919/20	518288		518288		ł	518288	-	518288	
1920/21	396180		396180		t	396180	┟╌╌╼╌╾┥	396180	
1921/22	511529		511529		t	511529		511529	+
1922/23	602100		602100		t	602100		602100	
1923/24	554716		554716			554716		554716	
1924/25	306906	518288	306906		İ	306906		306906	
1925/26	441623	396180	441623	518288		441623		441623	
1926/27	226841	511529	226841	396180	Π	226841	518288	226841	1
1927/28	213866	602100	213866	511529	Ì	213866	396180	213866	518288
1928/29	236398	554716	236398	602100	h	236398	511529	236398	396180
1929/30	251986	306906	251986	554716		251986	602100	251986	511529
1930/31	300624	441623	300624	306906	Η	300624	554716	300624	602100
1931/32	441378	226841	441378	441623	Π	441378	306906	441378	554716
1932/33	421799	213866	421799	226841		421799	441623	421799	306906
1933/34	385060	236398	385060	213866	Π	385060	226841	385060	441623
1934/35	321828	251986	321828	236398		321828	213866	321828	226841
1935/36	271885	300624	271885	251986		271885	236398	271885	213866
1936/37	324820	441378	324820	300624		324820	251986	324820	236398
1937/38	285440	421799	285440	441378	Η	285440	300624	285440	251986
1938/39	374896	385060	374896	421799	H	374896	441378	374896	300624
1939/40	682375	321828	682375	385060		682375	421799	682375	441378
1940/41	659928	271885	659928	321828	Π	659928	385060	659928	421799
1941/42	331362	324820	331362	271885	Π	331362	321828	331362	385060
1942/43	280838	285440	280838	324820		280838	271885	280838	321828
1943/44	581862	374896	581862	285440	Η	581862	324820	581862	271885
1944/45	855724	682375	855724	374896	1	855724	285440	855724	324820
1945/46	958099	659928	958099	682375	T	958099	374896	958099	285440
1946/47	808692	331362	808692	659928		808692	682375	808692	374896
1947/48	822998	280838	822998	331362	ł	822998	659928	822998	682375
1948/49	930330	581862	930330	280838	H	930330	331362	930330	659928
1949/50	796456	855724	796456	581862	t	796456	280838	796456	331362
1950/51	679899	958099	679899	855724	$\frac{1}{1}$	679899	581862	679899	280838
1951/52	599794	808692	599794	958099	\dagger	599794	855724	599794	581862
1952/53	721114	822998	721114	808692	\dagger	721114	958099	721114	855724
1953/54	790472	930330	790472	822998	\dagger	790472	808692	790472	958099
1954/55	1288120	796456	1288120	930330	\dagger	1288120	822998	1288120	808692
1955/56	1462472	679899	1462472	796456	\dagger	1462472	930330	1462472	822998
1956/57	1003186	599794	1003186	679899	t	1003186	796456	1003186	930330
1957/58	680891	721114	680891	599794	İ	680891	679899	680891	796456

1958/59	360287	790472	360287	721114	360287	599794	360287	679899
1959/60	214542	1288120	214542	790472	214542	721114	214542	599794
1960/61	338037	1462472	338037	1288120	338037	790472	338037	721114
1961/62	166323	1003186	166323	1462472	166323	1288120	166323	790472
1962/63	140618	680891	140618	1003186	140618	1462472	140618	1288120
1963/64	249067	360287	249067	680891	249067	1003186	249067	1462472
1964/65	348098	214542	348098	360287	348098	680891	348098	1003186
1965/66	589290	338037	589290	214542	589290	360287	589290	680891
1966/67	387875	166323	387875	338037	387875	214542	387875	360287
1967/68	442268	140618	442268	166323	442268	338037	442268	214542
1968/69	294116	249067	294116	140618	294116	166323	294116	338037
1969/70	250212	348098	250212	249067	250212	140618	250212	166323
1970/71	388714	589290	388714	348098	388714	249067	388714	140618
1971/72	472579	387875	472579	589290	472579	348098	472579	249067
1972/73	247175	442268	247175	387875	247175	589290	247175	348098
1973/74	122182	294116	122182	442268	122182	387875	122182	589290
1974/75	285557	250212	285557	294116	285557	442268	285557	387875
1975/76	411393	388714	411393	250212	411393	294116	411393	442268
1976/77	399333	472579	399333	388714	399333	250212	399333	294116
1977/78	203664	247175	203664	472579	203664	388714	203664	250212
1978/79	161551	122182	161551	247175	161551	472579	161551	388714
1979/80	328704	285557	328704	122182	328704	247175	328704	472579
1980/81	396366	411393	396366	285557	396366	122182	396366	247175
1981/82	144065	399333	144065	411393	144065	285557	144065	122182
1982/83	168047	203664	168047	399333	168047	411393	168047	285557
1983/84	235980	161551	235980	203664	235980	399333	235980	411393
1984/85	181123	328704	181123	161551	181123	203664	181123	399333
1985/86	108395	396366	108395	328704	108395	161551	108395	203664
1986/87	215681	144065	215681	396366	215681	328704	215681	161551
1987/88	236156	168047	236156	144065	236156	396366	236156	328704
1988/89	40457	235980	40457	168047	40457	144065	40457	396366
1989/90	13103	181123	13103	235980	13103	168047	13103	144065
1990/91	10255	108395	10255	181123	10255	235980	10255	168047
1991/92	15068	215681	15068	108395	15068	181123	15068	235980
1992/93	22732	236156	22732	215681	22732	108395	22732	181123
1993/94	56256	40457	56256	236156	56256	215681	56256	108395
		13103		40457		236156		215681
		10255		13103		40457		236156
		15068		10255		13103		40457
		22732		15068		10255		13103
		56256		22732		15068		10255
				56256		22732		15068
	0.3837	40115				56256		22732
			0.3394	30595				56256
					0.3172	58977		
							0.3341	05649
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Co	relation V	alues for	Provincial	Totals of M	Muskrats	between	1919/2	0 - 1993	/94
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Year	ž	N M	N N	Ň	1				
1919/20	518288		518288		1				
1920/21	396180		396180						
1921/22	511529		511529						
1922/23	602100		602100						
1923/24	554716		554716						
1924/25	306906		306906	<u> </u>	l 		L		<u> </u>
1925/26	441623		441623	ļ	 +			 	
1926/27	226841	 	226841	<u> </u>				 	
1927/28	213866		213866		<u>.</u>			:	ļ
1928/29	236398	518288	236398					! 	·
1929/30	251986	396180	251986	518288					<u>.</u>
1930/31	300624	511529	300624	396180				<u> </u>	<u> </u>
1931/32	4413/8	602100	441378	511529					<u> </u>
1932/33	421/99	200000	421/99	602100					<u>.</u>
1933/34	305000	300900	300000	209006					
1035/36	271995	226941	321020	300900				<u> </u>	÷
1936/37	324820	212866	27 1005	226941					÷
1937/38	285440	235308	285440	213866				;	<u>.</u>
1938/39	374896	251986	374896	236398					÷
1939/40	682375	300624	682375	251986					<u>.</u>
1940/41	659928	441378	659928	300624					
1941/42	331362	421799	331362	441378					<u>.</u>
1942/43	280838	385060	280838	421799					<u> </u>
1943/44	581862	321828	581862	385060		<u> </u> i			<u>.</u>
1944/45	855724	271885	855724	321828		i			<u> </u>
1945/46	958099	324820	958099	271885					
1946/47	808692	285440	808692	324820					
1947/48	822998	374896	822998	285440					
1948/49	930330	682375	930330	374896					
1949/50	796456	659928	796456	682375					
1950/51	679899	331362	679899	659928		i			
1951/52	599794	280838	599794	331362					
1952/53	721114	581862	721114	280838					
1953/54	790472	855724	790472	581862					
1954/55	1288120	958099	1288120	855724					
1955/56	1462472	808692	1462472	958099					
1956/57	1003186	822998	1003186	808692					
1957/58	680891	930330	680891	822998	1				

1059/50	260297	706456	260207	1 020220	1	!	· · · · · · · · · · · · · · · · · · ·		
1930/39	300207	790400	300207	930330		L	<u>i</u>	ļ	<u> </u>
1929/00	214542	013933	214342	/90450			ļ	 	Ļ
1960/61	338037	599794	338037	679899			ļ		
1961/62	166323	721114	166323	599794			L		
1962/63	140618	790472	140618	721114					
1963/64	249067	1288120	249067	790472					
1964/65	348098	1462472	348098	1288120					
1965/66	589290	1003186	589290	1462472					
1966/67	387875	680891	387875	1003186		_			
1967/68	442268	360287	442268	680891					1
1968/69	294116	214542	294116	360287					
1969/70	250212	338037	250212	214542					
1970/71	388714	166323	388714	338037					
1971/72	472579	140618	472579	166323					
1972/73	247175	249067	247175	140618					
1973/74	122182	348098	122182	249067			<u>↓</u> }		
1974/75	285557	589290	285557	348098					
1975/76	411393	387875	411393	589290					·
1976/77	399333	442268	399333	387875					
1977/78	203664	294116	203664	442268					
1978/79	161551	250212	161551	294116					
1979/80	328704	388714	328704	250212					
1980/81	396366	472579	396366	388714					
1981/82	144065	247175	144065	472570					
1982/83	168047	122182	168047	247175					
1083/84	235080	285557	235080	122182					
1094/85	191122	A11303	191122	295557					
1085/86	109305	200322	109205	411202					
1096/97	215691	202664	215691	200222					
1097/99	210001	161551	215001	333333 202664					
1092/90	40457	229704	230130	203004					
1000/03	40407	320704	40457	101331					
1909/90	40255	380300	13103	320/04					
1990/91	10200	194005	10200	390300					
1991/92	10000	10004/	10000	144000					
1992/93	22/32	235980	22/32	108047					
1993/94	50230	181123	50250	235980					
		045604		107123					
		215681		108395					
		236156		215681					
		4045/		230150					
		13103		40457					
		10255		13103					
		15068		10255					
		22732		15068					
		56256		22732					
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Muskrat 1 Ye Muskrat 2 Ye Muskrat 3 Ye Muskrat 3 Ye	Muskrat 4 Years of
1919/20 518288 518288 518288 518288	
1920/21 396180 518288 396180 396180 396180 396180	
1921/22 511529 396180 511529 518288 511529 511529	
1922/23 602100 511529 602100 396180 602100 518288 602100	
1923/24 554716 602100 554716 511529 554716 396180 554716	518288
1924/25 306906 554716 306906 602100 306906 511529 306906	396180
1925/26 441623 306906 441623 554716 441623 602100 441623	511529
1926/27 226841 441623 226841 306906 226841 554716 226841	602100
1927/28 213866 226841 213866 441623 213866 306906 213866	554716
1928/29 236398 213866 236398 226841 236398 441623 236398	306906
	441623
1930/31 300624 251986 300624 236398 300624 213866 300624	226841
1931/32 441378 300624 441378 251986 441378 236398 441378	213866
1932/33 421799 441378 421799 300624 421799 251986 421799	236398
1933/34 385060 421799 385060 441378 385060 300624 385060	251986
1934/35 321828 385060 321828 421799 321828 441378 321828	300624
1935/36 271885 321828 271885 385060 271885 421799 271885	441378
1936/37 324820 271885 324820 321828 324820 385060 324820	421799
1937/38 285440 324820 285440 271885 285440 321828 285440	385060
1938/39 374896 285440 374896 324820 374896 271885 374896	321828
1939/40 682375 374896 682375 285440 682375 324820 682375	271885
1940/41 659928 682375 659928 374896 659928 285440 659928	324820
1941/42 331362 659928 331362 682375 331362 374896 331362	285440
1942/43 280838 331362 280838 659928 280838 682375 280838	374896
1943/44 581862 280838 581862 331362 581862 659928 581862	682375
1944/45 855724 581862 855724 280838 855724 331362 855724	659928
1945/46 958099 855724 958099 581862 958099 280838 958099	331362
1946/47 808692 958099 808692 855724 808692 581862 808692	280838
1947/48 822998 808692 822998 958099 822998 855724 822998	581862
1948/49 930330 822998 930330 808692 930330 958099 930330	855724
1949/50 796456 930330 796456 822998 796456 808692 796456	958099
1950/51 679899 796456 679899 930330 679899 822998 679899	808692
1951/52 599794 679899 509704 706456 500704 030330 500704	822998
1952/53 721114 599794 721114 679899 721114 798458 721114	930330
1953/54 790472 721114 700472 500704 700472 670800 700472	796456
1954/55 1288120 790472 1288120 721114 1288120 590704 1288120	679899
1955/56 1462472 1288120 1462472 790472 1462472 721114 1462472	599794
1956/57 1003186 1462472 1003186 1288120 1003186 790472 11003186	721114
1957/58 680891 1003186 680891 1462472 680891 1288120 680891	790472

1958/59	360287	680891	360287	1003186	360287	1462472	360287	1288120
1959/60	214542	360287	214542	680891	214542	1003186	214542	1462472
1960/61	338037	214542	338037	360287	338037	680891	338037	1003186
1961/62	166323	338037	166323	214542	166323	360287	166323	680891
1962/63	140618	166323	140618	338037	140618	214542	140618	360287
1963/64	249067	140618	249067	166323	249067	338037	249067	214542
1964/65	348098	249067	348098	140618	348098	166323	348098	338037
1965/66	589290	348098	589290	249067	589290	140618	589290	166323
1966/67	387875	589290	387875	348098	387875	249067	387875	140618
1967/68	442268	387875	442268	589290	442268	348098	442268	249067
1968/69	294116	442268	294116	387875	294116	589290	294116	348098
1969/70	250212	294116	250212	442268	250212	387875	250212	589290
		250212		294116		442268		387875
				250212		294116		442268
	0.8058	45219				250212		294116
			0.5230	73839				250212
					0.3127	76473		
							0.2022	47148
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Con	relation V	alues for F	Provincial 1	otals of N	li.	iskrats be	tween 19	19/20 - 196	9/70
Year	Muskrat	Muskrat 5 Years out	Muskrat	Muskrat 6 Years out		Muskrat	Muskrat 7 Years out	Muskrat	Muskrat 8 Years out
1919/20	518288	G	518288		t	518288		518288	
1920/21	396180		396180		ħ	396180		396180	
1921/22	511529		511529		Ħ	511529		511529	
1922/23	602100		602100		t	602100		602100	
1923/24	554716		554716		H	554716		554716	
1924/25	306906	518288	306906	<u> </u>	İ	306906		306906	
1925/26	441623	396180	441623	518288		441623		441623	
1926/27	226841	511529	226841	396180	Ħ	226841	518288	226841	
1927/28	213866	602100	213866	511529	Η	213866	396180	213866	518288
1928/29	236398	554716	236398	602100	Ħ	236398	511529	236398	396180
1929/30	251986	306906	251986	554716	H	251986	602100	251986	511529
1930/31	300624	441623	300624	306906	Π	300624	554716	300624	602100
1931/32	441378	226841	441378	441623	İ	441378	306906	441378	554716
1932/33	421799	213866	421799	226841	Π	421799	441623	421799	306906
1933/34	385060	236398	385060	213866	Π	385060	226841	385060	441623
1934/35	321828	251986	321828	236398	Π	321828	213866	321828	226841
1935/36	271885	300624	271885	251986		271885	236398	271885	213866
1936/37	324820	441378	324820	300624	Π	324820	251986	324820	236398
1937/38	285440	421799	285440	441378	Π	285440	300624	285440	251986
1938/39	374896	385060	374896	421799		374896	441378	374896	300624
1939/40	682375	321828	682375	385060	Ħ	682375	421799	682375	441378
1940/41	659928	271885	659928	321828	Π	659928	385060	659928	421799
1941/42	331362	324820	331362	271885	Η	331362	321828	331362	385060
1942/43	280838	285440	280838	324820	H	280838	271885	280838	321828
1943/44	581862	374896	581862	285440	H	581862	324820	581862	271885
1944/45	855724	682375	855724	374896	Ħ	855724	285440	855724	324820
1945/46	958099	659928	958099	682375	Ħ	958099	374896	958099	285440
1946/47	808692	331362	808692	659928	1	808692	682375	808692	374896
1947/48	822998	280838	822998	331362	t	822998	659928	822998	682375
1948/49	930330	581862	930330	280838	t	930330	331362	930330	659928
1949/50	796456	855724	796456	581862	t	796456	280838	796456	331362
1950/51	679899	958099	679899	855724	t	679899	581862	679899	280838
1951/52	599794	808692	599794	958099	T	599794	855724	599794	581862
1952/53	721114	822998	721114	808692	t	721114	958099	721114	855724
1953/54	790472	930330	790472	822998	1	790472	808692	790472	958099
1954/55	1288120	796456	1288120	930330	t	1288120	822998	1288120	808692
1955/56	1462472	679899	1462472	796456	1	1462472	930330	1462472	822998
1956/57	1003186	599794	1003186	679899	†	1003186	796456	1003186	930330
1957/58	680891	721114	680891	599794	Ì	680891	679899	680891	796456

1958/59	360287	790472	360287	721114	360287	599794	360287	679899
1959/60	214542	1288120	214542	790472	214542	721114	214542	599794
1960/61	338037	1462472	338037	1288120	338037	790472	338037	721114
1961/62	166323	1003186	166323	1462472	166323	1288120	166323	790472
1962/63	140618	680891	140618	1003186	140618	1462472	140618	1288120
1963/64	249067	360287	249067	680891	249067	1003186	249067	1462472
1964/65	348098	214542	348098	360287	348098	680891	348098	1003186
1965/66	589290	338037	589290	214542	589290	360287	589290	680891
1966/67	387875	166323	387875	338037	387875	214542	387875	360287
1967/68	442268	140618	442268	166323	442268	338037	442268	214542
1968/69	294116	249067	294116	140618	294116	166323	294116	338037
1969/70	250212	348098	250212	249067	250212	140618	250212	166323
		589290		348098	1	249067		140618
		387875		589290		348098		249067
		442268		387875		589290		348098
		294116		442268	1	387875		589290
		250212		294116	1	442268		387875
				250212		294116		442268
	0.1781	00211				250212		294116
			0.1448	05542				250212
					0.1193	27895		
					1		0.1269	49826
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Correlation	on values		cial Totals	Of MUSKI	ats between	1919/20 - 1	1969/70
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	<u>e</u>						
Maga		S					ł
	2	<u>Σ</u>	2	2			
1919/20	518288	├ ──── ├	518288		ļ		<u> </u>
1920/21	396180	└ ────┤	395180			 	
1921/22	511529	L	511529		Ļ	ļ	<u> </u>
1922/23	602100	L	602100			L	
1923/24	554716	L	554716				
1924/25	306906	I	306906	L		Ĺ	
1925/26	441623		441623				
1926/27	226841		226841				
1927/28	213866	T	213866				1
1928/29	236398	518288	236398		1		
1929/30	251986	396180	251986	518288	↓	i	
1930/31	300624	511529	300624	396180	1		<u></u>
1931/32	441378	602100	441378	511529		<u>}</u>	· · · · · · · · · · · · · · · · · · ·
1932/33	421799	554716	421799	602100	 		
1033/34	385060	306906	385060	554716	i i	<u>.</u>	
1024/35	221828	441623	221828	20000	<u> </u>		<u></u>
1025/36	271885	226841	271885	441623		<u>;</u> ;	, ,
1026/37	224820	212966	224820	226841	<u> </u>	·	
1027/38	295440	210000	295440	242966	i	 	
1931/00	274206	230330	1074006	21000	ļ		
1930/33	3/4030	201300	314000	230300	 		
1939/40	002313	300024	0023/3	251900		l 	
1940/41	629920	4413/8	659920	300624			
1941/42	331362	421799	331362	4413/8			
1942/43	280838	385060	280838	421799			
1943/44	581862	321828	581862	385060	L	L	
1944/45	855724	271885	855724	321828	·	L	L
1945/46	958099	324820	958099	271885			
1946/47	808692	285440	808692	324820			
1947/48	822998	374896	822998	285440		•	
1948/49	930330	682375	930330	374896			
1949/50	796456	659928	796456	682375			
1950/51	679899	331362	679899	659928	[
1951/52	599794	280838	599794	331362			
1952/53	721114	581862	721114	280838		i	
1053/54	700472	855724	700472	581862			
1064/55	1299120	05002	1299120	955724			
4055/66	4462472		4469479	0001 24			
1900100	4002416	000032	4002186	000000			· · · · · · · · · · · · · · · · · · ·
1950/3/	1003100	022330	1003100	000032			
4 DE //EW		O'ATT's att		. X77448	1		1

1958/59	360287	796456	360287	930330	1		1
1959/60	214542	679899	214542	796456			
1960/61	338037	599794	338037	679899		1	
1961/62	166323	721114	166323	599794		1	1
1962/63	140618	790472	140618	721114			
1963/64	249067	1288120	249067	790472			
1964/65	348098	1462472	348098	1288120			
1965/66	589290	1003186	589290	1462472			
1966/67	387875	680891	387875	1003186			
1967/68	442268	360287	442268	680891			
1968/69	294116	214542	294116	360287			
1969/70	250212	338037	250212	214542			
		166323		338037			
		140618		166323			
		249067		140618			
		348098		249067			
		589290		348098			
		387875		589290			
		442268		387875			
		294116		442268			
		250212		294116			
				250212			
	0.1278	73827					
			0.0849	38194		1	

Con	relation Va	alues for P	rovincial T	otals of M	luskrats be	etween 197	70/71 - 199	3/94
			ļ					
		t 1 Year out		t 2 Years out		t 3 Years out	-	t 4 Years out
	skral	skrat	skrat	skrat	skrat	skrat	skrat	skrat
Year	Mu	NC W	Ň	Ŵ	M	Ñ	Ĩ	N N
1970/71	388714		388714		388714		388714	
1971/72	472579	388714	472579		472579		472579	
1972/73	247175	472579	247175	388714	247175		247175	
1973/74	122182	247175	122182	472579	122182	388714	122182	
1974/75	285557	122182	285557	247175	285557	472579	285557	388714
1975/76	411393	285557	411393	122182	411393	247175	411393	472579
1976/77	399333	411393	399333	285557	399333	122182	399333	247175
1977/78	203664	399333	203664	411393	203664	285557	203664	122182
1978/79	161551	203664	161551	399333	161551	411393	161551	285557
1979/80	328704	161551	328704	203664	328704	399333	328704	411393
1980/81	396366	328704	396366	161551	396366	203664	396366	399333
1981/82	144065	396366	144065	328704	144065	161551	144065	203664
1982/83	168047	144065	168047	396366	168047	328704	168047	161551
1983/84	235980	168047	235980	144065	235980	396366	235980	328704
1984/85	181123	235980	181123	168047	181123	144065	181123	396366
1985/86	108395	181123	108395	235980	108395	168047	108395	144065
1986/87	215681	108395	215681	181123	215681	235980	215681	168047
1987/88	236156	215681	236156	108395	236156	181123	236156	235980
1988/89	40457	236156	40457	215681	40457	108395	40457	181123
1989/90	13103	40457	13103	236156	13103	215681	13103	108395
1990/91	10255	13103	10255	40457	10255	236156	10255	215681
1991/92	15068	10255	15068	13103	15068	40457	15068	236156
1992/93	22732	15068	22732	10255	22732	13103	22732	40457
1993/94	56256	22732	56256	15068	56256	10255	56256	13103
		56256		22732	1	15068	†	10255
		i		56256	1	22732	1	15068
	0.6404	88823			1	56256		22732
			0.211	03212	1			56256
					0.3890	90341		
					+		0.7143	45545
					1		1	
					1			
					1			
					1			
					<u> </u>	†		
					+			

Соп	relation Va	alues for P	rovincial 1	otals of M	lu	skrats be	tween 197	70/71 - 199	3/94
	Ť	at 5 Years out		at 6 Years out			at 7 Years out	ta	at 8 Years out
Year	Muskn	Auskr	Auskr	Auskra		Auskr	Vuskra	Auskra	Auskr
1970/71	388714		388714		Η	388714		388714	<u> </u>
1971/72	472579		472579		Ħ	472579		472579	
1972/73	247175		247175		Π	247175		247175	
1973/74	122182		122182		Ħ	122182		122182	
1974/75	285557		285557		Η	285557		285557	
1975/76	411393	388714	411393		H	411393		411393	
1976/77	399333	472579	399333	388714	H	399333		399333	
1977/78	203664	247175	203664	472579	H	203664	388714	203664	
1978/79	161551	122182	161551	247175	Ħ	161551	472579	161551	388714
1979/80	328704	285557	328704	122182	Π	328704	247175	328704	472579
1980/81	396366	411393	396366	285557	Π	396366	122182	396366	247175
1981/82	144065	399333	144065	411393	Ħ	144065	285557	144065	122182
1982/83	168047	203664	168047	399333		168047	411393	168047	285557
1983/84	235980	161551	235980	203664		235980	399333	235980	411393
1984/85	181123	328704	181123	161551		181123	203664	181123	399333
1985/86	108395	396366	108395	328704		108395	161551	108395	203664
1986/87	215681	144065	215681	396366	H	215681	328704	215681	161551
1987/88	236156	168047	236156	144065	H	236156	396366	236156	328704
1988/89	40457	235980	40457	168047		40457	144065	40457	396366
1989/90	13103	181123	13103	235980	Ħ	13103	168047	13103	144065
1990/91	10255	108395	10255	181123		10255	235980	10255	168047
1991/92	15068	215681	15068	108395	İ	15068	181123	15068	235980
1992/93	22732	236156	22732	215681	Π	22732	108395	22732	181123
1993/94	56256	40457	56256	236156	T	56256	215681	56256	108395
		13103		40457	T		236156	1	215681
		10255		13103	T		40457	1	236156
		15068		10255	T	i	13103	++	40457
		22732		15068	T		10255	†	13103
		56256		22732	T		15068	1	10255
				56256	T		22732	+	15068
	0.5676	49723			t		56256	††	22732
	1		0.2792	30421	t			<u> </u>	56256
					Ť	0.3250	74666	<u> </u>	
					Ť			0.469	3722
					Ť			1	
					Ì		i		

Correlatio	on Values	for Provin	cial Totals	of Muskra	ats between	1970/71 - 1	1993/94
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		0		2			
		T		ja j			
	18	Š	193	19			
Year	2	2	2	Σ			
1970/71	388/14		388/14				
19/1//2	4/25/9		4/25/9	ļ	·		
19/2//3	24/1/5		24/1/5				
19/3//4	122182		122182				
19/4//5	280007		280007				
19/5//6	411393		411393				
19/0///	399333		399333				
19////8	203004		203004	! 			<u> </u>
19/8//9	101331	000744	101551				1
19/9/80	328/04	366/14	328704	200744			·
1980/81	396366	4/25/9	390300	300/14			
1961/82	144000	24/1/3	144000	4/20/9	, , , , , , , , , , , , , , , , , , ,		
1982/83	10804/	122102	10004/	24/1/5			
1983/84	235980	28000/	235980	122182			
1984/85	101123	411393	181123	200007			
1985/80	108395	399333	106395	411393			,
1900/07	210001	203004	215001	303664			
190//00	230130	200704	230130	101004			
1900/09	40407	320704	4045/	229704			
1909/90	10255	380300	10255	320704			
1001/02	10200	169047	10255	144065			
1002/02	10000	100047	10000	169047			
1002/04	221 JZ	191122	66266	235090			I
1330/34	30230	101123	30230	191123	i		
		215691		108305			<u></u>
		236156	+	215681			
		40457		236156	l		
		13103		40457			
		10255		13103			
		15068		10255			
		22732		15069			
		66136 66266		22722			
		00200		56256			
	0 2970	00367		00200			
	0.30/2	103301	0 2021	64405			
			U.242	CC	1		

Correla	tion Valu	les for Pro	ovincial T	otals of I	Ermine be	tween 1	919/20 - 1	993/94
Year	imine	imine 1 Year out	imine	Ermine 2 Years out	imine	irmine 3 Years out	imine	irmine 4 Years out
1919/20	118168		118168	<u> </u>	118168		118168	
1920/21	69664	118168	69664	 _	60664		69664	
1921/22	67318	69664	67318	118168	67318		67318	
1922/23	38210	67318	38210	69664	38210	118168	38210	<u>.</u>
1923/24	63054	38210	63054	67318	63054	69664	63054	118168
1924/25	56807	63054	56807	38210	56807	67318	56807	69664
1925/26	84492	56807	84492	63054	84492	38210	84492	67318
1926/27	87892	84492	87892	56807	87892	63054	87892	38210
1927/28	88852	87892	88852	84492	88852	56807	88852	63054
1928/29	108789	88852	108789	87892	108789	84492	108789	56807
1929/30	110094	108789	110094	88852	110094	87892	110094	84492
1930/31	71833	110094	71833	108789	71833	88852	71833	87892
1931/32	88838	71833	88838	110094	88838	108789	88838	88852
1932/33	72529	88838	72529	71833	72529	110094	72529	108789
1933/34	116992	72529	116992	88838	116992	71833	116992	110094
1934/35	80748	116992	80748	72529	80748	88838	80748	71833
1935/36	56187	80748	56187	116992	56187	72529	56187	88838
1936/37	137672	56187	137672	80748	137672	116992	137672	72529
1937/38	113648	137672	113648	56187	113648	80748	113648	116992
1938/39	72523	113648	72523	137672	72523	56187	72523	80748
1939/40	103932	72523	103932	113648	103932	137672	103932	56187
1940/41	136027	103932	136027	72523	136027	113648	136027	137672
1941/42	150193	136027	150193	103932	150193	72523	150193	113648
1942/43	113080	150193	113080	136027	113080	103932	113080	72523
1943/44	155567	113080	155567	150193	155567	136027	155567	103932
1944/45	124815	155567	124815	113080	124815	150193	124815	136027
1945/46	109613	124815	109613	155567	109613	113080	109613	150193
1946/47	103656	109613	103656	124815	103656	155567	103656	113080
1947/48	91600	103656	91600	109613	91600	124815	91600	155567
1948/49	99705	91600	99705	103656	99705	109613	99705	124815
1949/50	152800	99705	152800	91600	152800	103656	152800	109613
1950/51	69556	152800	69556	99705	69556	91600	69556	103656
1951/52	79049	69556	79049	152800	79049	99705	79049	91600
1952/53	105230	79049	105230	69556	105230	152800	105230	99705
1953/54	62578	105230	62578	79049	62578	69556	62578	152800
1954/55	70090	62578	70090	105230	70090	79049	70090	69556
1955/56	95641	70090	95641	62578	95641	105230	95641	79049
1956/57	66950	95641	66950	70090	66950	62578	66950	105230
1957/58	61002	66950	61002	95641	61002	70090	61002	62578
1958/59	43236	61002	43236	66950	43236	95641	43236	70090

1959/60	45205	43236	45205	61002	45205	66950	45205	95641
1960/61	31725	45205	31725	43236	31725	61002	31725	66950
1961/62	29600	31725	29600	45205	29600	43236	29600	61002
1962/63	27970	29600	27970	31725	27970	45205	27970	43236
1963/64	24527	27970	24527	29600	24527	31725	24527	45205
1964/65	41794	24527	41794	27970	41794	29600	41794	31725
1965/66	32034	41794	32034	24527	32034	27970	32034	29600
1966/67	13354	32034	13354	41794	13354	24527	13354	27970
1967/68	26394	13354	26394	32034	26394	41794	26394	24527
1968/69	23325	26394	23325	13354	23325	32034	23325	41794
1969/70	10613	23325	10613	26394	10613	13354	10613	32034
1970/71	5043	10613	5043	23325	5043	26394	5043	13354
1971/72	3765	5043	3765	10613	3765	23325	3765	26394
1972/73	10133	3765	10133	5043	10133	10613	10133	23325
1973/74	5869	10133	5869	3765	5869	5043	5869	10613
1974/75	18205	5869	18205	10133	18205	3765	18205	5043
1975/76	12930	18205	12930	5869	12930	10133	12930	3765
1976/77	16938	12930	16938	18205	16938	5869	16938	10133
1977/78	10998	16938	10998	12930	10998	18205	10998	5869
1978/79	14859	10998	14859	16938	14859	12930	14859	18205
1979/80	21314	14859	21314	10998	21314	16938	21314	12930
1980/81	15520	21314	15520	14859	15520	10998	15520	16938
1981/82	9878	15520	9878	21314	9878	14859	9878	10998
1982/83	5991	9878	5991	15520	5991	21314	5991	14859
1983/84	5221	5991	5221	9878	5221	15520	5221	21314
1984/85	10649	5221	10649	5991	10649	9878	10649	15520
1985/86	9011	10649	9011	5221	9011	5991	9011	9878
1986/87	9550	9011	9550	10649	9550	5221	9550	5991
1987/88	10961	9550	10961	9011	10961	10649	10961	5221
1988/89	6439	10961	6439	9550	6439	9011	6439	10649
1989/90	2462	6439	2462	10961	2462	9550	2462	9011
1990/91	1402	2462	1402	6439	1402	10961	1402	9550
1991/92	1932	1402	1932	2462	1932	6439	1932	10961
1992/93	2020	1932	2020	1402	2020	2462	2020	6439
1993/94	2844	2020	2844	1932	2844	1402	2844	2462
		2844		2020		1932		1402
				2844		2020		1932
	0.8563	65802				2844		2020
			0.8235	15642				2844
					0.8535	05457		
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Correla	tion Valu	es for Pr	ovincial T	otals of E	Ermine be	tween 19	919/20 - 1	993/94
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Year	<u> </u>	<u> </u>	<u> </u>	ŭ	<u> </u>	<u>ū</u>	<u>u</u>	<u> </u>
1919/20	118168		118168		118168		118168	ļ
1920/21	67219		67219		67249		67249	ļ
1921/22	38210	<u> </u>	39210		29210		29210	
1923/24	63054	<u> </u>	63054		63054		63054	<u> </u>
1924/25	56807	118168	56807	<u> </u>	56807		56807	
1925/26	84492	69664	84492	118168	84492		84492	
1926/27	87892	67318	87892	69664	87892	118168	87892	
1927/28	88852	38210	88852	67318	88852	69664	88852	118168
1928/29	108789	63054	108789	38210	108789	67318	108789	69664
1929/30	110094	56807	110094	63054	110094	38210	110094	67318
1930/31	71833	84492	71833	56807	71833	63054	71833	38210
1931/32	88838	87892	88838	84492	88838	56807	88838	63054
1932/33	72529	88852	72529	87892	72529	84492	72529	56807
1933/34	116992	108789	116992	88852	116992	87892	116992	84492
1934/35	80748	110094	80748	108789	80748	88852	80748	87892
1935/36	56187	71833	56187	110094	56187	108789	56187	88852
1936/37	137672	88838	137672	71833	137672	110094	137672	108789
1937/38	113648	72529	113648	88838	113648	71833	113648	110094
1938/39	72523	116992	72523	72529	72523	88838	72523	71833
1939/40	103932	80748	103932	116992	103932	72529	103932	88838
1940/41	136027	5618/	136027	80/48	136027	116992	136027	72529
1941/42	150193	13/0/2	150193	127672	150193	56497	150193	110992
1942/43	155567	72522	113000	13/0/2	113080	3018/	113080	56197
1044/45	12307	103032	124915	72522	133307	112640	133307	127672
1945/46	109613	136027	100613	103032	100613	72523	124013	113648
1946/47	103656	150193	103656	136027	103656	103932	103656	72523
1947/48	91600	113080	91600	150193	91600	136027	91600	103932
1948/49	99705	155567	99705	113080	99705	150193	99705	136027
1949/50	152800	124815	152800	155567	152800	113080	152800	150193
1950/51	69556	109613	69556	124815	69556	155567	69556	113080
1951/52	79049	103656	79049	109613	79049	124815	79049	155567
1952/53	105230	91600	105230	103656	105230	109613	105230	124815
1953/54	62578	99705	62578	91600	62578	103656	62578	109613
1954/55	70090	152800	70090	99705	70090	91600	70090	103656
1955/56	95641	69556	95641	152800	95641	99705	95641	91600
1956/57	66950	79049	66950	69556	66950	152800	66950	99705
1957/58	61002	105230	61002	79049	61002	69556	61002	152800
1958/59	43236	62578	43236	105230	43236	79049	43236	69556

1959/60	45205	70090	45205	62578	45205	105230	45205	79049
1960/61	31725	95641	31725	70090	31725	62578	31725	105230
1961/62	29600	66950	29600	95641	29600	70090	29600	62578
1962/63	27970	61002	27970	66950	27970	95641	27970	70090
1963/64	24527	43236	24527	61002	24527	66950	24527	95641
1964/65	41794	45205	41794	43236	41794	61002	41794	66950
1965/66	32034	31725	32034	45205	32034	43236	32034	61002
1966/67	13354	29600	13354	31725	13354	45205	13354	43236
1967/68	26394	27970	26394	29600	26394	31725	26394	45205
1968/69	23325	24527	23325	27970	23325	29600	23325	31725
1969/70	10613	41794	10613	24527	10613	27970	10613	29600
1970/71	5043	32034	5043	41794	5043	24527	5043	27970
1971/72	3765	13354	3765	32034	3765	41794	3765	24527
1972/73	10133	26394	10133	13354	10133	32034	10133	41794
1973/74	5869	23325	5869	26394	5869	13354	5869	32034
1974/75	18205	10613	18205	23325	18205	26394	18205	13354
1975/76	12930	5043	12930	10613	12930	23325	12930	26394
1976/77	16938	3765	16938	5043	16938	10613	16938	23325
1977/78	10998	10133	10998	3765	10998	5043	10998	10613
1978/79	14859	5869	14859	10133	14859	3765	14859	5043
1979/80	21314	18205	21314	5869	21314	10133	21314	3765
1980/81	15520	12930	15520	18205	15520	5869	15520	10133
1981/82	9878	16938	9878	12930	9878	18205	9878	5869
1982/83	5991	10998	5991	16938	5991	12930	5991	18205
1983/84	5221	14859	5221	10998	5221	16938	5221	12930
1984/85	10649	21314	10649	14859	10649	10998	10649	16938
1985/86	9011	15520	9011	21314	9011	14859	9011	10998
1986/87	9550	9878	9550	15520	9550	21314	9550	14859
198//88	10961	5991	10961	9878	10961	15520	10961	21314
1988/89	6439	5221	6439	5991	6439	9878	6439	15520
1909/90	2402	10049	2462	5221	2462	5991	2462	98/8
1990/91	1402	9011	1402	10649	1402	5221	1402	5991
1331/32	1932	40064	1932	9011	1932	10049	1932	5221
1992/93	2020	10901	2020	40064	2020	9011	2020	10649
1333/34	2044	2462	2044	8420	2044	10061	2044	9011
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		1022		1402	┟{	2462	├	6420
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Correlati	on Value	s for Pro	vincial To	otals of E	irmine betw	een 1	919/20) - 1993/94
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1919/20	118168		118168			<u> </u>		
1920/21	69664		69664					
1921/22	67318		67318					
1922/23	38210		38210		1	1		
1923/24	63054		63054				i	
1924/25	56807		56807					
1925/26	84492		84492		 	<u>!</u>		
1926/27	87892		87892		 +	<u> </u>		
1927/28	88852		88852		<u></u>			
1928/29	108789	118168	108789	110100		Ļ		
1929/30	74933	67249	110094	118168				
1930/31	11033	39210	71833	67219				······
1032/32	72520	502 IU	72620	39210	ļ	ļ	<u> </u>	
1933/34	116992	56807	116002	63054	! 	<u></u>		
1934/35	80748	84492	80748	56807	<u> </u>			
1935/36	56187	87892	56187	84492			· · · ·	
1936/37	137672	88852	137672	87892	; 	∔		
1937/38	113648	108789	113648	88852		:	<u>-</u>	
1938/39	72523	110094	72523	108789		•		
1939/40	103932	71833	103932	110094				
1940/41	136027	88838	136027	71833		1		
1941/42	150193	72529	150193	88838			į	
1942/43	113080	116992	113080	72529				
1943/44	155567	80748	155567	116992				
1944/45	124815	56187	124815	80748				
1945/45	109613	137672	109613	56187				
1946/47	103656	113648	103656	137672				
194//48	91600	12523	91600	113648				
1940/49	152000	103932	452900	12523				
1050/54	60556	150027	152000	128027				
1950/51	70040	112080	79040	1501027				<u> </u>
1952/52	105220	155567	105220	113080				
1953/54	62578	124815	62578	155587				<u> </u>
1954/55	70090	109613	70090	124815				
1955/56	95641	103656	95641	109613				
1956/57	66950	91600	66950	103656				
1957/58	61002	99705	61002	91600				
1058/50	13236	152800	43236	99705				

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1959/60	45205	69556	45205	152800			
1960/61	31725	79049	31725	69556			
1961/62	29600	105230	29600	79049	1		
1962/63	27970	62578	27970	105230			
1963/64	24527	70090	24527	62578			
1964/65	41794	95641	41794	70090			
1965/66	32034	66950	32034	95641			
1966/67	13354	61002	13354	66950			
1967/68	26394	43236	26394	61002			
1968/69	23325	45205	23325	43236			
1969/70	10613	31725	10613	45205			
1970/71	5043	29600	5043	31725			
1971/72	3765	27970	3765	29600			
1972/73	10133	24527	10133	27970			
1973/74	5869	41794	5869	24527		<u> </u>	
1974/75	18205	32034	18205	41794			
1975/76	12930	13354	12930	32034			
1976/77	16938	26394	16938	13354	1	· · ·	
1977/78	10998	23325	10998	26394		ļ !	
1978/79	14859	10613	14859	23325			:
1979/80	21314	5043	21314	10613	l		
1980/81	15520	3765	15520	5043			
1981/82	9878	10133	9878	3765			
1982/83	5991	5869	5991	10133			
1983/84	5221	18205	5221	5869			
1984/85	10649	12930	10649	18205			
1985/86	9011	16938	9011	12930			
1986/87	9550	10998	9550	16938			
1987/88	10961	14859	10961	10998			
1988/89	6439	21314	6439	14859			
1989/90	2462	15520	2452	21314			
1990/91	1402	9878	1402	15520			
1991/92	1932	5991	1932	9878			
1992/93	2020	5221	2020	5991			
1993/94	2844	10649	2844	5221			
		9011		10649			
		9550		9011			
		10961		9550			
		6439		10961			
		2462		6439			
		1402		2462			
 		1932		1402			
 		2020		1932			
		2844		2020			
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 	0.6976	90427	0.0000				
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1 car u <thu>u u u u<th>Verr</th><th>mine</th><th>rmine 1 Year out</th><th>mine</th><th>mine 2 Years out</th><th>IThine</th><th>mine 3 Years out</th><th>mine</th><th>mine 4 Years out</th></thu>	Verr	mine	rmine 1 Year out	mine	mine 2 Years out	IThine	mine 3 Years out	mine	mine 4 Years out
1313/201 116168 11616	1010/20	449469			<u> </u>	<u>U</u>	Ū		<u> </u>
132/12 133/04 113/165 136004 138004 153004	1913/20	110100	440400	110100		110100		110100	
182.1122 07316 05316 07316 <th07317< th=""> 07317 07316 <</th07317<>	1021/22	67249	60664	67249	440460	67249		67249	
132212 50210 13212 50210 11816 13212 11816 13212 11816 13212 11816 13212 11816 13212 11816 13212 11816 13212 11816 <t< td=""><td>1022/23</td><td>39210</td><td>67319</td><td>39210</td><td>6086A</td><td>39210</td><td>119169</td><td>29210</td><td></td></t<>	1022/23	39210	67319	39210	6086A	39210	119169	29210	
1322/2 53607 53207 53607 53607 56307 63607 63607 63718 56807 63718 56807 63718 56807 63718 56807 63718 56807 63718 56807 637318 56807 637318 56807 637318 56807 637318 56807 637318 56807 637318 56807 637318 56807 637318 56807 6324 84492 63054 84492 63054 84492 63054 63607 6924 10094 71833 10094 71833 10094 71833 10094 71833 10094 71833 88852 71833 87892 10094 84838 8852 1930/31 71833 110994 71833 108789 71833 88852 71833 88852 10094 72529 10094 72529 10094 72529 1008789 88852 71833 116992 110094 72529 100788 88852 71833 116992 110094 <td>1023/24</td> <td>63054</td> <td>38210</td> <td>63054</td> <td>67219</td> <td>63054</td> <td>60664</td> <td>63054</td> <td>112169</td>	1023/24	63054	38210	63054	67219	63054	60664	63054	112169
1325/26 84492 56807 84492 63054 84492 63054 84492 63054 84492 63054 84492 63054 84492 63054 84492 63054 84492 63054 84492 38210 1926/27 87892 88852 87892 88852 84492 88852 56807 88852 63054 84492 108789 56807 1927/28 88852 108789 87892 100744 88852 108789 84492 108789 56807 1929/30 110094 108789 110094 88838 11094 88838 108789 88838 87822 1930/31 71833 116992 71833 108789 88838 88852 10084 88482 108789 88838 88852 10084 8838 88852 10094 72529 10084 72529 10878 88838 88672 71833 116992 10072 72529 56187 72529 56187 72529	1923/25	56807	63054	56807	29210	56907	67319	66807	60664
1226/27 87892 84492 87892 56807 87892 63054 87892 83210 1926/27 87892 88852 84492 88852 56807 87892 63054 87892 63054 1927/28 88852 108789 87892 108789 84492 108789 56807 1929/30 110094 108789 110094 88852 110094 84492 108789 56807 1930/31 71833 110094 71833 108789 88838 108789 88838 8852 1932/33 72529 88838 72529 110094 72529 108789 1933/34 116992 72529 116992 80748 71833 116992 110094 1934/35 80748 116992 80748 72529 56187 78838 1936/37 137672 56187 137672 80748 113648 113648 113648 113648 113648 113648 113648 1136027 <td>1925/2R</td> <td>84402</td> <td>56807</td> <td>84402</td> <td>63054</td> <td>84402</td> <td>38210</td> <td>84402</td> <td>67319</td>	1925/2R	84402	56807	84402	63054	84402	38210	84402	67319
1927/28 88852 87892 88852 84892 88852 56807 88852 56807 88852 56807 88852 56807 88852 56807 88852 56807 88852 56807 88852 56807 58852 56807 58852 56807 58852 56807 58852 56807 58852 56807 58852 56807 58852 56807 58852 10094 84492 108789 56807 56807 10094 84492 108789 56807 10094 84838 10094 84838 10094 84838 88852 110094 84838 88852 1033/3 110992 1033/3 116992 110094 72529 10878 1933/3 116992 72529 116992 80748 71833 116992 137672 1037672 1037672 103832 137672 72523 56187 72523 56187 72523 56187 72523 56187 72523 56187 72523 56187 72523	1926/27	87802	84402	87802	56807	87802	63054	87802	38210
1328/29 108789 88852 108789 87892 108789 84492 108789 58807 1929/30 110094 108789 110094 88852 110094 87892 110094 84492 1930/31 71833 110094 88838 110094 88838 106789 88838 8852 71833 8792 1931/32 88838 71833 88838 110094 88838 106789 88838 8852 1932/33 72529 8838 72529 116992 71833 116992 71833 116992 11034 1933/34 116992 72529 116992 86187 116992 56187 8838 1936/37 137672 56187 137672 80748 137672 116992 137672 13648 103932 137672 103932 137672 103932 56187 8838 1936/37 137672 103932 137672 72523 56187 72523 80748	1927/28	88852	87892	88852	84492	88852	56807	88852	63054
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1330/31 71833 110094 71833 108789 71833 88852 71833 87892 1931/32 88838 71833 88838 110094 88838 108789 88838 108789 88838 88852 11833 87892 1932/33 72529 88838 72529 71833 71833 116992 10944 72529 100944 72529 108789 1933/34 116992 72529 116992 80748 72529 56187 71833 1935/36 56187 80748 56187 116992 56187 72529 56187 88838 1936/37 137672 56187 137672 80748 137672 13648 10992 137672 103932 136027 72523 56187 72523 80748 113648 116992 1938/39 72523 113648 72523 137672 72523 160772 103932 16772 1940/41 136027 103932 136027 <td>1929/30</td> <td>110094</td> <td>108789</td> <td>110094</td> <td>88852</td> <td>110094</td> <td>87892</td> <td>110094</td> <td>84492</td>	1929/30	110094	108789	110094	88852	110094	87892	110094	84492
1931/32 88838 71833 88838 110094 88838 108789 88838 88852 1932/33 72529 88838 72529 71833 72529 10094 72529 100878 1933/34 116992 72529 116992 88838 116992 71833 116992 110994 1934/35 80748 116992 80748 72529 80748 88838 80748 71833 1935/36 56187 80748 56187 137672 80748 137672 116992 137672 72529 56187 88838 1936/37 137672 56187 137672 80748 113648 113648 113648 116992 1937/38 113648 137672 113648 56187 72523 80748 1938/39 72523 13302 136027 72523 136027 103932 136027 136027 136027 136027 136027 136027 136027 136027 136027	1930/31	71833	110094	71833	108789	71833	88852	71833	87892
1932/33 72529 88838 72529 71833 72529 110094 72529 10878 1933/34 116992 72529 116992 88338 116992 71833 116992 110094 1934/35 80748 116992 80748 72529 80748 88838 80748 71833 1935/36 56187 80748 56187 116992 56187 72529 56187 88838 1936/37 137672 56187 137672 80748 137672 72523 56187 72523 80748 113648 10992 1937/38 113648 137672 113648 56187 72523 80748 113648 10992 1938/39 72523 113648 72523 137672 72523 56187 72523 80748 1939/40 103932 72523 103932 136027 72523 103932 137672 103932 56187 1940/41 136027 103932 136027 136027 136027 137672 103632 137672 103632 136027	1931/32	88838	71833	88838	110094	88838	108789	88838	88852
1933/34 116992 72529 116992 88838 116992 71833 116992 10092 1934/35 80748 116992 80748 72529 80748 88838 80748 71833 1935/36 56187 80748 56187 10992 56187 72529 56187 88838 1936/37 137672 56187 137672 80748 137672 116992 137672 72529 1937/38 113648 137672 113648 56187 72523 80748 113648 116992 1938/39 72523 113648 72523 103932 72523 103932 136627 12638 136027 103932 56187 72523 103932 56187 72523 10748 136027 103932 136027 136027 103932 136027 136027 136027 136027 156767 103932 136027 156767 103932 136027 15667 103932 136027 15667 103932 14415 136027 15667 103932 14602 103656 136027	1932/33	72529	88838	72529	71833	72529	110094	72529	108789
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1935/36 56187 80748 56187 116992 56187 72529 56187 88838 1936/37 137672 56187 137672 80748 137672 116992 137672 72529 1937/38 113648 137672 113648 56187 113648 80748 113648 16992 1938/39 72523 113648 72523 137672 72523 56187 72523 80748 1939/40 103932 72523 103932 113648 103932 137672 103932 56187 1940/41 136027 103932 136027 72523 136027 136027 136027 136027 136027 136027 136027 136027 136027 136027 136027 136027 136027 136027 136027 136027 150193 124815 136027 13080 103932 136027 136027 155567 103932 136027 155567 103932 136027 155567 103932 136027 155567 103932 136027 155567 103932 136027 1	1934/35	80748	116992	80748	72529	80748	88838	80748	71833
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1939/40 103932 72523 103932 113648 103932 137672 103932 56187 1940/41 136027 103932 136027 72523 136027 113648 136027 137672 1941/42 150193 136027 150193 103932 150193 72523 150193 113648 1942/43 113080 150193 113080 136027 113080 103932 113080 72523 150193 113648 1942/43 113080 155567 150193 155567 136027 155567 103932 1943/44 155567 113080 155567 150193 155567 136027 155567 103932 1944/45 124815 155567 124815 113080 124815 150193 124815 136027 1945/46 109613 124815 103656 124815 103656 155567 103656 136027 1946/47 103656 109613 103656 124815 103656 15567 103656 136027 1946/47 103656	1938/39	72523	113648	72523	137672	72523	56187	72523	80748
1940/41 136027 103932 136027 72523 136027 113648 136027 13767 1941/42 150193 136027 150193 103932 150193 72523 150193 113080 1942/43 113080 150193 113080 136027 113080 103932 113080 72523 1943/44 155567 113080 135567 150193 155567 103932 1943/44 155567 113080 155567 150193 155567 103932 1944/45 124815 155567 124815 113080 124815 150193 124815 136027 1945/46 109613 124815 109613 155567 109613 113080 109613 150193 1946/47 103656 109613 103656 124815 103656 155567 103656 113080 1947/48 91600 103656 91600 109613 91600 124815 91600 155567 1948/49 99705 91600 99705 103656 99705 109613 <t< td=""><td>1939/40</td><td>103932</td><td>72523</td><td>103932</td><td>113648</td><td>103932</td><td>137672</td><td>103932</td><td>56187</td></t<>	1939/40	103932	72523	103932	113648	103932	137672	103932	56187
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1944/45 124815 155567 124815 113080 124815 150193 124815 136027 1945/46 109613 124815 109613 155567 109613 113080 109613 150193 1946/47 103656 109613 103656 124815 103656 155567 103656 113080 1946/47 103656 109613 103656 124815 103656 155567 103656 113080 1947/48 91600 103656 91600 109613 91600 124815 91600 155567 1948/49 99705 91600 99705 103656 99705 109613 99705 124815 1949/50 152800 99705 103656 99705 109613 99705 124815 1949/50 152800 99705 109613 99705 124815 109613 1950/51 69556 152800 152800 103656 152800 109613 1951/52 79049 69556 79049 152800 105230 152800 105230 9970	1943/44	155567	113080	155567	150193	155567	136027	155567	103932
1945/46 109613 124815 109613 155567 109613 113080 109613 150193 1946/47 103656 109613 103656 124815 103656 155567 103656 113080 1947/48 91600 103656 91600 109613 91600 124815 91600 155567 1948/49 99705 91600 99705 103656 99705 109613 99705 124815 1949/50 152800 99705 152800 91600 152800 109613 99705 124815 1949/50 152800 99705 152800 91600 152800 109613 99705 124815 1949/50 152800 99705 152800 103656 152800 109613 99705 124815 1950/51 69556 152800 69556 99705 69556 91600 69556 103656 1951/52 79049 695230 69556 105230 152800 105230 90705 19605 1953/54 62578 105230 62578	1944/45	124815	155567	124815	113080	124815	150193	124815	136027
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1948/49 99705 91600 99705 103656 99705 109613 99705 124818 1949/50 152800 99705 152800 91600 152800 103656 152800 109613 1950/51 69556 152800 69556 99705 69556 91600 69556 103656 1951/52 79049 69556 79049 152800 79049 99705 79049 91600 1952/53 105230 79049 105230 69556 105230 152800 105230 99705 1953/54 62578 105230 62578 70090 105230 79049 62578 69556 62578 152800 1954/55 70090 62578 70090 105230 70090 70049 70090 69556 19556 1955/56 95641 70090 105230 70090 70049 70090 69556 1955/56 95641 70090 95641 62578 95641 70090 69556 1955/56 95641 66950 70090	1947/48	91600	103656	91600	109613	91600	124815	91600	155567
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1953/54 62578 105230 62578 79049 62578 69556 62578 152800 1954/55 70090 62578 70090 105230 70090 79049 70090 69556 1955/56 95641 70090 105230 70090 79049 70090 69556 1955/56 95641 70090 95641 62578 95641 105230 95641 79049 1956/57 66950 95641 66950 70090 66950 62578 66950 105230 1957/58 61002 66950 61002 95641 61002 70090 61002 62578 1957/58 61002 66950 61002 95641 61002 70090 61002 62578	1952/53	105230	/9049	105230	09556	105230	152800	105230	99705
1954/55 70090 62578 70090 105230 70090 79049 70090 69556 1955/56 95641 70090 95641 62578 95641 105230 95641 79049 1956/57 66950 95641 66950 70090 66950 62578 66950 105230 1957/58 61002 66950 61002 95641 61002 70090 61002 62578 1958/59 43236 61002 95641 61002 70090 61002 62578	1953/54	025/8	105230	02578	/9049	02578	09220	62578	152800
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1950/57 00950 93041 00950 70090 60950 62578 66950 105230 1957/58 61002 66950 61002 95641 61002 70090 61002 62578 1058/50 43336 64003 43336 66050 43336 30000	1900/00	90041	70090	93041	025/8	90041	105230	93041	19049
1937/30 01002 00930 01002 93041 01002 70090 05041 61002 625/8	1930/3/	00800	90041	00920	10090	00920	020/0	00900	100230
	1059/50	42226	61000	42026	50041	42026	70090	42226	70000

1959/60	45205	43236	45205	61002	45205	66950	45205	95641
1960/61	31725	45205	31725	43236	31725	61002	31725	66950
1961/62	29600	31725	29600	45205	29600	43236	29600	61002
1962/63	27970	29600	27970	31725	27970	45205	27970	43236
1963/64	24527	27970	24527	29600	24527	31725	24527	45205
1964/65	41794	24527	41794	27970	41794	29600	41794	31725
1965/66	32034	41794	32034	24527	32034	27970	32034	29600
1966/67	13354	32034	13354	41794	13354	24527	13354	27970
1967/68	26394	13354	26394	32034	26394	41794	26394	24527
1968/69	23325	26394	23325	13354	23325	32034	23325	41794
1969/70	10613	23325	10613	26394	10613	13354	10613	32034
		10613	1	23325	1	26394		13354
			1	10613	1	23325	1	26394
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			0.6219	56006		1		10613
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Correlat	tion Valu	les for Pro	vincial T	otals of l	Ermine be	tween 19	919/20 - 1	969/70
Year	Ermine	Ermine 5 Years out	Emine	Ermine 6 Years out	Ermine	Ermine 7 Years out	Ermine	Ermine 8 Years out
1919/20	118168		118168		118168		118168	
1920/21	69664	+	69664	1	69664		69664	
1921/22	67318	†	67318		67318		67318	
1922/23	38210		38210		38210		38210	
1923/24	63054	1	63054		63054		63054	
1924/25	56807	118168	56807		56807		56807	
1925/26	84492	69664	84492	118168	84492		84492	
1926/27	87892	67318	87892	69664	87892	118168	87892	
1927/28	88852	38210	88852	67318	88852	69664	88852	118168
1928/29	108789	63054	108789	38210	108789	67318	108789	69664
1929/30	110094	56807	110094	63054	110094	38210	110094	67318
1930/31	71833	84492	71833	56807	71833	63054	71833	38210
1931/32	88838	87892	88838	84492	88838	56807	88838	63054
1932/33	72529	88852	72529	87892	72529	84492	72529	56807
1933/34	116992	108789	116992	88852	116992	87892	116992	84492
1934/35	80748	110094	80748	108789	80748	88852	80748	87892
1935/36	56187	71833	56187	110094	56187	108789	56187	88852
1936/37	137672	88838	137672	71833	137672	110094	137672	108789
1937/38	113648	72529	113648	88838	113648	71833	113648	110094
1938/39	72523	116992	72523	72529	72523	88838	72523	71833
1939/40	103932	80748	103932	116992	103932	72529	103932	88838
1940/41	136027	5618/	136027	80748	136027	116992	136027	/2529
1941/42	150193	13/6/2	150193	5618/	150193	80748	150193	116992
1942/43	113080	113648	113080	13/6/2	113080	56187	113080	80748
1943/44	10000/	12323	10000/	70500	10000/	13/0/2	10000/	5018/
1045/46	124010	103932	124010	12323	124015	70500	124010	13/0/2
1046/47	103013	150102/	109013	103832	108013	12323	103013	72522
1047/48	91600	112080	91600	150027	01800	136027	01600	102022
1048/40	91000	155567	91000	113080	00706	1501027	00705	136027
1949/50	152800	124815	152800	155567	152800	113080	152800	150102
1950/51	69556	109613	69556	124815	69556	155567	69556	113080
1951/52	79049	103656	79049	109613	79049	124815	79049	155567
1952/53	105230	91600	105230	103656	105230	109613	105230	124815
1953/54	62578	99705	62578	91600	62578	103656	62578	109613
1954/55	70090	152800	70090	99705	70090	91600	70090	103656
1955/56	95641	69556	95641	152800	95641	99705	95641	91600
1956/57	66950	79049	66950	69556	66950	152800	66950	99705
1957/58	61002	105230	61002	79049	61002	69556	61002	152800
1958/59	43236	62578	43236	105230	43236	79049	43236	69556

1959/60	45205	70090	45205	62578	45205	105230	45205	79049
1960/61	31725	95641	31725	70090	31725	62578	31725	105230
1961/62	29600	66950	29600	95641	29600	70090	29600	62578
1962/63	27970	61002	27970	66950	27970	95641	27970	70090
1963/64	24527	43236	24527	61002	24527	66950	24527	95641
1964/65	41794	45205	41794	43236	41794	61002	41794	66950
1965/66	32034	31725	32034	45205	32034	43236	32034	61002
1966/67	13354	29600	13354	31725	13354	45205	13354	43236
1967/68	26394	27970	26394	29600	26394	31725	26394	45205
1968/69	23325	24527	23325	27970	23325	29600	23325	31725
1969/70	10613	41794	10613	24527	10613	27970	10613	29600
		32034		41794		24527		27970
		13354		32034		41794		24527
		26394		13354		32034		41794
		23325		26394		13354		32034
		10613		23325		26394		13354
				10613		23325		26394
	0.4886	57673			1	10613		23325
			0.4805	61888		ļ		10613
					0.4351	98149		
							0.434	10585
		ļ						

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Correlatio	on Value	s for Pro	vincial To	ptais of E	rmine betw	een 1919/20	<u>) - 1969/70</u>
Year	Emine	Ermine 9 Years out	Ermine	Ermine 10 Years out			
1919/20	118168	<u> </u> − − −−	118168	<u>├</u>		<u>+</u>	
1920/21	69664	<u>†</u>	69664	<u> </u>		+	<u> </u>
1921/22	67318	+	67318	<u> </u>		<u> </u>	<u> </u>
1922/23	38210	† -	38210				
1923/24	63054	+	63054	[<u> </u>	+	<u> </u>
1924/25	56807	<u></u> †	56807	<u> </u>		<u> </u>	;
1925/26	84492		84492	1		1	<u> </u>
1926/27	87892	1 1	87892				
1927/28	88852	+	88852			**************************************	
1928/29	108789	118168	108789				
1929/30	110094	69664	110094	118168			
1930/31	71833	67318	71833	69664			
1931/32	88838	38210	88838	67318		1	
1932/33	72529	63054	72529	38210			
1933/34	116992	56807	116992	63054		·	
1934/35	80748	84492	80748	56807		1	
1935/36	56187	87892	56187	84492		• •	
1936/37	137672	88852	137672	87892		; 	
1937/38	113648	108789	113648	88852		• • • • • • • • • • • • • • • • • • • •	
1938/39	72523	110094	72523	108789			
1939/40	103932	71833	103932	110094			
1940/41	136027	88838	136027	71833			
1941/42	150193	72529	150193	88838		ļ	
1942/43	113080	116992	113080	72529			
1943/44	155567	80748	155567	116992			
1944/45	124815	56187	124815	50/48			
1945/46	109613	13/6/2	109613	56187			
1940/4/	103030	70600	103050	13/6/2			
194//48	91000	12023	31000	113040			
1940/49	150000	103832	152000	12323			
1050/54	132800	15002/	102000	126007			
1054/50	70040	1120183	70040	15002/			
1052/52	105220	155567	105220	112090			
1952/53	62570	12000/	62679	15000		<u> </u>	
1054/65	70000	100212	70000	124916			
1956/66	05641	103656	05641	100612			
1955/50	66060	91600	66050	103656			
1957/58	61002	99705	61002	91600			
1958/50	43236	152800	43236	99705			

1959/60	45205	69556	45205	152800		
1960/61	31725	79049	31725	69556		
1961/62	29600	105230	29600	79049		
1962/63	27970	62578	27970	105230		1
1963/64	24527	70090	24527	62578		
1964/65	41794	95641	41794	70090		
1965/66	32034	66950	32034	95641		
1966/67	13354	61002	13354	66950		
1967/68	26394	43236	26394	61002		
1968/69	23325	45205	23325	43236		
1969/70	10613	31725	10613	45205		
		29600		31725		
		27970		29600		
		24527		27970		
		41794		24527		
		32034		41794		
		13354	1	32034		
		26394		13354		
		23325		26394		
		10613		23325		
				10613	 	
	0.2789	56344			 	
			0.1882	12884	 	

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Correlat	ion Valu	es for Pro	ovincial T	otals of E	irmine be	tween 1	970/71 - 1	993/94
	···		1					l
		1 Year out		2 Years out		3 Years out		4 Years out
	2	2	2	2	2	2	2	2
Veet	Ē	Ē	Ē	Ē	Ē	Ĩ	Ē	Ē
1070/71	E042	<u> </u>	5042	<u> </u>	<u> </u>	<u>_</u>	<u> </u>	<u> </u>
1071/72	3765	6043	3785	<u> </u>	3765		3765	
1972/73	10133	3765	10133	5043	10133		10133	
1973/74	5869	10133	5869	3785	5869	5043	5869	
1974/75	18205	5869	18205	10133	18205	3765	18205	5043
1975/76	12930	18205	12930	5869	12930	10133	12930	3765
1976/77	16938	12930	16938	18205	16938	5869	16938	10133
1977/78	10998	16938	10998	12930	10998	18205	10998	5869
1978/79	14859	10998	14859	16938	14859	12930	14859	18205
1979/80	21314	14859	21314	10998	21314	16938	21314	12930
1980/81	15520	21314	15520	14859	15520	10998	15520	16938
1981/82	9878	15520	9878	21314	9878	14859	9878	10998
1982/83	5991	9878	5991	15520	5991	21314	5991	14859
1983/84	5221	5991	5221	9878	5221	15520	5221	21314
1984/85	10649	5221	10649	5991	10649	9878	10649	15520
1985/86	9011	10649	9011	5221	9011	5991	9011	9878
1986/87	9550	9011	9550	10649	9550	5221	9550	5991
1987/88	10961	9550	10961	9011	10961	10649	10961	5221
1988/89	6439	10961	6439	9550	6439	9011	6439	10649
1989/90	2462	6439	2462	10961	2462	9550	2462	9011
1990/91	1402	2462	1402	6439	1402	10961	1402	9550
1991/92	1932	1402	1932	2462	1932	6439	1932	10961
1992/93	2020	1932	2020	1402	2020	2462	2020	6439
1993/94	2844	2020	2844	1932	2844	1402	2844	2462
		2844		2020		1932		1402
				2844		2020		1932
	0.640	07863				2844		2020
			0.5013	30041				2844
					0.2067	89026		-
							0.1097	72614
							ļ	
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					ļļ		<u> </u>	
					<u> </u>		ļļ	
							 	
			i i				[
Correla	tion Valu	es for Pr	ovincial T	otals of E	Ermine be	tween 1	970/71 - 1	993/94
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							ļ	ļ
Year	Emine	Ermine 5 Years out	Ermine	Ermine 6 Years out	Ermine	Ermine 7 Years out	Ermine	Emine 8 Years out
1970/71	5043		5043		5043		5043	
1971/72	3765		3765		3765		3765	
1972/73	10133		10133		10133		10133	
1973/74	5869		5869		5869		5869	
1974/75	18205		18205		18205		18205	
1975/76	12930	5043	12930		12930		12930	
1976/77	16938	3765	16938	5043	16938		16938	
1977/78	10998	10133	10998	3765	10998	5043	10998	; ; ;
1978/79	14859	5869	14859	10133	14859	3765	14859	5043
1979/80	21314	18205	21314	5869	21314	10133	21314	3765
1980/81	15520	12930	15520	18205	15520	5869	15520	10133
1981/82	9878	16938	9878	12930	9878	18205	9878	5869
1982/83	5991	10998	5991	16938	5991	12930	5991	18205
1983/84	5221	14859	5221	10998	5221	16938	5221	12930
1984/85	10649	21314	10649	14859	10649	10998	10649	16938
1985/86	9011	15520	9011	21314	9011	14859	9011	10998
1986/87	9550	9878	9550	15520	9550	21314	9550	14859
1987/88	10961	5991	10961	9878	10961	15520	10961	21314
1988/89	6439	5221	6439	5991	6439	9878	6439	15520
1989/90	2462	10649	2462	5221	2462	5991	2462	9878
1990/91	1402	9011	1402	10649	1402	5221	1402	5991
1991/92	1932	9550	1932	9011	1932	10649	1932	5221
1992/93	2020	10961	2020	9550	2020	9011	2020	10549
1993/94	2844	6439	2844	10961	2844	9550	2844	9011
		2462		6439		10961		9550
		1402	 	2462		6439		10961
		1932	<u> </u>	1402		2462		6439
		2020	<u> </u>	1932		1402	<u> </u>	2462
		2844	<u> </u>	2020		1932	┟╼╌╍╌╸╽	1402
	0 4 4 9	8007	<u> </u>	2044	<u> </u>	2020	+	1932
	0.112	20031	0.0200	14440	┟╾╾╾╴┤	2044	┼∔	2020
			-0.030	11142	0.0000	27022	╂∔	2044
			<u></u> ╡─────┤		-0.0038	21022	0.0000	09092
			<u> </u>	+			-0.0920	00003
			├ ────┤		┟╴╸╸╶╴┤		┼	
					1 ł		+	

Correlatio	n Value	s for Pro	vincial To	tais of E	mine betw	en 1970/71	- 1993/
		ears out		Years out			
Year	Ermine	Ermine 9 Y	Ermine	Ermine 10			
1970/71	5043		5043		1		
1971/72	3765		3765	j	1		
1972/73	10133		10133				
1973/74	5869	1	5869		1		
1974/75	18205		18205		1		
1975/76	12930		12930		1		
1976/77	16938		16938				
1977/78	10998		10998				<u></u>
1978/79	14859		14859		· · · · · · · · · · · · ·		
1979/80	21314	5043	21314		<u> </u>		
1980/81	15520	3765	15520	5043	<u> </u>		
1981/82	9878	10133	9878	3765			
1982/83	5991	5869	5991	10133			
1983/84	5221	18205	5221	5869			
1984/85	10649	12930	10649	18205			
1985/86	9011	16938	9011	12930	1		
1986/87	9550	10998	9550	16938	·		
1987/88	10961	14859	10961	10998			
1988/89	6439	21314	6439	14859			
1989/90	2462	15520	2462	21314			
1990/91	1402	9878	1402	15520			
1991/92	1932	5991	1932	9878			
1992/93	2020	5221	2020	5991			
1993/94	2844	10649	2844	5221			
		9011	+	10649	· · · · · · · · · · · · · · · · · · ·		
		9550		9011			
		10961	+	9550			
		6439	+	10961			
		2462	╁────┤	6439			
†		1402	╆╌╾╾╸┥	2462			
		1932	┼╌╌╌┤	1402			
		2020	<u> </u>	1932			
		2844	╂────┤	2020			
			<u>├</u>	2844			
	-0 200	10015	┼───┤	2011		+	
	-0.203		_0 1145	78775	├		

Correlatio	on Value	s for Provir	ncial Tota	is of Mink	vs	Muskra	t between	1919/20 -	1993/94
	 	 							
		ame Year		Year Out			Years Out		Years Out
		N T		t 1			4		13
	<u> </u>	kra	-	kra		¥	tkra kra	×	kra
Year	Ē	A La La La La La La La La La La La La La	Ę	SNV Vre		Ĩ	- Aus	- S	BNY
1919/20	16779	518288	16779	·····	\vdash	16779		16779	
1920/21	14120	396180	14120	518288	H	14120		14120	
1921/22	29233	511529	29233	396180	Π	29233	518288	29233	
1922/23	19531	602100	19531	511529	Π	19531	396180	19531	518288
1923/24	28120	554716	28120	602100		28120	511529	28120	396180
1924/25	12712	306906	12712	554716		12712	602100	12712	511529
1925/26	16355	441623	16355	306906		16355	554716	16355	602100
1926/27	10748	226841	10748	441623		10748	306906	10748	554716
1927/28	9833	213866	9833	226841		9833	441623	9833	306906
1928/29	11308	236398	11308	213866		11308	226841	11308	441623
1929/30	10729	251986	10729	236398		10729	213866	10729	226841
1930/31	11701	300624	11701	251985		11/01	236398	11701	213866
1931/32	12841	494700	12941	500024		12941	201900	12941	230398
1022/24	20000	385060	20000	4413/0		20000	JUU024	20000	201900
1024/26	20000	321929	21402	385060	\vdash	21402	4413/0	20000	441270
1935/26	17027	271225	17027	321929		17027	386060	17027	421700
1936/37	15082	324820	15092	271885		15082	321828	15082	385060
1937/38	11021	285440	11021	324820		11021	271885	11021	321828
1938/39	13894	374896	13894	285440	+	13894	324820	13894	271885
1939/40	17676	682375	17676	374896	i	17676	285440	17676	324820
1940/41	26382	659928	26382	682375		26382	374896	26382	285440
1941/42	28712	331362	28712	659928	Ì	28712	682375	28712	374896
1942/43	18356	280838	18356	331362	1	18356	659928	18356	682375
1943/44	21067	581862	21067	280838	1	21067	331362	21067	659928
1944/45	15338	855724	15338	581862		15338	280838	15338	331362
1945/46	12801	958099	12801	855724		12801	581862	12801	280838
1946/47	15850	808692	15850	958099	I	15850	855724	15850	581862
1947/48	18778	822998	18778	808692	Ī	18778	958099	18778	855724
1948/49	22932	930330	22932	822998	_	22932	808692	22932	958099
1949/50	29456	796456	29456	930330	\downarrow	29456	822998	29456	808692
1950/51	25212	679899	25212	796456	4	25212	930330	25212	822998
1951/52	26056	599794	26056	679899	_	26056	795455	26056	930330
1952/53	26401	721114	25401	599794	-	26401	679899	26401	796456
1953/54	18432	190472	15432	/21114	+	18432	599794	18432	679899
1954/55	1/5/9	1200120	1/5/9	1904/2	-	1/5/9	721114	1/5/9	704444
1955/50	10304	1002472	27044	1462470	-	10304	1399430	15364	700470
1957/59	37854	680801	37954	1003186	-+	37954	1462472	27964	1282120
1001100					1		1746716		1600160

1958/59	27397	360287	27397	680891	2739	7 1003186	27397	1462472
1959/60	27594	214542	27594	360287	2759	4 680891	27594	1003186
1960/61	30679	338037	30679	214542	3067	360287	30679	680891
1961/62	22559	166323	22559	338037	2255	9 214542	22559	360287
1962/63	18408	140618	18408	166323	1840	8 338037	18408	214542
1963/64	16412	249067	16412	140618	1641	2 166323	16412	338037
1964/65	17291	348098	17291	249067	1729	1 140618	17291	166323
1965/66	15778	589290	15778	348098	1577	3 249067	15778	140618
1966/67	20099	387875	20099	589290	2009	348098	20099	249067
1967/68	25874	442268	25874	387875	25874	4 589290	25874	348098
1968/69	33104	294116	33104	442268	3310	4 387875	33104	589290
1969/70	21522	250212	21522	294116	2152	2 442268	21522	387875
1970/71	9592	388714	9592	250212	9592	294116	9592	442268
1971/72	10686	472579	10686	388714	1068	5 250212	10686	294116
1972/73	20368	247175	20368	472579	2036	3 388714	20368	250212
1973/74	10904	122182	10904	247175	1090	4 472579	10904	388714
1974/75	12420	285557	12420	122182	12420	247175	12420	472579
1975/76	11961	411393	11961	285557	1196	1 122182	11961	247175
1976/77	22379	399333	22379	411393	22379	285557	22379	122182
1977/78	19408	203664	19408	399333	19408	3 411393	19408	285557
1978/79	20284	161551	20284	203664	2028	4 399333	20284	411393
1979/80	24869	328704	24869	161551	24869	203664	24869	399333
1980/81	19721	396366	19721	328704	1972	1 161551	19721	203664
1981/82	14994	144065	14994	396366	14994	328704	14994	161551
1982/83	9910	168047	9910	144065	9910	396366	9910	328704
1983/84	7314	235980	7314	168047	7314	144065	7314	396366
1984/85	11976	181123	11976	235980	11976	5 168047	11976	144065
1985/86	20105	108395	20105	181123	2010	5 235980	20105	168047
1986/87	15311	215681	15311	108395	15311	1 181123	15311	235980
1987/88	18681	236156	18681	215681	18681	108395	18681	181123
1988/89	12514	40457	12514	236156	12514	215681	12514	108395
1989/90	11922	13103	11922	40457	11922	2 236156	11922	215681
1990/91	4002	10255	4002	13103	i 4002	40457	4002	236156
1991/92	6309	15068	6309	10255	6309	13103	6309	40457
1992/93	6475	22732	6475	15068	6475	10255	6475	13103
1993/94	5073	56256	5073	22732	5073	15068	5073	10255
				56256		22732		15068
		1				56256		22732
	0.336	145133	0.493	570205				56256
					0.60	2567538		
							0.575	913537
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			1	1				

		t 4 Years Out		t 5 Years Out		l 6 Years Out		t 7 Years Out
Year	Mink	Muskra	Mink	Muskral	Mink	Muskral	Min¢	Muskral
1919/20	16779	1	16779		16779		16779	
1920/21	14120	1	14120		14120		14120	
1921/22	29233		29233		29233		29233	
1922/23	19531		19531		19531		19531	
1923/24	28120	518288	28120		28120		28120	
1924/25	12712	396180	12712	518288	12712		12712	
1925/26	16355	511529	16355	396180	16355	518288	16355	
1926/27	10748	602100	10748	511529	10748	396180	10748	518288
1927/28	9833	554716	9833	602100	9833	511529	9833	396180
1928/29	11308	306906	11308	554716	11308	602100	11308	511529
1929/30	10729	441623	10729	306906	10729	554716	10729	602100
1930/31	11701	226841	11701	441623	11701	306906	11701	554716
1931/32	12941	213866	12941	226841	12941	441623	12941	306906
1932/33	20860	236398	20860	213866	20860	226841	20860	441623
1933/34	28888	251986	28888	236398	28888	213866	28888	226841
1934/35	21493	300624	21493	251986	21493	236398	21493	213866
1935/36	17037	441378	17037	300624	17037	251986	17037	236398
1936/37	15083	421799	15083	441378	15083	300624	15083	251986
1937/38	11021	385060	11021	421799	11021	441378	11021	300624
1938/39	13894	321828	13894	385060	13894	421799	13894	441378
1939/40	17676	271885	17676	321828	17676	385060	17676	421799
1940/41	26382	324820	26382	271885	26382	321828	26382	385060
1941/42	28712	285440	28712	324820	28712	271885	28712	321828
1942/43	18356	374896	18356	285440	18356	324820	18356	271885
1943/44	21067	682375	21067	374896	21067	285440	21067	324820
1944/45	15338	659928	15338	682375	15338	374896	15338	285440
1945/46	12801	331362	12801	659928	12801	682375	12801	374896
1946/47	15850	280838	15850	331362	15850	659928	15850	682375
1947/48	18778	581862	18778	280838	18778	331362	18778	659928
1948/49	22932	855724	22932	581862	22932	280838	22932	331362
1949/50	29456	958099	29456	855724	29456	581862	29456	280838
1950/51	25212	808692	25212	958099	25212	855724	25212	581862
1951/52	26056	822998	26056	808692	26056	958099	26056	855724
1952/53	26401	930330	26401	822998	26401	808692	26401	958099
1953/54	18432	796456	18432	930330	18432	822998	18432	808692
1954/55	17579	679899	17579	796456	17579	930330	17579	822998
1955/56	15384	599794	15384	679899	15384	796456	15384	930330
1956/57	27041	721114	27041	599794	27041	679899	27041	796456
1957/58	37854	700472	27854	721114	27054	500704	27054	670000

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								600704
1958/59	27397	1288120	27397	790472	27397	721114	27397	599794
1959/60	27594	1462472	27594	1288120	27594	790472	27594	721114
1960/61	30679	1003186	30679	1462472	30679	1288120	30679	790472
1961/62	22559	680891	22559	1003186	22559	1462472	22559	1288120
1962/63	18408	360287	18408	680891	18408	1003186	18408	1462472
1963/64	16412	214542	16412	360287	16412	680891	16412	1003186
1964/65	17291	338037	17291	214542	17291	360287	17291	680891
1965/66	15778	166323	15778	338037	15778	214542	15778	360287
1966/67	20099	140618	20099	166323	20099	338037	20099	214542
1967/68	25874	249067	25874	140618	25874	166323	25874	338037
1968/69	33104	348098	33104	249067	33104	140618	33104	166323
1969/70	21522	589290	21522	348098	21522	249067	21522	140618
1970/71	9592	387875	9592	589290	9592	348098	9592	249067
1971/72	10686	442268	10686	387875	10686	589290	10686	348098
1972/73	20368	294116	20368	442268	20368	387875	20368	589290
1973/74	10904	250212	10904	294116	10904	442268	10904	387875
1974/75	12420	388714	12420	250212	12420	294116	12420	442268
1975/76	11961	472579	11961	388714	11961	250212	11961	294116
1976/77	22379	247175	22379	472579	22379	388714	22379	250212
1977/78	19408	122182	19408	247175	19408	472579	19408	388714
1978/79	20284	285557	20284	122182	20284	247175	20284	472579
1979/80	24869	411393	24869	285557	24869	122182	24869	247175
1980/81	19721	399333	19721	411393	19721	285557	19721	122182
1981/82	14994	203664	14994	399333	14994	411393	14994	285557
1982/83	9910	161551	9910	203664	9910	399333	9910	411393
1983/84	7314	328704	7314	161551	7314	203664	7314	399333
1984/85	11976	396366	11976	328704	11976	161551	11976	203664
1985/86	20105	144065	20105	396366	20105	328704	20105	161551
1986/87	15311	168047	15311	144065	15311	396366	15311	328704
1987/88	18681	235980	18681	168047	18681	144065	18681	396366
1988/89	12514	181123	12514	235980	12514	168047	12514	144065
1989/90	11922	108395	11922	181123	11922	235980	11922	168047
1990/91	4002	215681	4002	108395	4002	181123	4002	235980
1991/92	6309	236156	6309	215681	6309	108395	6309	181123
1992/93	6475	40457	6475	236156	6475	215681	6475	108395
1993/94	5073	13103	5073	40457	5073	236156	5073	215681
		10255		13103		40457		236156
		15068		10255		13103		40457
		22732		15068		10255	1	13103
		56256	1	22732		15068	1	10255
				56256		22732	1	15068
	0.513	387266				56256		22732
			0.423	200749			1	56256
		<u> </u>		[0.285	529657	1	
					1		0.245	837385
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Year	Aink	Auskrat 8 Years Out	Aink	Auskrat 9 Years Out	Aink	Auskrat 10 Years Ou		
1919/20	16779		16779		16779	_		+
1920/21	14120		14120		14120	!		
1921/22	29233	[29233		29233	<u> </u>		+
1922/23	19531		19531		19531			
1923/24	28120		28120		28120			
1924/25	12712		12712		12712			
1925/26	16355		16355		; 16355			
1926/27	10748		10748		10748	1 }		
1927/28	9833	518288	9833		9833			•
1928/29	11308	396180	11308	518288	11308	f		
1929/30	10729	511529	10729	396180	10729	518288		
1930/31	11701	602100	11701	511529	11701	396180		
1931/32	12941	554716	12941	602100	12941	511529		
1932/33	20860	306906	20860	554716	20860	602100		
1933/34	28888	441623	28888	306906	28888	554716		
1934/35	21493	226841	21493	441623	21493	306906		
1935/36	17037	213866	17037	226841	17037	441623		····
1936/37	15083	236398	15083	213866	15083	226841		
1937/38	11021	251986	11021	236398	11021	213866		
1938/39	13894	300624	13894	251986	: 13894	236398		
1939/40	17676	441378	17676	300624	17676	251986		·
1940/41	26382	421799	26382	441378	26382	300624		
1941/42	28712	385060	28712	421799	28712	441378		÷
1942/43	18355	321828	18355	385060	18355	421799		·
1943/44	21067	2/1885	21067	321828	21067	385060	· · · · · · · · · · · · · · · · · · ·	·
1944/45	15338	324820	15338	2/1885	15338	321828		+
1945/46	12801	285440	12801	324820	12801	2/1885		+
1946/4/	15850	3/4895	15850	285440	15850	324820		
194/148	18//8	0023/5	18//8	3/4890	18//8	285440		
948/49	22932	009928	22932	002375	22932	3/4896		÷
1949/50	29456	331362	29456	009928	29456	0023/5		
1920/21	20212	200838	25212	331362	25212	004000		÷
1931/52	20000	056204	20050	200030	20050	331302		
1952/53	20401	050/24	20401	2001002	20401	200038		+
1953/54	18432	828088	18432	855724	18432	381862		+
1954/55	1/579	808692	1/579	928033	17579	855724		+
922/20	15384	022998	15384	808692	15384	ADROAA	<u> </u>	
930/57	2/041	930330	2/041	822998	2/041	008692		<u> </u>

1958/59	27397	679899	27397	796456	27397	930330	1	·
1959/60	27594	599794	27594	679899	27594	796456		
1960/61	30679	721114	30679	599794	30679	679899		
1961/62	22559	790472	22559	721114	22559	599794		
1962/63	18408	1288120	18408	790472	18408	721114	1	
1963/64	16412	1462472	16412	1288120	16412	790472		
1964/65	17291	1003186	17291	1462472	17291	1288120		
1965/66	15778	680891	15778	1003186	15778	1462472		
1966/67	20099	360287	20099	680891	20099	1003186		
1967/68	25874	214542	25874	360287	25874	680891		
1968/69	33104	338037	33104	214542	33104	360287		
1969/70	21522	166323	21522	338037	21522	214542		
1970/71	9592	140618	9592	166323	9592	338037		
1971/72	10686	249067	10686	140618	10686	166323		
1972/73	20368	348098	20368	249067	20368	140618		
1973/74	10904	589290	10904	348098	10904	249067		
1974/75	12420	387875	12420	589290	12420	348098		
1975/76	11961	442268	11961	387875	11961	589290		
1976/77	22379	294116	22379	442268	22379	387875		
1977/78	19408	250212	19408	294116	19408	442268		
1978/79	20284	388714	20284	250212	20284	294116	i	-
1979/80	24869	472579	24869	388714	24869	250212		
1980/81	19721	247175	19721	472579	19721	388714	, ;	<u>.</u>
1981/82	14994	122182	14994	247175	14994	472579	L	ļ
1982/83	9910	285557	9910	122182	9910	247175	<u> </u>	
1983/84	7314	411393	7314	285557	7314	122182	<u> </u>	
1984/85	11976	399333	11976	411393	11976	285557		
1985/86	20105	203664	20105	399333	20105	411393	! •	,
1986/87	15311	161551	15311	203664	15311	399333		•
1987/88	18681	328704	18681	161551	18681	203664		·
1988/89	12514	396366	12514	328704	12514	161551		• •
1989/90	11922	144065	11922	396366	11922	328704		
1990/91	4002	168047	4002	144065	4002	396366		
1991/92	6309	235980	6309	168047	6309	144065		; <u> </u>
1992/93	6475	181123	6475	235980	6475	168047		!
1993/94	5073	108395	5073	181123	5073	235980		
		215681		108395		181123		ĺ
		236156		215681		108395		<u> </u>
		40457		236156		215681	·	·
		13103		40457		236156		
		10255		13103		40457		
		15068		10255		13103		
		22/32		15068		10255		
		56256	ļ	22732	<u></u>	15068		
				56256	<u> </u>	22732		
	0.269	520284				56256		
			0.312	98092		00/00		L
ļi					0.337	/23466		·

Correlation Values for Provincial Totals of Mink vs Muskrat between 1919/20 - 1969/70											
Year	Mink	Muskrat Same Year	Mink	Muskrat 1 Year Out	Mink	Muskrat 2 Years Out	Mink	Muskrat 3 Years Out			
1919/20	16779	518288	16779		16779		16779				
1920/21	14120	396180	14120	518288	14120		14120				
1921/22	29233	511529	29233	396180	29233	518288	29233				
1922/23	19531	602100	19531	511529	19531	396180	19531	518288			
1923/24	28120	554716	28120	602100	28120	511529	28120	396180			
1924/25	12712	306906	12712	554716	12712	602100	12712	511529			
1925/26	16355	441623	16355	306906	16355	554716	16355	602100			
1926/27	10748	226841	10748	441623	10748	306906	10748	554716			
1927/28	9833	213866	9833	226841	9833	441623	9833	306906			
1928/29	11308	236398	11308	213866	11308	226841	11308	441623			
1929/30	10729	251986	10729	236398	10729	213866	10729	226841			
1930/31	11701	300624	11701	251986	11701	236398	11701	213866			
1931/32	12941	441378	12941	300624	12941	251986	12941	236398			
1932/33	20860	421799	20860	441378	20860	300624	20860	251986			
1933/34	28888	385060	28888	421799	28888	441378	28888	300624			
1934/35	21493	321828	21493	385060	21493	421799	21493	441378			
1935/36	17037	271885	17037	321828 :	17037	385060	17037	421799			
1936/37	15083	324820	15083	271885	15083	321828	15083	385060			
1937/38	11021	285440	11021	324820	11021	271885	11021	321828			
1938/39	13894	374896	13894	285440 :	13894	324820	13894	271885			
1939/40	17676	682375	17676	374896	17676	285440	17676	324820			
1940/41	26382	659928	26382	682375	26382	374896	26382	285440			
1941/42	28712	331362	28712	659928	28712	682375	28712	374896			
1942/43	18356	280838	18356	331362	18356	659928	18356	682375			
1943/44	21067	581862	21067	280838	21067	331362	21067	659928			
1944/45	15338	855724	15338	581862	15338	280838	15338	331362			
1945/46	12801	958099	12801	855724	12801	581862	12801	280838			
1946/47	15850	808692	15850	958099	15850	855724	15850	581862			
1947/48	18778	822998	18778	808692	18778	958099	18778	855724			
1948/49	22932	930330	22932	822998	22932	808692	22932	958099			
1949/50	29456	796456	29456	930330	29456	822998	29456	808692			
1950/51	25212	679899	25212	796456	25212	930330	25212	822998			
1951/52	26056	599794	26056	679899	26056	796456	26056	930330			
1952/53	26401	721114	26401	599794	26401	679899	26401	796456			
1953/54	18432	790472	18432	721114	18432	599794	18432	679899			
1954/55	17579	1288120	17579	790472	17579	721114	17579	599794			
1955/56	15384	1462472	15384	1288120	15384	790472	15384	721114			
1956/57	27041	1003186	27041	1462472	27041	1288120	27041	790472			
1957/58	37854	680891	37854	1003186	37854	1462472	37854	1288120			

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1958/59	27397	360287	27397	680891	27397	1003186	27397	1462472	
1959/60	27594	214542	27594	360287	: 27594	680891	27594	1003186	
1960/61	30679	338037	30679	214542	30679	360287	, 30679	680891	1
1961/62	22559	166323	22559	338037	22559	214542	22559	360287	1
1962/63	18408	140618	18408	166323	18408	338037	18408	214542	1
1963/64	16412	249067	16412	140618	16412	166323	16412	338037	1
1964/65	17291	348098	17291	249067	17291	140618	17291	166323	1
1965/66	15778	589290	15778	348098	15778	249067	15778	140618	1
1966/67	20099	387875	20099	589290	20099	348098	20099	249067	1
1967/68	25874	442268	25874	387875	25874	589290	25874	348098	1
1968/69	33104	294116	33104	442268	33104	387875	33104	589290	1
969/70	21522	250212	21522	294116	21522	442268	21522	387875	1
			1	250212		294116	1	442268	Í
						250212	1	294116	
	0.100	82861	- 					250212	
			0.318	361856			!		1
					0.512	126438	;		1
				·			0.534	610419	1
			;						1
		,					;		1
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Correlati	ion Value	es for Prov	incial Tota	is of Mink	vs Muskra	t between	1919/20 -	- 1969/70
Year	link	Auskrat 4 Years Out	Juk	Auskrat 5 Years Out	link I	Auskrat 6 Years Out	link	Auskrat 7 Years Out
1919/20	16779	<u> </u>	16779		16779		16779	<u> </u>
1920/21	14120	<u>├</u>	14120		14120		14120	
1921/22	29233		20233		20233		29233	
1922/23	19531	┟╍╍╍┟	19531		19531		19531	
1923/24	28120	518288	28120		28120		28120	
1924/25	12712	396180	12712	518288	12712		12712	
1925/2R	16355	511529	16355	396180	16355	518288	16365	
1926/27	10748	602100	10748	511529	10748	396180	10748	518288
1927/28	9833	554716	9833	602100	9833	511529	0833	396180
1928/29	11308	306906	11308	554716	11308	602100	11308	511529
1929/30	10729	441623	10729	306906	10729	554716	10729	602100
1930/31	11701	226841	11701	441623	11701	306906	11701	554716
1931/32	12941	213866	12941	226841	12941	441623	12941	306906
1932/33	20860	236398	20860	213866	20860	226841	20860	441623
1933/34	28888	251986	28888	236398	28888	213866	28888	226841
1934/35	21493	300624	21493	251986	21493	236398	21493	213866
1935/36	17037	441378	17037	300624	17037	251986	17037	236398
1936/37	15083	421799	15083	441378	15083	300624	15083	251986
1937/38	11021	385060	11021	421799	11021	441378	11021	300624
1938/39	13894	321828	13894	385060	13894	421799	13894	441378
1939/40	17676	271885	17676	321828	17676	385060	17676	421799
1940/41	26382	324820	26382	271885	26382	321828	26382	385060
1941/42	28712	285440	28712	324820	28712	271885	28712	321828
1942/43	18356	374896	18356	285440	18356	324820	18356	271885
1943/44	21067	682375	21067	374896	21067	285440	21067	324820
1944/45	15338	659928	15338	682375	15338	374896	15338	285440
1945/46	12801	331362	12801	659928	12801	682375	12801	374896
1946/47	15850	280838	15850	331362	15850	659928	15850	682375
1947/48	18778	581862	18778	280838	18778	331362	18778	659928
1948/49	22932	855724	22932	581862	22932	280838	22932	331362
1949/50	29456	958099	29456	855724	29456	581862	29456	280838
1950/51	25212	808692	25212	958099	25212	855724	25212	581862
1951/52	26056	822998	26056	808692	26056	958099	26056	855724
1952/53	26401	930330	26401	822998	26401	808692	26401	958099
1953/54	18432	796456	18432	930330	18432	822998	18432	808692
1954/55	17579	679899	17579	796456	17579	930330	17579	822998
1955/56	15384	599794	15384	679899	15384	796456	15384	930330
1956/57	27041	721114	27041	599794	27041	679899	27041	796456
1957/58	37854	790472	37854	721114	37854	599794	37854	679899

4059/50	07007	4000400	107007	700470	07007	704444	07007	600704
1928/29	2/39/	1288120	2/39/	/904/2	2/39/	721114	2/39/	599/94
1959/60	27594	1462472	27594	1288120	27594	790472	27594	721114
1960/61	30679	1003186	30679	1462472	30679	1288120	30679	790472
1961/62	22559	680891	22559	1003186	22559	1462472	22559	1288120
1962/63	18408	360287	18408	680891	18408	1003186	18408	1462472
1963/64	16412	214542	16412	360287	16412	680891	16412	1003186
1964/65	17291	338037	17291	214542	17291	360287	17291	680891
1965/66	15778	166323	15778	338037	15778	214542	15778	360287
1966/67	20099	140618	20099	166323	20099	338037	20099	214542
1967/68	25874	249067	25874	140618	25874	166323	25874	338037
1968/69	33104	348098	33104	249067	33104	140618	33104	166323
1969/70	21522	589290	21522	348098	21522	249067	21522	140618
		387875		589290		348098		249067
		442268	1	387875		589290		348098
		294116	1	442268		387875		589290
		250212	!	294116		442268		387875
			· · ·	250212		294116	1	442268
1		•				250212		294116
	0.439	930576						250212
			0.295	046017	:			
				· · · · · · · · · · · · · · · · · · ·	0.127	080627	;	
			:		:		0.044	842559
			1		;		1	
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Correlatio	on Value	s for Provir	icial Total	s of Mink	vs Muskra	betweer	n 1919/20 - 1969	/70
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Year	<u>Š</u>	Ž	ž	Ň	Ĩ	ž		
1919/20	16779		16779		16779			
1920/21	14120	ļ	14120		14120			
1921/22	29233		29233		29233			
1922/23	19531		19531		19531		L	
1923/24	28120	ļ	28120		28120		<u> </u>	
1924/20	12/12		12/12		12/12	<u> </u>	· · · · · · · · · · · · · · · · · · ·	
1026/07	10300		10333		10300			
1920/2/	0922	519299	0922		0822		<u></u>	
1928/20	11308	396180	11208	518288	11308			
1929/30	10729	511529	10729	396180	10729	518288		
1930/31	11701	602100	11701	511529	11701	396180	·	
1931/32	12941	554716	12941	602100	12941	511529	·	
1932/33	20860	306906	20860	554716	20860	602100		
1933/34	28888	441623	28888	306906	28888	554716		
1934/35	21493	226841	21493	441623	21493	306906		
1935/36	17037	213866	17037	226841	17037	441623		
1936/37	15083	236398	15083	213866	15083	226841		
1937/38	11021	251986	11021	236398	11021	213866		
1938/39	13894	300624	13894	251986	13894	236398	1	
1939/40	17676	441378	17676	300624	17676	251986		
1940/41	26382	421799	26382	441378	26382	300624	1	
1941/42	28712	385060	28712	421799	28712	441378		
1942/43	18356	321828	18356	385060	18356	421799	· · · · · · · · · · · · · · · · · · ·	
1943/44	21067	271885	21067	321828	21067	385060	1 4	
1944/45	15338	324820	15338	271885	15338	321828	ļ	
1945/46	12801	285440	12801	324820	12801	271885		
1940/4/	10800	3/4896	15850	285440	15850	324820		
194//48	18//8	0023/5	18//8	3/4896	18//8	285440		
1940/49	22932	224262	22932	0023/3	22932	3/4890		
1050/51	25430	290929	29400	221262	28430	650020	 	
1051/52	20212	581862	20212	280220	20212	221267		
1952/52	26401	855724	26401	581862	20000	280929	<u> </u>	
1953/54	18432	958099	18432	855724	18432	581862	<u>├</u>	
1954/55	17579	808692	17579	958090	17570	855724		
1955/56	15384	822998	15384	808692	15384	958099		
1956/57	27041	930330	27041	822998	27041	808692		
1957/58	37854	796456	37854	930330	37854	822998		

1958/59	27397	679899	27397	796456	27397	930330	•
1959/60	27594	599794	27594	679899	27594	796456	
1960/61	30679	721114	30679	599794	30679	679899	
1961/62	22559	790472	22559	721114	22559	599794	
1962/63	18408	1288120	18408	790472	18408	721114	
1963/64	16412	1462472	16412	1288120	16412	790472	
1964/65	17291	1003186	17291	1462472	17291	1288120	
1965/66	15778	680891	15778	1003186	15778	1462472	
1966/67	20099	360287	20099	680891	20099	1003186	
1967/68	25874	214542	25874	360287	25874	680891	
1968/69	33104	338037	33104	214542	33104	360287	
1969/70	21522	166323	21522	338037	21522	214542	
		140618		166323		338037	
		249067	1	140618	ł	166323	
		348098	;	249067	•	140618	
		589290		348098		249067	
		387875	:	589290	:	348098	
		442268	;	387875		589290	 i
		294116		442268		387875	
		250212	1	294116		442268	
		1	i	250212		294116	
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	0.048	956786	i				
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Correlati	on Valu	es for Provi	incial Tota	ls of Mink	vs Muskra	it betweer	1970/71	1993/94
Year	Wink	Muskrat Same Year	Mark .	Muskrat 1 Year Out	Mink	Muskrat 2 Years Out	Mink	Muskrat 3 Years Out
1970/71	9592	388714	9592		9592		9592	
1971/72	10686	472579	10686	388714	10686		10686	
1972/73	20368	247175	20368	472579	20368	388714	20368	
1973/74	10904	122182	10904	247175	10904	472579	10904	388714
1974/75	12420	285557	12420	122182	12420	247175	12420	472579
1975/76	11961	411393	11961	285557	11961	122182	11961	247175
1976/77	22379	399333	22379	411393	22379	285557	22379	122182
1977/78	19408	203664	19408	399333	19408	411393	19408	285557
19/8//9	20284	161551	20284	203664	20284	399333	20284	411393
1979/80	24809	328704	24809	101551	24869	203004	24869	399333
1900/01	14004	144065	14004	206266	14004	229704	14004	161551
1982/83	9910	168047	9910	144065	0010	306366	9910	328704
1983/84	7314	235980	7314	168047	7314	144065	7314	396366
1984/85	11976	181123	11976	235980	11976	168047	11976	144065
1985/86	20105	108395	20105	181123	20105	235980	20105	168047
1986/87	15311	215681	15311	108395	15311	181123	15311	235980
1987/88	18681	236156	18681	215681	18681	108395	18681	181123
1988/89	12514	40457	12514	236156	12514	215681	12514	108395
1989/90	11922	13103	11922	40457	11922	236156	11922	215681
1990/91	4002	10255	4002	13103	4002	40457	4002	236156
1991/92	6309	15068	6309	10255	6309	13103	6309	40457
1992/93	6475	22732	6475	15068	6475	10255	6475	13103
1993/94	5073	56256	5073	22732	5073	15068	5073	10255
	0.400	ECODE A		56256	•	22/32		15068
	0.429	208824	0.506	04020		56256		22/32
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Vesr	link	tuskrat 4 Years Ou	link	luskrat 5 Years Ou l	Ink	luskrat 6 Years Ou	link	luskrat 7 Years Out
1970/71	<u>2</u> 9592	2	9592	2	9592	2	2	2
1971/72	10686		10686		10686		10686	
1972/73	20368		20368	1	20368		20368	
1973/74	10904		10904		10904		10904	
1974/75	12420	388714	12420	1	12420	.	12420	
1975/76	11961	472579	11961	388714	11961		11961	
1976/77	22379	247175	22379	472579	22379	388714	22379	
1977/78	19408	122182	19408	247175	19408	472579	19408	388714
1978/79	20284	285557	20284	122182	20284	247175	20284	472579
1979/80	24869	411393	24869	285557	24869	122182	24869	247175
1980/81	19721	399333	19721	411393	19721	285557	19721	122182
1981/82	14994	203664	14994	399333	14994	411393	14994	285557
1902/03	9910 7214	229704	9910	203004	9910	399333	9910	411393
1984/85	11076	306366	11076	229704	11076	203004	11076	399333
1985/86	20105	144065	20105	306366	20105	328704	20105	161551
1986/87	15311	168047	15311	144065	15311	396366	15311	328704
1987/88	18681	235980	18681	168047	18681	144065	18681	396366
1988/89	12514	181123	12514	235980	12514	168047	12514	144065
1989/90	11922	108395	11922	181123	11922	235980	11922	168047
1990/91	4002	215681	4002	108395	4002	181123	4002	235980
1991/92	6309	236156	6309	215681	6309	108395	6309	181123
1992/93	6475	40457	6475	236156	6475	215681	6475	108395
1993/94	5073	13103	5073	40457	5073	236156	5073	215681
	 	10255	·	13103		40457		236156
		15068	·	10255	- <u> </u>	13103		40457
		22732		15068	+	10255		13103
		00200	<u> </u> !	22/32	+	15068		10255
	0 205	07000	<u> </u>	20220		22/3Z	+	15068
	0.303	3/003	0 512	27450	+	- 30230	+	22132 56756
			1 0.3124	121403	0 207	792470	+	30230
			+		0.231	56713	0 2211	57644
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Correlatio	on Value	s for Provir	icial Tota	is of Mink v	/s Muskra	t between	n 1970/71 - 1993/94
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Year	- S	N N	Ş	- Au	E E	Sny	
1970/71	9592		9592		9592		h
1971/72	10686	T	10686		10686		·····
1972/73	20368		20368		20368		
1973/74	10904		10904		10904		
1974/75	12420		12420		12420		
1975/76	11961		11961		11961		1
1976/77	22379		22379		22379	I	· · · · · · · · · · · · · · · · · · ·
1977/78	19408		19408		19408		
1978/79	20284	388714	20284		20284		
1979/80	24869	472579	24869	388714	24869		
1980/81	19721	247175	19721	472579	19721	388714	
1981/82	14994	122182	14994	247175	14994	472579	
1982/83	9910	285557	9910	122182	9910	247175	;
1983/84	7314	411393	7314	285557	7314	122182	· ·
1984/85	11976	399333	11976	411393	11976	285557	· .
1985/86	20105	203664	20105	399333	20105	411393	·
1986/87	15311	161551	15311	203664	15311	399333	· · · · · · · · · · · · · · · · · · ·
1987/88	18681	328704	18681	161551	18681	203664	·
1966/69	12514	396366	12514	328/04	12514	161551	
1989/90	11922	144065	11922	395365	11922	328704	
1990/91	4002	108047	4002	144005	4002	396366	
1991/92	0309	235960	6475	10804/	0309	144065	· · · · · · · · · · · · · · · · · · ·
1002/04	5072	109205	· 04/3	191100	5070	10804/	•
1333134	3013	216694	30/3	101123	50/3	194400	
	;	210001	<u>+</u>	100390	··	101123	
		40467	· ·	210001		215504	· · · · · · · · · · · · · · · · · · ·
		13102	<u>+</u>	40457	+	21001	· · · · · · · · · · · · · · · · · · ·
		10255	1	13102	+	40457	<u> </u>
		15068	<u></u>	10255		13102	
		22732	<u> </u>	15068		10255	<u>├</u>
		56256		22732	+	15068	<u> </u>
				56256	++	22732	
	0 400	63021				56256	
			0,566	055884	++		
					0 4703	372986	
+			<u> </u>				<u></u>

orrelation	Values	for Provin	icial Total	s of Mink	vs Ermine	e betwee	n 1919/20	- 1993/
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Year	- N	E	Nin	E	ŝ	Ē	in in its second se	E
1919/20	16779	118168	16779		16779		16779	
1920/21	14120	69664	14120	118168	14120		14120	
1921/22	29233	67318	29233	69664	29233	118168	29233	
1922/23	19531	38210	19531	67318	19531	69664	19531	118168
1923/24	28120	63054	28120	38210	28120	67318	28120	69664
1924/25	12712	56807	12712	63054	12712	38210	12712	67318
1925/26	16355	84492	16355	56807	16355	63054	16355	38210
1926/27	10748	87892	10748	84492	10748	56807	10748	63054
1927/28	9833	88852	9833	87892	9833	84492	9833	56807
1928/29	11308	108789	11308	88852	11308	87892	11308	84492
1929/30	10729	110094	10729	108789	10729	88852	10729	87892
1930/31	11701	71833	11701	110094	11701	108789	11701	88852
1931/32	12941	88838	12941	71833	12941	110094	12941	108789
1932/33	20860	72529	20860	88838	20860	71833	20860	110094
1933/34	28888	116992	28888	72529	28888	88838	28888	71833
1934/35	21493	80748	21493	116992	21493	72529	21493	88838
1935/36	17037	56187	17037	80748	17037	116992	17037	72529
1936/37	15083	137672	15083	56187	15083	80748	15083	116992
1937/38	11021	113648	11021	137672	11021	56187	11021	80748
1938/39	13894	72523	13894	113648	13894	137672	13894	56187
1939/40	17676	103932	17676	72523	17676	113648	17676	137672
1940/41	26382	136027	26382	103932	26382	72523	26382	113648
1941/42	28712	150193	28712	136027	28712	103932	28712	72523
1942/43	18356	113080	18356	150193	18356	136027	18356	103932
1943/44	21067	155567	21067	113080	21067	150193	21067	136027
1944/45	15338	124815	15338	155567	15338	113080	15338	150193
1945/46	12801	109613	12801	124815	12801	155567	12801	113080
1946/47	15850	103656	15850	109613	15850	124815	15850	155567
1947/48	18778	91600	18778	103656	18778	109613	18778	124815
1948/49	22932	99705	22932	91600	22932	103655	22932	109613
1949/50	29456	152800	29456	99705	29456	91600	29456	103656
1950/51	25212	69556	25212	152800	25212	99705	25212	91600
1951/52	26056	79049	26056	69556	26056	152800	20056	99705
1952/53	26401	105230	26401	79049	26401	69556	20401	152800
1953/54	18432	62578	18432	105230	18432	79049	18432	09556
1954/55	17579	70090	17579	62578	1/579	105230	1/5/9	/9049
1955/56	15384	95641	15384	70090	15384	02578	15364	105230
1956/57	27041	66950	27041	95641	27041	70090	2/041	025/8
1957/58	37854	61002	37854	66950	37854	95641	37854	1 70090

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Year	Į.	E		E	i i	E		E .E
1919/20	16779		16779		16779		16779	
1920/21	14120	╞╼╼╼╼╺┼	14120		14120		14120	
1921/22	29233		29233	i i	29233		29233	
1922/23	19531		19531	1	19531		19531	
1923/24	28120	118168	28120		28120		28120	
1924/25	12712	69664	12712	118168	12712		12712	
1925/26	16355	67318	16355	69664	16355	118168	16355	
1926/27	10748	38210	10748	67318	10748	69664	10748	118168
1927/28	9833	63054	9833	38210	9833	67318	9833	69664
1928/29	11308	56807	11308	63054	11308	38210	11308	67318
1929/30	10729	84492	10729	56807	10729	63054	10729	38210
1930/31	11701	87892	11701	84492	11701	56807	11701	63054
1931/32	12941	88852	12941	87892	12941	84492	12941	56807
1932/33	20860	108/89	20860	88852	20860	87892	20860	84492
1933/34	28888	110094	28888	108789	28888	88852	28888	87892
1934/35	21493	1033	21493	74000	21493	108/89	21493	88852
1935/30	1/03/	70500	1/03/	11833	1/03/	74932	45092	108/89
1930/3/	15065	116007	15063	72520	15083	/1033	15083	74922
1029/20	12904	90749	12904	116002	12904	72520	12904	/1033
1930/39	17676	56197	13034	0749	13094	146002	13054	72520
1040/41	76382	137672	26382	56197	26382	80749	26392	116002
1941/42	28712	113648	20302	137672	20302	56187	20302	80748
1942/43	18356	72523	18356	113648	18356	137672	18356	56187
1943/44	21067	103932	21067	72523	21067	113648	21067	137672
1944/45	15338	136027	15338	103932	15338	72523	15338	113648
1945/46	12801	150193	12801	136027	12801	103932	12801	72523
1946/47	15850	113080	15850	150193	15850	136027	15850	103932
1947/48	18778	155567	18778	113080	18778	150193	18778	136027
1948/49	22932	124815	22932	155567	22932	113080	22932	150193
1949/50	29456	109613	29456	124815	29456	155567	29456	113080
1950/51	25212	103656	25212	109613	25212	124815	25212	155567
1951/52	26056	91600	26056	103656	26056	109613	26056	124815
1952/53	26401	99705	26401	91600	26401	103656	26401	109613
1953/54	18432	152800	18432	99705	18432	91600	18432	103656
1954/55	17579	69556	17579	152800	17579	99705	17579	91600
1955/56	15384	79049	15384	69556	15384	152800	15384	99705
1956/57	27041	105230	27041	79049	27041	69556	27041	152800
1957/58	37854	62578	37854	105230	37854	79049	37854	69556

1958/59	27397	70090	27397	62578	27397	105230	27397	79049
1959/60	27594	95641	27594	70090	27594	62578	27594	105230
1960/61	30679	66950	30679	95641	30679	70090	30679	62578
1961/62	22559	61002	22559	66950	22559	95641	22559	70090
1962/63	18408	43236	18408	61002	18408	66950	18408	95641
1963/64	16412	45205	16412	43236	16412	61002	16412	66950
1964/65	17291	31725	17291	45205	17291	43236	17291	61002
1965/66	15778	29600	15778	31725	15778	45205	15778	43236
1966/67	20099	27970	20099	29600	20099	31725	20099	45205
1967/68	25874	24527	25874	27970	25874	29600	25874	31725
1968/69	33104	41794	33104	24527	33104	27970	33104	29600
1969/70	21522	32034	21522	41794	21522	24527	21522	27970
1970/71	9592	13354	9592	32034	9592	41794	9592	24527
1971/72	10686	26394	10686	13354	10686	32034	10686	41794
1972/73	20368	23325	20368	26394	20368	13354	20368	32034
1973/74	10904	10613	10904	23325	10904	26394	10904	13354
1974/75	12420	5043	12420	10613	12420	23325	12420	26394
1975/76	11961	3765	11961	5043	11961	10613	11961	23325
1976/77	22379	10133	22379	3765	22379	5043	22379	10613
1977/78	19408	5869	19408	10133	19408	3765	19408	5043
1978/79	20284	18205	20284	5869	20284	10133	20284	3765
1979/80	24869	12930	24869	18205	24869	5869	24869	10133
1980/81	19721	16938	19721	12930	19721	18205	19721	5869
1981/82	14994	10998	14994	16938	14994	12930	14994	18205
1982/83	9910	14859	9910	10998	9910	16938	9910	12930
1983/84	7314	21314	7314	14859	7314	10998	7314	16938
1984/85	11976	15520	11976	21314	11976	14859	11976	10998
1985/86	20105	9878	20105	15520	20105	21314	20105	14859
1986/87	15311	5991	15311	9878	15311	15520	15311	21314
1987/88	18681	5221	18681	5991	18681	9878	18681	15520
1988/89	12514	10649	12514	5221	12514	5991	12514	9878
1989/90	11922	9011	11922	10649	11922	5221	11922	5991
1990/91	4002	9550	4002	9011	4002	10649	4002	5221
1991/92	6309	10961	6309	9550	6309	9011	6309	10649
1992/93	6475	6439	6475	10961	6475	9550	6475	9011
1993/94	5073	2462	5073	6439	5073	10961	5073	9550
		1402	į	2462	- <u> </u>	6439		10961
		1932		1402		2462	- <u> </u>	6439
		2020		1932		1402		2462
		2844	<u> </u>	2020		1932	<u> </u>	1402
		07004		2844	+	2020		1932
	0.3714	5/234	0.000	07000		2844		2020
			0.3671	0/300	0.0000	70500		2844
					0.3339	19295		04904
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Year	Ĩ	E	l i i	E	Ĩ	E	
1919/20	16779		16779	;	16779		 <u>+</u>
1920/21	14120		14120		14120		 ÷
1921/22	29233		29233		29233		
1922/23	19531		19531		19531		 <u></u>
1923/24	28120		28120		28120		 +
1924/25	12712		12712		12712		 +
1925/26	16355		16355		16355		 ÷
1926/27	10748		10748		10748		 ÷
1927/28	9833	118168	9833		9833		
1928/29	11308	69664	11308	118168	11308		 1
1929/30	10729	67318	10729	69664	10729	118168	 1
1930/31	11701	38210	11701	67318	11701	69664	 <u></u>
1931/32	12941	63054	12941	38210	12941	67318	
1932/33	20860	56807	20860	63054	20860	38210	
1933/34	28888	84492	28888	56807	28888	63054	 1
1934/35	21493	87892	21493	84492	21493	56807	
1935/36	17037	88852	17037	87892	17037	84492	1
1936/37	15083	108789	15083	88852	15083	87892	
1937/38	11021	110094	11021	108789	11021	88852	
1938/39	13894	71833	13894	110094	13894	108789:	
1939/40	17676	88838	17676	71833	17676	110094	
1940/41	26382	72529	26382	88838	26382	71833	-
1941/42	28712	116992	28712	72529	28712	88838	
1942/43	18356	80748	18356	116992	18356	72529	
1943/44	21067	56187	21067	80748	21067	116992	
1944/45	15338	137672	15338	56187	15338	80748	
1945/46	12801	113648	12801	137672	12801	56187	
1946/47	15850	72523	15850	113648	15850	137672	
1947/48	18778	103932	18778	72523	18778	113648	1
1948/49	22932	136027	22932	103932	22932	72523	1
1949/50	29456	150193	29456	136027	29456	103932	
1950/51	25212	113080	25212	150193	25212	136027	
1951/52	26056	155567	26056	113080	26056	150193	
1952/53	26401	124815	26401	155567	26401	113080	
1953/54	18432	109613	18432	124815	18432	155567	
1954/55	17579	103656	17579	109613	17579	124815	
1955/56	15384	91600	15384	103656	15384	109613	
1956/57	27041	99705	27041	91600	27041	103656	
1057/58	37854	152800	37854	99705	37854	91600	t

1958/69 27397 152800 27397 99705 1959/60 27594 79049 27594 69556 27594 152800 1960/61 30679 105230 30679 79049 30679 105230 1961/62 22559 62578 12800 12806 105230 22578 16412 62578 1963/64 16412 95641 16412 95641 17291 70090 138066 1966/76 20094 43236 20099 60902 20099 66950 15778 95641 1966/77 20094 43236 20099 60902 21522 45205 197071 9592 29600 9592 31725 197071 19582 27970 9592 20600 9592 31725 197071 19582 24770 10686 24527 10717 19522 29700 9592 231725 19777 19747 12420 3234 12420 14521 119777 19604 3203			And the second s			the second second second second second second second second second second second second second second second se		
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1981/62 22559 62578 22559 10408 105230 1962/63 18408 70090 18408 62578 18408 105230 1963/64 16412 65650 17291 66950 15778 95641 17291 1965/66 15778 61002 15778 66950 15778 95641 1 1966/67 20099 43236 20099 61002 20099 66950 1 1966/67 25874 45205 25874 43236 1 1 1 1966/67 21522 29600 21522 31725 21522 45205 1 <	1960/61	30679	105230	30679	79049	30679	69556	
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1967/68 25874 45205 25874 43236 25874 61002 1968/69 33104 31725 33104 45205 33104 43236 1969/70 21522 29600 21522 21522 245205 1197071 1970/71 9592 27970 9592 29600 9592 21725 10686 24527 1971/72 10686 24527 10688 27970 10686 29600 1197277 1973/74 10904 32034 10904 41794 10904 24527 11974 1974/75 11961 26394 11961 13354 12420 13354 1977/78 19408 10613 19408 20325 197408 23325 1375 1978/79 20284 5043 20284 10613 20284 20613 2034 10613 1978/79 20284 5043 20284 10613 14994 3765 1982/83 910 18205 1313 19898 1989/81 19721 10133 1989/81 1989/81	1966/67	20099	43236	20099	61002	20099	66950	T
1968/09 33104 31725 33104 45205 133104 43236 1969/70 21522 29600 21522 31725 21522 45205 1970/71 9592 27970 9592 29600 9592 31725 1971/72 10686 24527 10686 27970 10686 29600 1972/73 20368 41794 20368 24527 20368 27970 1973/75 12420 13354 12420 32034 12420 41794 1975/76 1961 26394 11961 13354 11961 32034 1976/77 22379 23325 22379 26394 22379 13354 1977/78 19408 10613 20284 20345 10613 19796 1978/79 20284 5043 20284 10613 20284 23325 19408 26394 1978/79 20284 5043 24689 10613 19894 3765 1982 1980/81 19721 5043 1980/81 19721 101	1967/68	25874	45205	25874	43236	25874	61002	
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1973/74 10904 32034 10904 41794 10904 24527 1974/75 12420 13354 12420 32034 12420 41794 1975/76 11961 26394 11961 13354 11961 32034 1976/77 22379 23325 22379 26394 22379 13354 1977/78 19408 10613 19408 23325 19408 26394 1977/78 19408 10613 20284 10613 20284 23325 1977/78 19408 5043 20284 10613 20284 23325 1977/78 19408 10613 20284 20325 19408 26394 1978/79 20284 5043 24869 10613 10218 23325 1980/81 19721 10133 19721 3765 19721 5043 1980/81 19721 10133 14994 3765 1982 10133 1981/82 11976 18205 7314 1869 12055 19830 1982 14859<	1972/73	20368	41794	20368	24527	20368	27970	
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1983/84 7314 12930 7314 18205 7314 5869 1984/85 11976 16938 11976 12930 11976 18205 1985/86 20105 10998 20105 16938 20105 12930 1986/87 15311 14859 15311 10998 15311 16938 1987/88 18681 21314 18681 14859 18681 10998 1988/89 12514 15520 12514 21314 14859 1988/89 12514 15520 11922 21314 1990/91 4002 59878 4002 15520 1991/92 6309 5221 6309 5991 6309 9878 1992/93 6475 10649 6475 5221 6475 5991 1993/94 5073 9011 5073 5221 6439 9011 10961 9550 9011 10649 10961 9550 9011 1402 2462 6439 10961 1932 1402 2462	1982/83	9910	18205	9910	5869	9910	10133	·
1984/85 11976 16938 11976 12930 11976 18205 1985/86 20105 10998 20105 16938 20105 12930 1986/87 15311 14859 15311 10998 15311 16938 1986/87 15311 14859 15311 10998 15311 16938 1987/88 18681 21314 18681 14859 18681 10998 1988/89 12514 15520 12514 21314 12514 14859 1989/90 11922 9878 11922 1520 11922 21314 1990/91 4002 5991 4002 9878 4002 15520 1991/92 6309 5221 6309 5991 6309 9878 1992/93 6475 10649 6475 5221 6475 5991 1993/94 5073 9011 10649 5073 5221 9550 9011 10649 9550 9011 1402 2462 6439 10961 1402	1983/84	7314	12930	7314	18205	7314	5869	
1985/86 20105 10998 20105 16938 20105 12930 1986/87 15311 14859 15311 10998 15311 16938 1987/88 18681 21314 18681 14859 18681 10998 1987/88 18681 21314 18681 14859 18681 10998 1988/89 12514 15520 12514 21314 12514 14859 1989/90 11922 9878 11922 15520 11922 21314 1990/91 4002 5991 4002 9878 4002 15520 1991/92 6309 5221 6309 5991 6309 9878 1992/93 6475 10649 6475 5221 6475 5991 1993/94 5073 9011 10649 5073 5221 9550 9011 10649 9550 9011 6439 10961 9550 9011 1402 2462 6439 10961 1932 1402 2462 <	1984/85	11976	16938	11976	12930	11976	18205	
1986/87 15311 14859 15311 10998 15311 16938 1987/88 18681 21314 18681 14859 18681 10998 1988/89 12514 15520 12514 21314 12514 14859 1989/90 11922 9878 11922 15520 11922 21314 1990/91 4002 5991 4002 9878 4002 15520 1991/92 6309 5221 6309 5991 6309 9878 1992/93 6475 10649 6475 5221 6475 5991 1993/94 5073 9011 5073 5221 9550 9011 1993/94 5073 9011 10649 9550 9011 10961 9550 9011 10649 10961 9550 2462 6439 10961 9550 2462 6439 10961 1932 1402 2462 6439 10961 1932 1402 2844 2020 2844 2020 1932 1402 <td>1985/86</td> <td>20105</td> <td>10998</td> <td>20105</td> <td>16938</td> <td>20105</td> <td>12930</td> <td></td>	1985/86	20105	10998	20105	16938	20105	12930	
1987/88 18681 21314 18681 14859 18681 10998 1988/89 12514 15520 12514 21314 12514 14859 1988/89 11922 9878 11922 15520 11922 21314 1990/91 4002 5991 4002 9878 4002 15520 1991/92 6309 5221 6309 5991 6309 9878 1992/93 6475 10649 6475 5221 6475 5991 1993/94 5073 9011 5073 5221 6475 5991 1993/94 5073 9011 5073 5221 6475 5991 1993/94 5073 9011 10649 5073 5221 6475 10961 9550 9011 10649 9550 9011 10649 1402 2462 6439 10961 9550 2462 6439 10961 1932 1402 2462 6439 1402 2462 6439 1402 2462 0.4037	1986/87	15311	14859	15311	10998	15311	16938	· · · · · · · · · · · · · · · · · · ·
1988/89 12514 15520 12514 21314 12514 14859 1989/90 11922 9878 11922 15520 11922 21314 1990/91 4002 5991 4002 9878 4002 15520 1991/92 6309 5221 6309 5991 6309 9878 1992/93 6475 10649 6475 5221 6475 5991 1993/94 5073 9011 5073 5221 9911 10649 1993/94 5073 9011 10649 9550 9011 10649 10961 9550 9011 10649 9550 9011 10649 10961 9550 9011 10649 9550 9011 10961 2462 6439 10961 9550 9011 10961 10961 1932 1402 2462 6439 10961 10961 10961 1932 1402 2462 6439 1402 2462 1402 1402 1402 1402 1402 <	1987/88	18681	21314	18681	14859	18681	10998	·
1989/90 11922 9878 11922 11922 21314 1990/91 4002 5991 4002 9878 4002 15520 1991/92 6309 5221 6309 5991 6309 9878 1992/93 6475 10649 6475 5221 6475 5991 1993/94 5073 9011 5073 5221 6475 5221 9550 9011 10649 9550 9011 10649 10961 9550 9011 10649 9550 9011 6439 10961 9550 9011 9550 9011 10961 2462 6439 10961 9550 9011 10961 9550 10961 1402 2462 6439 10961 9102 1402 1402 1402 1402 1402 1402 1402 1402 1402 1402 1402 1402 1402 1402 1402 1402 1402 1932 1402 1932 1402 1932 1402 1932 1402	1988/89	12514	15520	12514	21314	12514	14859	i
1990/91 4002 5991 4002 9878 4002 15520 1991/92 6309 5221 6309 5991 6309 9878 1992/93 6475 10649 6475 5221 6475 5991 1993/94 5073 9011 5073 5221 6475 5221 9550 9011 10649 5073 5221 9011 10961 9550 9011 10649 9550 2462 6439 10961 9550 9011 1402 2462 6439 10961 9550 2020 1932 1402 2462 6439 1932 1402 2462 6439 10961 2020 1932 1402 2462 1932 2844 2020 1932 1402 2844 2844 2020 1932 1932 1932 0.4558893888 2844 2020 1932 1932 0.407770229 0.403374952 0.403374952 0.403374952	1989/90	11922	9878	11922	15520	11922	21314	
1991/92 6309 5221 6309 5991 6309 9878 1992/93 6475 10649 6475 5221 6475 5991 1993/94 5073 9011 5073 5221 6475 5221 9550 9011 10649 5073 5221 10649 10961 9550 9011 10649 10961 6439 10961 9550 9011 10961 2462 6439 10961 9550 10961 1402 2462 6439 10961 10961 1932 1402 2462 6439 10961 2020 1932 1402 2462 1402 2844 2020 1932 1402 1402 0.458893888 2844 2020 1932 1402 0.407770229 0.403374952 0.403374952 0.403374952	1990/91	4002	5991	4002	9878	4002	15520	
1992/93 6475 10649 6475 5221 6475 5991 1993/94 5073 9011 5073 10649 5073 5221 9550 9011 10649 10649 10649 10649 10961 9550 9011 10649 10649 6439 10961 9550 9011 10649 2462 6439 10961 9550 10961 1402 2462 6439 10961 10961 1932 1402 2462 6439 10961 2020 1932 1402 2462 1402 2844 2020 1932 1402 1402 2844 2020 1932 1402 1402 0.458893888 2844 2020 1932 1402 0.458893888 0.407770229 0.403374952 1403374952	1991/92	6309	5221	6309	59 91	6309	9878	
1993/94 5073 9011 5073 5221 9550 9011 10649 10649 10961 9550 9011 10649 6439 10961 9550 9011 2462 6439 10961 9550 1402 2462 6439 10961 1932 1402 2462 6439 2020 1932 1402 2462 2020 1932 1402 2462 2844 2020 1932 1402 0.458893888 2844 2020 1932 0.403374952 0.403374952 0.403374952	1992/93	6475	10649	6475	5221	6475	5991	
9550 9011 10649 10961 9550 9011 6439 10961 9550 2462 6439 10961 1402 2462 6439 1932 1402 2462 2020 1932 1402 2844 2020 1932 0.458893888 2844 2020 0.403374952 0.403374952	1993/94	5073	9011	5073	10649	5073	5221	
10961 9550 9011 6439 10961 9550 2462 6439 10961 1402 2462 6439 1932 1402 2462 2020 1932 1402 2844 2020 1932 0.458893888 2844 0.403374952 0.403374952	·		9550		9011	!	10649	
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orrelation	1 Values	for Provi	ncial Total	s of Mink	vs Ermine	betwee	n 1919/20	- 1969/
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Year		E	i i	Ē		E	Ť	Ē
1919/20	16779	118168	16770	—	16770	W	16770	<u> </u>
1920/21	14120	69664	14120	118168	14120		14120	
1921/22	29233	67318	29233	69664	29233	118168	29233	
1922/23	19531	38210	19531	67318	19531	69664	19531	11816
1923/24	28120	63054	28120	38210	28120	67318	28120	69664
1924/25	12712	56807	12712	63054	12712	38210	12712	67318
1925/26	16355	84492	16355	56807	16355	63054	16355	38210
1926/27	10748	87892	10748	84492	10748	56807	10748	63054
1927/28	9833	88852	9833	87892	9833	84492	9833	56807
1928/29	11308	108789	11308	88852	11308	87892	11308	84492
1929/30	10729	110094	10729	108789	10729	88852	10729	87892
1930/31	11701	71833	11701	110094	11701	108789	11701	88852
1931/32	12941	88838	12941	71833	12941	110094	12941	10878
1932/33	20860	72529	20860	88838	20860	71833	20860	11009
1933/34	28888	116992	28888	72529	28888	88838	28888	71833
1934/35	21493	80748	21493	116992	21493	72529	21493	88838
1935/36	17037	56187	17037	80748	17037	116992	17037	72529
1936/37	15083	137672	15083	56187	15083	80748	15083	11699
1937/38	11021	113648	11021	137672	11021	56187	11021	80748
1938/39	13894	72523	13894	113648	13894	137672	13894	56187
1939/40	17676	103932	17676	72523	17676	113648	17676	13767
1940/41	26382	136027	26382	103932	26382	72523	26382	11364
1941/42	28712	150193	28712	136027	28712	103932	28712	72523
1942/43	18356	113080	18356	150193	18356	136027	18356	10393
1943/44	21067	155567	21067	113080	21067	150193	21067	13602
1944/45	15338	124815	15338	155567	15338	113080	15338	15019
1945/46	12801	109613	12801	124815	12801	155567	12801	11308
1946/47	15850	103656	15850	109613	15850	124815	15850	15556
1947/48	18778	91600	18778	103656	18778	109613	18778	12481
1948/49	22932	99705	22932	91600	22932	103656	22932	109613
1949/50	29456	152800	29456	99705	29456	91600	29456	103656
1950/51	25212	69556	25212	152800	25212	99705	25212	91600
1951/52	26056	79049	26056	69556	26056	152800	26056	99705
1952/53	26401	105230	26401	79049	26401	69556	26401	152800
1953/54	18432	62578	18432	105230	18432	79049	18432	69556
1954/55	17579	70090	17579	62578	17579	105230	17579	79049
1955/56	15384	95641	15384	70090	15384	62578	15384	105230
1956/57	27041	66950	27041	95641	27041	70090	27041	62578
1957/58	37854	61002	37854	66950 L	37854	95641	37854	70090

1958/59	27397	43236	27397	61002	27397	66950	27397	95641
1959/60	27594	45205	27594	43236	. 27594	61002	27594	66950
1960/61	30679	31725	30679	45205	: 30679	43236	30679	61002
1961/62	22559	29600	22559	31725	22559	45205	22559	43236
1962/63	18408	27970	18408	29600	18408	31725	18408	45205
1963/64	16412	24527	16412	27970	16412	29600	16412	31725
1964/65	17291	41794	17291	24527	17291	27970	17291	29600
1965/66	15778	32034	15778	41794	15778	24527	15778	27970
1966/67	20099	13354	20099	32034	20099	41794	20099	24527
1967/68	25874	26394	25874	13354	25874	32034	25874	41794
1968/69	33104	23325	33104	26394	33104	13354	33104	32034
1969/70	21522	10613	21522	23325	21522	26394	21522	13354
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Year	Mink	Ermine 4 Years Out	Mink	Ermine 5 Years Out	Ank	Ermine 6 Years Out	Ank	Ermine 7 Years Out
1919/20	16779		16779		16779		16779	
1920/21	14120		14120		14120		14120	
1921/22	29233		29233		29233		29233	
1922/23	19531		19531	:	19531		19531	
1923/24	28120	118168	28120	1	28120		28120	
1924/25	12712	69664	12712	118168	12712	1	12712	
1925/26	16355	67318	16355	69664	16355	118168	16355	
1926/27	10748	38210	10748	67318	10748	69664	10748	118168
1927/28	9833	63054	9833	38210	9833	67318	9833	69664
1928/29	11308	56807	11308	63054	11308	38210	11308	67318
1929/30	10729	84492	10729	56807	10729	63054	10729	38210
1930/31	11701	87892 :	11701	84492	11701	56807	11701	63054
1931/32	12941	88852	12941	87892	12941	84492	12941	56807
1932/33	20860	108789	20860	88852	20860	87892	20860	84492
1933/34	28888	110094	28888	108789	28888	88852	28888	87892
1934/35	21493	71833	21493	110094	21493	108789	21493	88852
1935/36	17037	88838	17037	71833	17037	110094	17037	108789
936/37	15083	72529	15083	88838	15083	71833	15083	110094
1937/38	11021	116992	11021	72529	11021	88838	11021	71833
1938/39	13894	80748	: 13894 ;	116992	13894	72529	13894	88838
1939/40	17676	56187	17676	80748	17676	116992	17676	72529
1940/41	26382	137672	26382	56187	26382	80748	26382	116992
1941/42	28712	113648	28712	137672	28712	56187	28712	80748
1942/43	18356	72523	18356	113648	18356	137672	18356	56187
1943/44	21067	103932	21067	72523	21067	113648	21067	137672
1944/45	15338	136027	15338	103932	15338	72523	15338	113648
1945/46	12801	150193	12801	136027	12801	103932	12801	72523
946/47	15850	113080	15850	150193	15850	136027	15850	103932
947/48	18778	155567	18778	113080	18778	150193	18778	136027
948/49	22932	124815	22932	155567	22932	113080	22932	150193
949/50	29456	109613	29456	124815	29456	155567	29456	113080
954/51	25212	103655	25212	109613	25212	124815	25212	155567
1931/32	20056	91600	20056	103656	26056	109613	26056	124815
1952/53	20401	39/02	20401	91000	20401	103050	20401	109613
1953/54	18432	152800	18432	49/05	18432	91000	18432	103656
1954/55	1/5/9	70040	1/579	152800	1/579	49705	1/579	91600
300/00	15384	19049	15384	70040	10384	102800	10384	450000
	2/141	105230	2/041	/9049	2/041	09000	2/041	152800

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				10613		23325		263
		10613		23325		26394		133
		23325	Ţ	26394		13354	1	320
		26394	· · · · · · · · · · · · · · · · · · ·	13354		32034		417
		13354		32034	1	41794		245
1969/70	21522	32034	21522	41794	21522	24527	21522	279
1968/69	33104	41794	33104	24527	33104	27970	33104	296
1967/68	25874	24527	25874	27970	25874	29600	25874	317
1966/67	20099	27970	20099	29600	20099	31725	20099	452
1965/66	15778	29600	15778	31725	15778	45205	15778	432
1964/65	17291	31725	17291	45205	17291	43236	17291	610
1963/64	16412	45205	16412	43236	16412	61002	16412	669
1962/63	18408	43236	18408	61002	18408	66950	18408	956
1961/62	22559	61002	22559	66950	22559	95641	22559	700
1960/61	30679	66950	30679	95641	30679	70000	10679	624
1959/60	27504	05641	27504	70000	27504	62678	27504	105

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Year	ž	ш Ш	ž	Ш.	ž	Ш		
1919/20	16779		16779		16779			
1920/21	14120		14120		14120			
1921/22	29233		29233		29233			
1922/23	19531		19531		19531			
1923/24	28120		28120		28120			
1924/25	12712		12712		12712			
1925/26	16355		16355		16355			
1926/27	10748	l	10748		10748			
1927/28	9833	118168	9833		9833			
1928/29	11308	69664	11308	118168	11308			
1929/30	10729	67318	10729	69664	10729	118168		
1930/31	11701	38210	11701	67318	11701	69664		-
1931/32	12941	63054	12941	38210	12941	67318		
1932/33	20860	56807	20860	63054	20860	38210		
1933/34	28888	84492	28888	56807	28888	63054		
1934/35	21493	87892	21493	84492	21493	56807		
1935/36	17037	88852	17037	87892	17037	84492		
1936/37	15083	108789	15083	88852	15083	87892		
1937/38	11021	110094	11021	108789	11021	88852		
1938/39	13894	71833	13894	110094	13894	108789		!
1939/40	17676	88838	17676	71833	17676	110094		i
1940/41	26382	72529	26382	88838 :	26382	71833		
1941/42	28712	116992	28712	72529	28712	88838		
1942/43	18356	80748	18356	116992	18356	72529		
1943/44	21067	56187	21067	80748	21067	116992		
1944/45	15338	137672	15338	56187	15338	80748		
1945/46	12801	113648	12801	137672	12801	56187		1
1946/47	15850	72523	15850	113648	15850	137672		
1947/48	18778	103932	18778	72523	18778	113648		
1948/49	22932	136027	22932	103932	22932	72523		
1949/50	29456	150193	29456	136027	29456	103932		
1950/51	25212	113080	25212	150193	25212	136027		
1951/52	26056	155567	26056	113080	26056	150193		
1952/53	26401	124815	26401	155567	26401	113080		
1953/54	18432	109613	18432	124815	18432	155567		
1954/55	17579	103656	17579	109613	17579	124815		
1955/56	15384	91600	15384	103656	15384	109613		
1956/57	27041	99705	27041	91600	27041	103656		1
1957/58	37854	152800	37854	99705	37854	91600		

1958/59	27397	69556	27397	152800	27397	99705	
1959/60	27594	79049	27594	69556	27594	152800	 1
1960/61	30679	105230	30679	79049	30679	69556	 1
1961/62	22559	62578	22559	105230	22559	79049	
1962/63	18408	70090	18408	62578	18408	105230	
1963/64	16412	95641	16412	70090	16412	62578	
1964/65	17291	66950	17291	95641	17291	70090	
1965/66	15778	61002	15778	66950	15778	95641	
1966/67	20099	43236	20099	61002	20099	66950	
1967/68	25874	45205	25874	43236	25874	61002	
1968/69	33104	31725	33104	45205	33104	43236	
1969/70	21522	29600	21522	31725	21522	45205	
		27970	<u>.</u>	29600		31725	
		24527		27970		29600	
		41794		24527		27970	
		32034		41794		24527	 1
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		23325		26394		13354	 
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orrelation	<b>Values</b>	for Provir	icial Total	s of Mink	vs Ermine	e betwee	n 1970/71	- 1993/
Year	Wink	Ermine Same Year	Mink	Ermine 1 Year Out	Mink	Ermine 2 Years Out	Mink	Ermine 3 Years Out
1970/71	9592	5043	9592		9592		9592	
1971/72	10686	3765	10686	5043	10686		10686	
1972/73	20368	10133	20368	3765	20368	5043	20368	-
19/3//4	10904	5869	10904	10133	10904	3765	10904	5043
1974//3	14061	10200	11004	18205	12420	10133	12420	3/05
1978/77	22370	16039	22270	120203	22270	18205	22270	5860
1977/78	19408	10938	19408	16938	19408	12930	19408	18205
1978/79	20284	14859	20284	10998	20284	16938	20284	12930
1979/80	24869	21314	24869	14859	24869	10998	24869	16938
1980/81	19721	15520	19721	21314	19721	14859	19721	10998
1981/82	14994	9878	14994	15520	14994	21314	14994	14859
1982/83	9910	5991	9910	9878	9910	15520	9910	21314
1983/84	7314	5221	7314	5991	7314	9878	7314	15520
1984/85	11976	10649	11976	5221	11976	5991	11976	9878
1985/86	20105	9011	20105	10649	20105	5221	20105	5991
1986/87	15311	9550	15311	9011	15311	10649	15311	5221
1987/88	18681	10961	18681	9550	18681	9011	18681	10649
1988/89	12514	6439	12514	10961	12514	9550	12514	9011
1989/90	11922	2402	11922	0439	11922	10961	11922	9550
1990/91	6300	1032	6200	1402	6300	2462	6300	6420
1992/93	6475	2020	6475	1032	6475	1402	6475	2462
1993/94	5073	2844	5073	2020	5073	1932	5073	1402
				2844		2020		1932
	0.8049	95844				2844		2020
			0.6412	19469				2844
	i	1			0.5080	96366		
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Year	<b>Vink</b>	Etmine 4 Years Out	Mink	Ermine 5 Years Out	Mink	Ermine 6 Years Out	Mnk	Ermine 7 Years Out
1970/71	9592		9592		9592		9592	· · · · · · · · · · · · · · · · · · ·
1971/72	10686		10686	·	10686		10686	<u> </u>
1972/73	20368		20368		20368		20368	
1973/74	10904		10904		10904		10904	
1974/75	12420	5043	12420		12420		12420	•••••
1975/76	11961	3765	11961	5043	11961	1	11961	· · · · · · · · · · · · · · · · · · ·
1976/77	22379	10133	22379	3765	22379	5043	22379	•
1977/78	19408	5869	19408	10133	19408	3765	19408	5043
1978/79	20284	18205	20284	5869	20284	10133	20284	3765
1979/80	24869	12930	24869	18205	24869	5869	24869	10133
1980/81	19721	16938	19721	12930	19721	18205	19721	5869
1981/82	14994	10998	14994	16938	14994	12930	14994	18205
1982/83	9910	14859	9910	10998	9910	16938	9910	12930
1983/84	7314	21314	7314	14859	7314	10998	7314	16938
1984/85	11976	15520	11976	21314	11976	14859	11976	10998
1985/86	20105	9878	20105	15520	20105	21314	20105	14859
1986/87	15311	5991	15311	9878	15311	15520	15311	21314
1987/88	18681	5221	18681	5991	18681	9878	18681	15520
1988/89	12514	10649	12514	5221	12514	<u>5991</u>	12514	9878
1989/90	11922	9011	11922	10649	. 11922 :	5221	11922	5991
1990/91	4002	9550	4002	9011	4002	10649	4002	5221
1991/92	6309	10961	6309	9550	6309	9011	6309	10649
1992/93	6475	6439	6475	10961	6475	9550	6475	9011
1993/94	5073	2462	5073	6439	5073	10961	5073	9550
		1402	ļ	2462	·	6439		10961
		1932		1402		2462		6439
		2020	ļ	1932	·	1402	<u> </u>	2462
		2844		2020		1932		1402
			ļ	2844	1	2020	<u> </u>	1932
	0.1364	35764				2844		2020
			0.0829	40727				2844
			<u> </u>		-0.0478	57466	<u> </u>	
			l				0.0023	49023
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		Years Out		Years Out		0 Years Out	
Year	Mink	Ermine 8	Mink	Emine 9	Mink	Ermine 1(	
1970/71	9592		9592		9592		
1971/72	10686		10686	!	10686		
1972/73	20368		20368		20368		 ! 
1973/74	10904		10904		10904		 
1974/75	12420		12420		12420		 
1975/76	11961		11961		11961		 
19/0///	223/9	i	223/9		223/9		 
1079/70	20284	5043	20284		20284	<u> </u>	 
1970/19	24860	3765	20204	5043	20204		 <u> </u>
1980/81	19721	10133	19721	3765	19721	5043	 
1981/82	14994	5869	14994	10133	14994	3765	 
1982/83	9910	18205	9910	5869	9910	10133	 
1983/84	7314	12930	7314	18205	7314	5869	 
1984/85	11976	16938	11976	12930	11976	18205	 
1985/86	20105	10998	20105	16938	20105	12930	 
1986/87	15311	14859	15311	10998	15311	16938	 !
1987/88	18681 :	21314	18681	14859	18681	10998	
1988/89	12514	15520	12514	21314	12514	14859	 
1989/90	11922	9878	11922	15520	11922	21314	 
1990/91	4002	5991	4002	9878	4002	15520	 
1991/92	6309	5221	6309	5991	6309	9878	 
1992/93	6475	10649	6475	5221	6475	5991	 
1993/94	5073	9011	5073	10649	5073	5221	 
		9000		9011		10549	 
		6420	<u> </u>	10061	: ,	9011	 <del></del>
		2462		6420		10061	 
	i	1402		2462		6439	 +
		1932		1402		2462	 +
		2020	<u>+</u> ł	1932	÷	1402	 - <u> </u>
		2844		2020	<u> </u>	1932	 
			<u>†</u>	2844	÷;	2020	 
	-0.0327	60293			·	2844	 
			-0.0188	42657	1		 
			1 1		0.0831	67215	 1

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1010/20	2	118168	518288	<u> </u>	518288		518288	<u> </u>
1920/21	396180	69664	396180	118168	396180		396180	
1921/22	511529	67318	511529	69664	511529	118168	511529	<u> </u>
1922/23	602100	38210	602100	67318	602100	69664	602100	11816
1923/24	554716	63054	554716	38210	554716	67318	554716	69664
1924/25	306906	56807	306906	63054	306906	38210	306906	67318
1925/26	441623	84492	441623	56807	441623	63054	441623	38210
1926/27	226841	87892	226841	84492	226841	56807	226841	63054
1927/28	213866	88852	213866	87892	213866	84492	213866	56807
1928/29	236398	108789	236398	88852	236398	87892	236398	84492
1929/30	251986	110094	251986	108789	251986	88852	251986	87892
1930/31	300624	71833	300624	110094	300624	108789	300624	88852
1931/32	441378	88838	441378	71833	441378	110094	441378	108789
1932/33	421799	72529	421799	88838	421799	71833	421799	110094
1933/34	385060	116992	385060	72529	385060	88838	385060	71833
1934/35	321828	80748	321828	116992	321828	72529	321828	88838
1935/36	271885	56187	271885	80748	271885	116992	271885	72529
1936/37	324820	137672	324820	56187	324820	80748	324820	116992
1937/38	285440	113648	285440	137672	285440	56187	285440	80748
1938/39	374896	72523	374896	113648	374896	137672	374896	56187
1939/40	682375	103932	682375	72523	682375	113648	682375	137672
1940/41	659928	136027	659928	103932	659928	72523	659928	113648
1941/42	331362	150193	331362	136027	331362	103932	331362	72523
1942/43	280838	113080	280838	150193	280838	136027	280838	103932
1943/44	581862	155567	581862	113080	581862	150193	581862	136027
1944/45	855724	124815	855724	155567	855724	113080	855724	150193
1945/46	958099	109613	958099	124815	958099	155567	958099	113080
1946/47	808692	103656	808692	109613	808692	124815	808692	155567
1947/48	822998	91600	822998	103656	822998	109613	822998	124815
1948/49	930330	99705	930330	91600	930330	103656	930330	109613
1949/50	796456	152800	796456	99705	796456	91600	796456	103656
1950/51	679899	69556	679899	152800	679899	99705	679899	91600
1951/52	599794	79049	599794	69556	599794	152800	599794	99705
1952/53	721114	105230	721114	79049	721114	69556	721114	152800
1953/54	790472	62578	790472	105230	790472	79049	790472	69556
1954/55	1288120	70090	1288120	62578	1288120	105230	1288120	79049
1955/56	1462472	95641	1462472	70090	1462472	62578	1462472	105230
1956/57	1003186	66950	1003186	95641	1003186	70090	1003186	62578

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			0.3075		0.5649	1021		2044
	0.52634		0 5075	34487	÷;	2044		2020
	0 6292	44800		2044		2020	- <u> </u> '	2020
1993/94	56256	2844	56256	2020	56256	1932	56256	1402
1992/93	22732	2020	22732	1932	22732	1402	22732	2462
1991/92	15068	1932	15068	1402	15068	2462	15068	6439
1990/91	10255	1402	10255	2462	10255	6439	10255	10961
1989/90	13103	2462	13103	6439	13103	10961	13103	9550
1988/89	40457	6439	40457	10961	40457	9550	40457	9011
1987/88	236156	10961	236156	9550	236156	9011	236156	10649
1986/87	215681	9550	215681	9011	215681	10649	215681	5221
1985/86	108395	9011	108395	10649	108395	5221	108395	5991
1984/85	181123	10649	181123	5221	181123	5991	181123	9878
1983/84	235980	5221	235980	5991	235980	9878	235980	15520
1982/83	168047	5991	168047	9878	168047	15520	168047	21314
1981/82	144065	0879	144065	15520	144065	21214	144066	14850
1080/94	306366	15520	320/04	14609	328/04	10998	328/04	10938
19/0//9	101001	14059	229704	14950	101551	10938	101551	12930
19///78	203664	10998	203664	16938	203664	12930	203664	18205
1976/77	399333	16938	399333	12930	399333	18205	399333	5869
1975/76	411393	12930	411393	18205	411393	5869	411393	10133
1974/75	285557	18205	285557	5869	285557	10133	285557	3765
1973/74	122182	5869	122182	10133	122182	3765	122182	5043
1972/73	247175	10133	247175	3765	247175	5043	247175	10613
1971/72	472579	3765	472579	5043	472579	10613	472579	23325
1970/71	388714	5043	388714	10613	388714	23325	388714	26394
1969/70	250212	10613	250212	23325	250212	26394	250212	13354
1968/69	294116	23325	294116	26394	294116	13354	294116	32034
1967/68	442268	26394	442268	13354	442268	32034	442268	41794
1966/67	387875	13354	387875	32034	387875	24327 41704	387875	21910
1965/66	580200	32024	590200	41704	590200	2/9/0	580200	29000
1963/64	249067	24527	249067	27970	249067	29600	249067	31725
1962/63	140618	27970	140618	29600	140618	31725	140618	45205
1961/62	166323	29600	166323	31725	166323	45205	166323	43236
1960/61	338037	31725	338037	45205	338037	43236	338037	61002
1959/60	214542	45205	214542	43236	214542	61002	214542	66950
1958/59	360287	43236	360287	61002	360287	66950	360287	95641

		Years Out		Years Out		Years Out		7 Years Out	
Year	Muskrat	Ermine 4	Muskrat	Ermine 5	Muskrat	Ermine 6	Muskrat	Ermine 7	
1919/20	518288		518288	·	518288		518288		
1920/21	396180	· · · ·	396180	i	396180		396180		
1921/22	511529		511529		511529	·i	511529		
1922/23	602100		602100		602100		602100		
1923/24	554716	118168	554716		554716	i	554716		
1924/25	306906	69664	306906	118168	306906		306906		
1925/26	441623	67318	441623	69664	441623	118168	441623		
1926/27	226841	38210	226841	67318	226841	69664	226841	118168	
192//28	213866	50007	213866	38210	213866	07318	213866	09664	
1020/29	254000	50507	254000	03054	236398	50210	236398	0/318	
1030/24	300624	87907	201900	84402	200604	56907	200604	JOZ10	
1931/22	441270	88957	441270	87902	JUU024	84400		56907	
1932/22	421700	108790	421700	88952	421700 ·	87902	A21700	JUOU/ 84400	
1933/24	385060	110004	385060	108790		88952	385050	87202	
1934/35	321828	71833	321829	110004	321829	108790	321829	88857	
1935/36	271885	88838	271885	71833	271895	110004	271995	108790	
936/37	324820	72529	324820	88838	324820	71832	324820	110004	
937/38	285440	116992	285440	72529	285440	88838	285440	71833	
1938/39	374896	80748	374896	116992	374896	72529	374896	88838	
1939/40	682375	56187	682375	80748	682375	116992	682375	72529	
1940/41	659928	137672	659928	56187	659928	80748	659928	116992	
1941/42	331362	113648	331362	137672	331362	56187	331362	80748	
1942/43	280838	72523	280838	113648	280838	137672	280838	56187	
1943/44	581862	103932	581862	72523	581862	113648	581862	137672	
1944/45	855724	136027	855724	103932	855724	72523	855724	113648	
945/46	958099	150193;	958099	136027	958099	103932	958099	72523	
946/47	808692	113080	808692	150193	808692	136027	808692	103932	
947/48	822998	155567	822998	113080	822998	150193	822998	136027	
948/49	930330	124815	930330	155567	930330	113080	930330	150193	
949/50	796456	109613	796456	124815	796456	155567	796456	113080	
950/51	679899	103656	679899	109613	679899	124815	679899	155567	
951/52	599794	91600	599794	103656	599794	109613	599794	124815	
952/53	721114	99705	721114	91600	721114	103656	721114	109613	
953/54	790472	152800	790472	99705	790472	91600	790472	103656	
954/55	1288120	69556	1288120	152800	1288120	99705	1288120	91600	
955/56	1462472	79049	1462472	69556	1462472	152800	1462472	99705	
956/57	1003186	105230	1003186	79049	1003186	69556	1003186	152800	
957/58	680891	62578	680891	105230	680891	79040	620201	FOFE	

1958/59	360287	70090	360287	62578	360287	105230	360287	79049
1959/60	214542	95641	214542	70090	214542	62578	214542	105230
1960/61	338037	66950	338037	95641	338037	70090	338037	62578
1961/62	166323	61002	166323	66950	166323	95641	166323	70090
1962/63	140618	43236	140618	61002	140618	66950	140618	95641
1963/64	249067	45205	249067	43236	249067	61002	249067	66950
1964/65	348098	31725	348098	45205	348098	43236	348098	61002
1965/66	589290	29600	589290	31725	589290	45205	589290	43236
1966/67	387875	27970	387875	29600	387875	31725	387875	45205
1967/68	442268	24527	442268	27970	442268	29600	442268	31725
1968/69	294116	41794	294116	24527	294116	27970	294116	29600
1969/70	250212	32034	250212	41794	250212	24527	250212	27970
1970/71	388714	13354	388714	32034	388714	41794	388714	24527
1971/72	472579	26394	472579	13354	472579	32034	472579	41794
1972/73	247175	23325	247175	26394	247175	13354	247175	32034
1973/74	122182	10613	122182	23325	122182	26394	122182	13354
1974/75	285557	5043	285557	10613	285557	23325	285557	26394
1975/76	411393	3765	411393	5043	411393	10613	411393	23325
1976/77	399333	10133	399333	3765	399333	5043	399333	10613
1977/78	203664	5869	203664	10133	203664	3765	203664	5043
1978/79	161551	18205	161551	5869	161551	10133	161551	3765
1979/80	328704	12930	328704	18205	328704	5869	328704	10133
1980/81	396366	16938	396366	12930	396366	18205	396366	5869
1981/82	144065	10998	144065	16938	144065	12930	144065	18205
1982/83	168047	14859	168047	10998	168047	16938	168047	12930
1983/84	235980	21314	235980	14859	235980	10998	235980	16938
1984/85	181123	15520	181123	21314	181123	14859	181123	10998
1985/86	108395	9878	108395	15520	108395	21314	108395	14859
1980/87	215681	5991	215681	9878	215681	15520	215681	21314
198//88	236156	5221	236156	5991	236156	9878	236155	15520
1966/69	40457	10049	40457	5221	40457	5991	40457	98/8
1909/90	13103	9011	13103	10649	13103	5221	13103	5991
1990/91	10255	9000	10255	9011	10255	10649	10255	5221
1002/02	10000	6420	10000	40064	15008	9011	10000	10049
1002/04	LLIJL EEDEE	2462	LLISL ECOEC	6420	LLISL ;	40064	ECOEC	9011
1333/34	30230	2402 :	00200	2462	30230	6420	50230	10064
		1022		1402	ا •	2462		6420
		2020	<u> </u>	1022		1402	<u> </u>	2462
		2020		2020		1022		1402
		2044		2020		2020	<u> </u>	1022
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Year	ź	L L	Ž	Ē	ž	<u> </u>		
1919/20	518288	_	518288		518288		 	
1920/21	396180		396180		396180		 ; 	
1921/22	511529		511529		511529		 	
1922/23	602100	<u> </u>	602100		602100		 	
1923/24	554716		554716		554716		 <u></u>	
1924/25	306906	: <u>!</u>	306906	· · ·	306906	·	 : 	
1925/26	441623	!	441623		441623		 	
1926/27	226841		226841		226841	1	 	
1927/28	213866	118168	213866		213866	· · · · · · · · · · · · · · · · · · ·	 	
1928/29	236398	69664	236398	118168	236398			
1929/30	251986	67318	251986	69664	251986	118168	 	
1930/31	300624	38210	300624	67318	300624	69664		
1931/32	441378	63054	441378	38210	441378	67318	 	
1932/33	421799	56807	421799	63054	421799	38210	 	
1933/34	385060	84492	385060	56807	385060	63054	 	
1934/35	321828	87892	321828	84492	321828	56807		
1935/36	271885	88852	271885	87892	271885	84492	 •	
1936/37	324820	108789	324820	88852	324820	87892		
1937/38	285440	110094	285440	108789	285440	88852		
1938/39	374896	71833	374896	110094	374896	108789		
1939/40	682375	88838	682375	71833	682375	110094		
1940/41	659928	72529	659928	88838	659928	71833		
1941/42	331362	116992	331362	72529	331362	88838		
1942/43	280838	80748	280838	116992	280838	72529		
1943/44	581862	56187	581862	80748	581862	116992		
1944/45	855724	137672	855724	56187	855724	80748		
1945/46	958099	113648	958099	137672	958099	56187		
1946/47	808692	72523	808692	113648	808692	137672		
1947/48	822998	103932	822998	72523	822998	113648		
1948/49	930330	136027	930330	103932	930330	72523		
1949/50	796456	150193	796456	136027	796456	103932		
1950/51	679899	113080	679899	150193	679899	136027	 	
1951/52	599794	155567	599794	113080	599794	150193	 	
1952/53	721114	124815	721114	155567	721114	113080		
1953/54	790472	109613	790472	124815	790472	155567		
1954/55	1288120	103656	1288120	109613	1288120	124815		
1955/56	1462472	91600	1462472	103656	1462472	109613		
1956/57	1003186	99705	1003186	91600	1003186	103656		
1957/58	680891 ;	152800	680891	99705	680891	91600	 	

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1958/59	360287	69556	360287	152800	360287	99705	
1959/60	214542	79049	: 214542	69556	214542	152800	
1960/61	338037	105230	338037	79049	338037	69556	
1961/62	166323	62578	166323	105230	166323	79049	
1962/63	140618	70090	140618	62578	140618	105230	
1963/64	249067	95641	249067	70090	249067	62578	
1964/65	348098	66950	348098	95641	348098	70090	
1965/66	589290	61002	589290	66950	589290	95641	
1966/67	387875	43236	387875	61002	387875	66950	
1967/68	442268	45205	442268	43236	442268	61002	
1968/69	294116	31725	294116	45205	294116	43236	
1969/70	250212	29600	250212	31725	250212	45205	
1970/71	388714	27970	388714	29600	388714	31725	
1971/72	472579	24527	472579	27970	472579	29600	
1972/73	247175	41794	247175	24527	247175	27970	
1973/74	122182	32034	122182	41794	122182	24527	
1974/75	285557	13354	285557	32034	285557	41794	
1975/76	411393	26394	411393	13354	411393	32034	
1976/77	399333	23325	399333	26394	399333	13354	
1977/78	203664	10613	203664	23325	203664	26394	
1978/79	161551	5043	161551	10613	161551	23325	
1979/80	328704	3765	328704	5043	328704	10613	
1980/81	396366	10133	396366	3765	396366	5043	
1981/82	144065	5869	144065	10133	144065	3765	
1982/83	168047	18205	168047	5869	168047	10133	
1983/84	235980	12930	235980	18205	235980	5869	
1984/85	181123	16938	181123	12930	181123	18205	
1985/86	108395	10998	108395	16938	108395	12930	
1986/87	215681	14859	215681	10998	215681	16938	
1987/88	236156	21314	236156	14859	236156	10998	
1988/89	40457	15520	40457	21314	40457	14859	
1989/90	13103	9878	13103	15520	13103	21314	
1990/91	10255	5991	10255	9878	10255	15520	
1991/92	15068	5221	15068	5991	15068	9878	
1992/93	22732	10649	22732	5221	22732	5991	
1993/94	56256	9011	56256	10649	56256	5221	
		9550		9011		10649	
		10961		9550		9011	
		6439		10961		9550	
		2462		6439		10961	
		1402		2462		6439	
		1932		1402		2462	
		2020	i	1932		1402	
		2844		2020		1932	
				2844		2020	
	0.63002	23546	1	•		2844	
			0.59268	32329			
					0.60383	8078	

		3ame Year		Year Out		Years Out		) Years Out
Year	Muskrat	Emine 9	Muskrat	Ermine 1	Muskrat	Ermine 2	Muskrat	Ermine 3
1919/20	518288	118168	518288		518288		518288	
1920/21	396180	69664	396180	118168	396180		396180	
1921/22	511529	67318	511529	69664	511529	118168	511529	
1922/23	602100	38210	602100	67318	602100	69664	602100	118168
1923/24	554716	63054	554716	38210	554716	67318	554716	69664
1924/25	306906	56807	306906	63054	306906	38210	306906	67318
1925/26	441623	84492	441623	56807	441623	63054	441623	38210
1926/27	226841	87892	226841	84492	226841	56807	226841	63054
1927/28	213866	88852	213866	87892	213866	84492	213866	56807
1928/29	236398	108789	236398	88852	236398	87892	236398	84492
929/30	251986	110094	251986	108789	251986	88852	251986	87892
930/31	300624	71833	300624	110094	300624	108789	300624	88852
931/32	441378	88838	441378	71833	441378	110094	441378	108789
932/33	421799	72529	421799	88838 :	421799	71833	421799	110094
933/34	385060	116992	385060	72529	385060	88838	385060	71833
934/35	321828	80748	321828	116992	321828	72529	321828	88838
935/36	271885	56187	271885	80748	271885	116992	271885	72529
936/37	324820	137672	324820	56187	324820	80748	324820	116992
937/38	285440	113648	285440	137672	285440	56187	285440	80748
938/39	3/4896	72523	374896	113648	374896	137672	374896	56187
939/40	6823/5	103932	682375	72523	682375	113648	682375	137672
940/41	659928	136027	659928	103932	659928	72523	659928	113648
941/42	331362	150193	331362	136027	331362	103932	331362	72523
942/43	280838	113080	280838	150193	280838	136027	280838	103932
943/44	2051002	100007	581862	113080	581862	150193	581862	13602/
944/43	050000	124815	855724	155567	855724	113080	855724	150193
943/40	808600	109013	900000	124815	958099	155567	958099	113080
940/4/	800092	103050	808692	109613	808692	124815	808692	15556/
049/40	022390	00705	020330	01600	020330	103013	022330	124015
040/60	706456	162200	330330 706456	31000	330330	01600	330330	103013
950/51	670900	60555	670900	152900	670900	31000	670900	01600
951/62	500704	70040	600704	BOLLE !	500704	152000	E00704	81000
052/52	721114	105220	721114	70040	721444	60556	724444	33103
063/EA	700472	62579	700472	105220	700472	70040	700472	1020UU
QEAIEE	1288120	70000	128912	62579	1704/2	106220	1722470	70040
055/6E	1462472	95641	1462472	70000	1462472	62579	1462472	105220
056/67	1002196	03041	1002472	06644	1002476	70000	1402472	82570
	1000100	00300	1003100	30041	1003100	10030	1003100	02010

1958/59	360287	43236	360287	61002	360287	66950	360287	95641
1959/60	214542	45205	214542	43236	214542	61002	214542	66950
1960/61	338037	31725	338037	45205	338037	43236	338037	61002
1961/62	166323	29600	166323	31725	166323	45205	166323	43236
1962/63	140618	27970	140618	29600	140618	31725	140618	45205
1963/64	249067	: 24527	249067	27970 :	249067	29600	249067	31725
1964/65	348098	41794	348098	24527	348098	27970	348098	29600
1965/66	589290	32034	589290	41794	589290	24527	589290	27970
1966/67	387875	13354	387875	32034	387875	41794	387875	24527
1967/68	442268	26394	442268	13354	442268	32034	442268	41794
1968/69	294116	23325	294116	26394	294116	13354	294116	32034
1969/70	250212	10613	250212	23325	250212	26394	250212	13354
				10613		23325		26394
	0.2728	30885				10613		23325
			0.2316	95579				10613
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							0.4608	24923
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Year	Ň	L L L	Ŵ		N N	Ŭ	Ň	Б.
1919/20	518288		518288		518288		518288	
1920/21	396180	ł :	396180		396180		396180	
1921/22	511529	:	511529		511529		511529	
1922/23	602100		602100		602100	!	602100	
1923/24	554716	118168	554716		554716		554716	
1924/25	306906	69664	306906	118168	306906		306906	
1925/26	441623	67318	441623	69664	441623	118168	441623	,
1926/27	226841	38210	226841	67318	226841	69664	226841	118168
1927/28	213866	63054	213866	38210	213866	67318	213866	69664
1928/29	236398	56807	236398	63054	236398	38210	236398	67318
1929/30	251986	84492	251986	56807	251986	63054	251986	38210
1930/31	300624	87892	300624	84492	300624	56807	300624	63054
1931/32	441378	88852	441378	87892	441378	84492	441378	56807
1932/33	421799	108789	421799	88852	421799	87892	421799	84492
1933/34	385060	110094	385060	108789	385060	88852	385060	87892
1934/35	321828	71833	321828	110094	321828	108789	321828	88852
1935/36	271885	88838	271885	71833	271885	110094	271885	108789
1936/37	324820	72529	324820	88838	324820	71833	324820	110094
1937/38	285440	116992	285440	72529	285440	88838	285440	71833
1938/39	374896	80748	374896	116992	374896	72529	374896	88838
1939/40	682375	56187	682375	80748	682375	116992	682375	72529
1940/41	659928	137672	659928	56187	659928	80748	659928	116992
1941/42	331362	113648	331362	137672	331362	56187	331362	80748
1942/43	280838	72523	280838	113648	280838	137672	280838	56187
1943/44	581862	103932	581862	72523	581862	113648	581862	137672
1944/45	855724	136027	855724	103932	855724	72523	855724	113648
1945/46	958099	150193	958099	136027	958099	103932	958099	72523
1946/47	808692	113080	808692	150193	808692	136027	808692	103932
1947/48	822998	155567	822998	113080	822998	150193	822998	136027
1948/49	930330	124815	930330	155567	930330	113080	930330	150193
1949/50	796456	109613	796456	124815	796456	155567	796456	113080
1950/51	679899	103656	679899	109613	679899	124815	679899	155567
1951/52	599794	91600	599794	103656	599794	109613	599794	124815
1952/53	721114	99705	721114	91600	721114	103656	721114	109613
1953/54	790472	152800	790472	99705	790472	91600	790472	103656
1954/55	1288120	69556	1288120	152800	1288120	99705	1288120	91600
1955/56	1462472	79049	1462472	69556	1462472	152800	1462472	99705
1956/57	1003186	105230	1003186	79049	1003186	69556	1003186	152800
			1000100	405000				

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1958/59	360287	70090	360287	62578	360287	105230	360287	79049
1959/60	214542	95641	: 214542	70090	214542	62578	214542	105230
1960/61	338037	66950	338037	95641	338037	70090	338037	62578
1961/62	166323	61002	166323	66950	166323	95641	166323	70090
1962/63	140618	43236	140618	61002	140618	66950	140618	95641
1963/64	249067	45205	249067	43236	249067	61002	249067	66950
1964/65	348098	31725	348098	45205	348098	43236	348098	61002
1965/66	589290	29600	589290	31725	589290	45205	589290	43236
1966/67	387875	27970	387875	29600	387875	31725	387875	45205
1967/68	442268	24527	442268	27970	442268	29600	442268	31725
1968/69	294116	41794	294116	24527	294116	27970	294116	29600
1969/70	250212	32034	250212	41794	250212	24527	250212	27970
		13354		32034		41794		24527
		26394		13354		32034		41794
		23325		26394		13354	1	32034
		10613	!	23325		26394		13354
				10613		23325		26394
	0.4528	89931				10613		23325
			0.4606	17944				10613
					0.5150	88315		:
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		3 Years Out		) Years Out		10 Years Out		
Year	Muskrat	Ermine (	Muskrat	Ermine £	Muskrat	Ermine		
1919/20	518288		518288		518288			•
1920/21	396180		396180		396180			1
1921/22	511529		511529		511529			1
1922/23	602100		602100		602100			+
1923/24	554716		554716		554716			
1924/25	306906		306906		306906	1		:
1925/26	441623	1	441623		441623			!
1926/27	226841	·	226841		226841			
1927/28	213866	118168	213866		213866			
1928/29	236398	69664	236398	118168	236398			
1929/30	251986	67318	251986	69664	251986	118168		
1930/31	300624 :	38210	300624	67318	300624	69664		
1931/32	441378	63054 ;	441378	38210	441378	67318		<u>.</u>
1932/33	421799	56807	421799	63054	421799	38210		
1933/34	385060	84492	385060	56807	385060	63054		
1934/35	321828	87892	321828	84492	321828	56807		<u>.                                    </u>
1935/36	271885	88852	271885	87892	271885	84492		
1936/37	324820	108789	324820	88852	324820	87892		·
1937/38	285440	110094	285440	108789	285440	88852		
1938/39	374896	71833	374896	110094	374896	108789		
1939/40	682375	88838	682375	71833	682375	110094		
1940/41	659928	72529	659928	88838	659928	71833		<u>.</u>
1941/42	331362	116992	331362	72529	331362	88838		: 
1942/43	280838	80748	280838	116992	280838	72529	···	
1943/44	581862	56187	581862	80748	581862 :	116992		·
1944/45	855724	137672	855724	56187	855724	80748		
1945/46	958099	113648	958099	137672	958099	56187		• •
1946/47	808692	72523	808692	113648	808692	137672		
1947/48	822998	103932	822998	72523	822998	113648		
1948/49	930330	136027	930330 :	103932	930330	72523		·
1949/50	796456	150193	796456	136027	796456	103932	~ <u></u>	L
1950/51	679899	113080	679899	150193	679899	136027		
1951/52	599794	155567	599794	113080	599794	150193	•	ļ
1952/53	721114	124815	721114	155567	721114	113080		!
1953/54	790472	109613	790472	124815	790472	155567		 
1954/55	1288120	103656	1288120	109613	1288120	124815		Ļ
1955/56	1462472	91600	1462472	103656	1462472	109613		• •
1956/57	1003186	99705	1003186	91600	1003186	103656		
1957/58 i	680891	152800	680891	99705	680891	91600		

1958/59	360287	69556	360287	152800	360287	99705	
1959/60	214542	79049	214542	69556	214542	152800	 
1960/61	338037	105230	338037	79049	338037	69556	 :
1961/62	166323	62578	166323	105230	166323	79049	 · · · · · · · · ·
1962/63	140618	70090	140618	62578	140618	105230	 
1963/64	249067	95641	249067	70090	249067	62578	
1964/65	348098	66950	348098	95641	348098	70090	t
1965/66	589290	61002	589290	66950	589290	95641	
1966/67	387875	43236	387875	61002	387875	66950	1
1967/68	442268	45205	442268	43236	442268	61002	
1968/69	294116	31725	294116	45205	294116	43236	
1969/70	250212	29600	250212	31725	250212	45205	
		27970		29600		31725	
		24527		27970		29600	
		41794		24527		27970	
		32034		41794		24527	
		13354		32034		41794	
		26394		13354		32034	
		23325		26394		13354	
		10613		23325		26394	
				10613		23325	
	0.4270	38517				10613	
			0.3409	09964			
					0.3369	52165	

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Year   Year   Year   Year   Year   Year   Year   Year   Year   Year   Year   Year   Year   Year   Year   Year   Year   Year   Year   Year   Year   Year   Year   Year   Year   Year   Year   Year   Year   Year   Year   Year   Year   Year   Year   Year   Year   Year   Year   Year   Year   Year   Year   Year   Year   Year   Year   Year   Year   Year   Year   Year   Year   Year   Year   Year   Year   Year   Year   Year   Year   Year   Year   Year   Year   Year   Year   Year   Year   Year   Year   Year   Year   Year   Year   Year   Year   Year   Year   Year   Year   Year   Year   Year   Year   Year   Year   Year   Year   Year   Year   Year <th< th=""><th></th><th>-</th><th>Same Year</th><th>*</th><th>1 Year Out</th><th>-</th><th>2 Years Out</th><th>*</th><th>3 Years Out</th></th<>		-	Same Year	*	1 Year Out	-	2 Years Out	*	3 Years Out
Year $\underline{\underline{s}}$ $\underline{\underline{u}}$ $\underline{\underline{s}}$ $\underline{\underline{u}}$ $\underline{\underline{s}}$ $\underline{\underline{u}}$ $\underline{\underline{s}}$ $\underline{\underline{u}}$ 1970/7138871450433887143887143887143887141971/72472579376547257950434725794725791972/7324717510133247175376524717550432471751973/741221825869122182101331221823765122182561974/7528555718205285557586928555710133285557371975/7641139312930411393182054113935869411393101976/77399333169383993331293039933318205399333561977/782036641099820366416938203664169381615511511978/79161551148591615511099832870410998328704109981978/791615511485916155110998328704109983287041660471980/81396366155203963662131439636614859396366101981/82144065987814406515520144065213141440651984/8518112310649181123522110839552211083951986/87215681955021568190112156815221987/882361561096123		iskra	mine	iskra	mine	iskra	arin	<b>isk</b> ra	nine -
1970/71 388714 388714 388714 388714   1971/72 472579 3765 472579 5043 472579 472579   1972/73 247175 10133 247175 3765 247175 5043 247175   1973/74 122182 5689 122182 10133 122182 3765 122182 557   1974/75 285557 18205 285557 5869 285557 10133 285557 37   1975/76 411393 12930 411393 18205 411393 5869 411393 10   1976/77 399333 16938 399333 12930 399333 18205 399333 18205 399333 18205 399333 18205 399333 18205 399333 18205 399333 18205 399333 18205 399333 18205 399333 18205 399333 18205 399333 18205 399333 18205 399333 18205 399333 18205 398704 168151 12983 181123 1614551 12983 161551 <th>Year</th> <th>ž</th> <th>ш Ш</th> <th>ź</th> <th>Ш.</th> <th>ž</th> <th>Ē</th> <th>Ĩ</th> <th><u> </u></th>	Year	ž	ш Ш	ź	Ш.	ž	Ē	Ĩ	<u> </u>
1971/72 472579 3765 472579 5043 472579 472579   1972/73 247175 10133 247175 3765 247175 5043 247175   1973/74 122182 5869 122182 10133 122182 3765 122182 50   1974/75 285557 18205 285557 5869 285557 10133 285557 399333 1033 285557 10133 285557 10133 285557 399333 1033 10 1975/76 411393 12930 411393 10 1975/76 411393 12930 411393 10 1975/76 411393 12930 399333 12930 399333 18205 399333 5869 411393 10 1976/77 399333 16938 203664 16938 203664 18938 203666 12930 203664 18 1930 203666 1651 16938 161551 16938 161551 124065 14 16 18520 144065 14 16 1520 164047 1314 144065 14	1970/71	388714	5043	388714		388714		388714	
1972/73 247175 10133 247175 3765 247175 5043 247175   1973/74 122182 5869 122182 10133 122182 3765 122182 50   1974/75 285557 18205 285557 5869 285557 10133 285657 37   1975/76 411393 10205 411393 5869 411393 5869 411393 5869 411393 5869 411393 5869 411393 5869 411393 5869 411393 5869 411393 100 975/76 411393 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 <td>1971/72</td> <td>472579</td> <td>3765</td> <td>472579</td> <td>5043</td> <td>472579</td> <td></td> <td>472579</td> <td></td>	1971/72	472579	3765	472579	5043	472579		472579	
1973/74 122182 5869 122182 10133 122182 3765 122182 55   1974/75 285557 18205 285557 5869 285557 10133 285557 3103   1975/76 411393 12930 411393 18205 411393 5869 411393 1033   1976/77 203664 10998 203664 16938 203664 12930 203664 18   1977/76 203664 10998 203664 16938 161551 12171 203664 18   1977/76 203664 10998 203664 16938 161551 12171 203666 16551 12181 238704 166 1651 12182 39333 566 10   1970/70 161551 14859 161551 16938 161551 122182 386366 10   1980/81 396366 15520 396366 21314 396366 14 1985   1981/82 168047 591 168047 9878 168047 1520 168047 1123	1972/73	247175	10133	247175	3765	247175	5043	247175	
1974/75 285557 18205 285557 5869 285557 10133 285557 37   1975/76 411393 12930 411393 18205 411393 5869 411393 10   1976/77 399333 16938 399333 12930 399333 18205 399333 18205 399333 1205 399333 1205 399333 1205 399333 1205 399333 1205 399333 1205 399333 1205 399333 1205 399333 1205 399333 1205 399333 1205 399333 1205 399333 1205 399333 1205 399333 1205 399333 1205 399333 1205 399333 1205 399333 1205 399333 1205 161551 121 161551 121 161551 121 1414065 14151 122 141605 141605 1414065 144065 144065 144065 144065 1414065 1414065 1444065 144065 141123 144065 141123 144065 14114 144065 <	1973/74	122182	5869	122182	10133	122182	3765	122182	5043
19/5/76 411393 12930 411393 18205 411393 5869 411393 16333 5869 411393 5869 411393 5869 411393 5869 411393 5869 411393 5869 411393 5869 411393 5869 411393 5869 411393 5869 411393 5869 411393 5869 411393 5869 411393 5869 411393 5869 411393 5869 411393 5869 411393 5869 411393 5869 411393 5869 411393 5869 161551 16938 161551 123 599333 5861 161551 16938 161551 123 197980 328704 166 165 144065 144065 144065 144065 144065 144065 144065 144065 144065 144065 144065 144065 144065 1444065 144065 1444065 1444065 1444065 1444065 1444065 1444065 1444065 1444065 1444065 1444065 1444065 1444065 1444065 144465 1444065	1974/75	285557	18205	285557	5869	285557	10133	285557	3765
1976/77 399333 16938 399333 12930 399333 18205 399333 58   1977/78 203664 10998 203664 16938 203664 12930 203664 18   1978/79 161551 14859 161551 10998 161551 16938 161551 12   1978/80 328704 21314 328704 14859 328704 10998 328704 16   1980/81 396366 1520 396366 21314 396366 16 10   1981/82 144065 9878 144065 15520 144065 21314 144065 14   1982/83 168047 5991 168047 9878 168047 21 11   1983/84 235980 5221 235980 5991 235980 9878 235980 155   1984/85 181123 10649 181123 5221 108395 5221 108395 5221 108395 5221 108395 5221 108395 5221 108395 5221 108395 5	1975/76	411393	12930	411393	18205	411393	5869	411393	10133
1977/78 203664 10998 203664 16938 203664 12930 203664 18   1978/79 161551 14859 161551 10998 161551 16938 161551 12   1979/80 328704 21314 328704 14859 328704 10998 328704 16   1980/81 396366 15520 396366 21314 396366 14859 396366 10   1981/82 144065 9878 144065 15520 144065 21314 144065 14   1982/83 168047 5991 168047 9878 168047 21 1983/84 235980 5221 235980 9878 235980 15   1984/85 181123 10649 181123 5221 18183 5221 108395 5221 108395 5221 108395 5221 108395 5221 108395 521 108395 521 108395 521 108395 521 108395 521 108395 521 108395 521 108395 5251 10	1976/77	399333	16938	399333	12930	399333	18205	399333	5869
1978/79 161551 14859 161551 10998 161551 16938 161551 12   1979/80 328704 21314 328704 14859 328704 10998 328704 16   1980/81 396366 15520 396366 21314 396366 14859 396366 10   1981/82 144065 9878 144065 15520 144065 21314 144065 14   1982/83 168047 5991 168047 9878 168047 15520 168047 21   1983/84 235980 5221 235980 5991 235980 9878 235980 15   1984/85 181123 10649 181123 5221 181123 5991 181123 92   1985/86 108395 9011 108395 10649 108395 5221 108395 55   1987/88 236156 10961 236156 9550 236156 9011 236156 10   1987/88 236156 10961 236156 9550 236156 <t< td=""><td>1977/78</td><td>203664</td><td>10998</td><td>203664</td><td>16938</td><td>203664</td><td>12930</td><td>203664</td><td>18205</td></t<>	1977/78	203664	10998	203664	16938	203664	12930	203664	18205
1979/80 328704 21314 328704 14859 328704 10998 328704 16   1980/81 396366 15520 396366 21314 396366 14859 396366 10   1981/82 144065 9878 144065 15520 144065 21314 144065 14   1982/83 168047 5991 168047 9878 168047 15520 168047 21   1983/84 235980 5221 235980 5991 235980 9878 235980 15   1984/85 181123 10649 181123 5221 181123 5991 181123 98   1985/86 108395 9011 108395 10649 108395 5221 108395 59   1986/87 215681 9550 215681 9011 215681 52   1987/88 236156 10961 236156 9550 236156 9011 236156 100   1988/90 13103 2462 13103 6439 13103 10961 13103 95 </td <td>1978/79</td> <td>161551</td> <td>14859</td> <td>161551</td> <td>10998</td> <td>161551</td> <td>16938</td> <td>161551</td> <td>12930</td>	1978/79	161551	14859	161551	10998	161551	16938	161551	12930
1980/81 396366 15520 396366 21314 396366 14859 396366 10   1981/82 144065 9878 144065 15520 144065 21314 144065 14   1982/83 168047 5991 168047 9878 168047 15520 168047 21   1983/84 235980 5221 235980 5991 235980 9878 235980 15   1984/85 181123 10649 181123 5221 181123 5991 181123 991   1985/86 108395 9011 108395 10649 108395 5221 108395 55   1986/87 215681 9550 216681 9011 215681 52   1987/88 236156 10961 236156 9550 236156 9011 236156 104   1988/89 40457 6439 40457 10961 40457 9550 40457 90   1989/90 13103 2462 13103 6439 13103 10961 13103 95	1979/80	328704	21314	328704	14859	328704	10998	328704	16938
1981/82 144065 9878 144065 15520 144065 21314 144065 14   1982/83 168047 5991 168047 9878 168047 15520 168047 21   1983/84 235980 5221 235980 5991 235980 9878 235980 15   1984/85 181123 10649 181123 5221 181123 5991 181123 98   1985/86 108395 9011 108395 10649 108395 5221 108395 55   1986/87 215681 9550 215681 9011 215681 52 108395 52   1987/88 236156 10961 236156 9550 236156 9011 236156 10   1988/89 40457 6439 40457 10961 40457 9550 40457 90   1989/90 13103 2462 13103 6439 13103 10961 13103 95   1990/91 10255 1402 10255 2462 15068 2462 <td< td=""><td>1980/81</td><td>396366</td><td>15520</td><td>396366</td><td>21314</td><td>396366</td><td>14859</td><td>396366</td><td>10998</td></td<>	1980/81	396366	15520	396366	21314	396366	14859	396366	10998
1982/83 168047 5991 168047 9878 168047 15520 168047 21   1983/84 235980 5221 235980 5991 235980 9878 235980 15   1984/85 181123 10649 181123 5221 181123 5991 181123 98   1985/86 108395 9011 108395 10649 108395 5221 108395 55   1986/87 215681 9550 215681 9011 215681 10649 215681 52   1987/88 236156 10961 236156 9550 236156 9011 236156 10   1988/89 40457 6439 40457 10961 40457 9550 40457 90   1989/90 13103 2462 13103 6439 13103 10961 13103 95   1990/91 10255 1402 10255 2462 10255 6439 10255 10   1991/92 15068 1402 15068 2462 15068 64	1981/82	144065	9878	144065	15520	144065	21314	144065	14859
1983/84 235980 5221 235980 5991 235980 9878 235980 15   1984/85 181123 10649 181123 5221 181123 5991 181123 98   1985/86 108395 9011 108395 10649 108395 5221 108395 55   1986/87 215681 9550 215681 9011 215681 10649 215681 52   1987/88 236156 10961 236156 9550 236156 9011 236156 10   1988/89 40457 6439 40457 10961 40457 9550 40457 90   1989/90 13103 2462 13103 6439 13103 10961 13103 95   1990/91 10255 1402 10255 2462 10255 6439 10255 10   1991/92 15068 1932 15068 1402 15068 2462 15068 64   1992/93 22732 2020 22732 1402 22732 24	1982/83	168047	5991	168047	9878	168047	15520	168047	21314
1984/85 181123 10649 181123 5221 181123 5991 181123 98   1985/86 108395 9011 108395 10649 108395 5221 108395 55   1986/87 215681 9550 215681 9011 215681 10649 215681 52   1987/88 236156 10961 236156 9550 236156 9011 236156 10   1988/89 40457 6439 40457 10961 40457 9550 40457 90   1988/89 40457 6439 40457 10961 40457 9550 40457 90   1989/90 13103 2462 13103 6439 13103 10961 13103 95   1990/91 10255 1402 10255 2462 10255 6439 10255 10   1991/92 15068 1932 15068 1402 15068 2462 15068 64   1992/93 22732 2020 22732 1932 22732 1402 22732	1983/84	235980	5221	235980	5991	235980	9878	235980	15520
1985/86 108395 9011 108395 10649 108395 5221 108395 55   1986/87 215681 9550 215681 9011 215681 10649 215681 52   1987/88 236156 10961 236156 9550 236156 9011 236156 100   1988/89 40457 6439 40457 10961 40457 9550 40457 90   1988/89 40457 6439 40457 10961 40457 9550 40457 90   1989/90 13103 2462 13103 6439 13103 10961 13103 95   1990/91 10255 1402 10255 2462 10255 6439 10255 100   1991/92 15068 1932 15068 1402 15068 2462 15068 64   1992/93 22732 2020 22732 1402 22732 24   1993/94 56256 2844 56256 2020 56256 1932 56256 14	1984/85	181123	10649	181123	5221	181123	5991	181123	9878
1986/87 215681 9550 215681 9011 215681 10649 215681 52   1987/88 236156 10961 236156 9550 236156 9011 236156 10   1988/89 40457 6439 40457 10961 40457 9550 40457 90   1989/90 13103 2462 13103 6439 13103 10961 13103 95   1989/90 13103 2462 13103 6439 13103 10961 13103 95   1990/91 10255 1402 10255 2462 10255 6439 10255 10   1991/92 15068 1932 15068 1402 15068 2462 15068 64   1992/93 22732 2020 22732 1932 22732 1402 22732 24   1993/94 56256 2844 56256 2020 56256 1932 56256 14   0.568859256 0.507482649 0.402850896 0.22659756 0.22659756 14	1985/86	108395	9011	108395	10649	108395	5221	108395	5991
1987/88 236156 10961 236156 9550 236156 9011 236156 10   1988/89 40457 6439 40457 10961 40457 9550 40457 90   1989/90 13103 2462 13103 6439 13103 10961 13103 95   1990/91 10255 1402 10255 2462 10255 6439 10255 10   1991/92 15068 1932 15068 1402 15068 2462 15068 64   1992/93 22732 2020 22732 1932 22732 1402 22732 24   1993/94 56256 2844 56256 2020 56256 1932 56256 14   2844 2020 19 0.568859256 2844 2020 19 28   0.568859256 0.507482649 0.402850896 0.22659756 0.22659756 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 <	1986/87	215681	9550	215681	9011	215681	10649	215681	5221
1988/89 40457 6439 40457 10961 40457 9550 40457 90   1989/90 13103 2462 13103 6439 13103 10961 13103 95   1990/91 10255 1402 10255 2462 10255 6439 10255 10   1991/92 15068 1932 15068 1402 15068 2462 15068 64   1992/93 22732 2020 22732 1932 22732 1402 22732 24   1993/94 56256 2844 56256 2020 56256 1932 56256 14   2844 2020 19 0.568859256 2844 2020 19   0.568859256 0.507482649 0.402850896 0.22659756 0.22659756 0.22659756	1987/88	235156	10961	236156	9550	236156	9011	236156	10649
1989/90 13103 2462 13103 6439 13103 10961 13103 95   1990/91 10255 1402 10255 2462 10255 6439 10255 10   1991/92 15068 1932 15068 1402 15068 2462 15068 64   1992/93 22732 2020 22732 1932 22732 1402 22732 24   1993/94 56256 2844 56256 2020 56256 1932 56256 14   2844 2020 19   0.568859256 2844 2020 19 28   0.507482649 0.402850896 0.22659756 0.22659756 0.22659756	1988/89	40457	6439	40457	10961	40457	9550	40457	9011
1990/91 10255 1402 10255 2462 10255 6439 10255 10   1991/92 15068 1932 15068 1402 15068 2462 15068 64   1992/93 22732 2020 22732 1932 22732 1402 22732 24   1993/94 56256 2844 56256 2020 56256 1932 56256 14   2844 2020 19   0.568859256 2844 2020 19   0.568859256 2844 20 19   0.402850896 0.22659756 28 0.22659756	1989/90	13103	2462	13103	6439	13103	10961	13103	9550
1991/92 15068 1932 15068 1402 15068 2462 15068 64   1992/93 22732 2020 22732 1932 22732 1402 22732 24   1993/94 56256 2844 56256 2020 56256 1932 56256 14   2844 2020 19 0.568859256 2844 200 19   0.568859256 2844 2020 19 28 28 28 28   0.402850896 0.402850896 0.22659756 0.22659756 0.22659756 0.22659756 0.22659756 0.22659756 0.22659756 0.22659756 0.22659756 0.22659756 0.22659756 0.22659756 0.22659756 0.22659756 0.22659756 0.22659756 0.22659756 0.22659756 0.22659756 0.22659756 0.22659756 0.22659756 0.22659756 0.22659756 0.22659756 0.22659756 0.22659756 0.22659756 0.22659756 0.22659756 0.22659756 0.22659756 0.22659756 0.22659756 0.22659756 0.22659756 0.22659756 0.22659756 0.22659756 <t< td=""><td>1990/91</td><td>10255</td><td>1402</td><td>10255</td><td>2462</td><td>10255</td><td>6439</td><td>10255</td><td>10961</td></t<>	1990/91	10255	1402	10255	2462	10255	6439	10255	10961
1992/93 22732 2020 22732 1932 22732 1402 22732 24   1993/94 56256 2844 56256 2020 56256 1932 56256 14   0.568859256 2844 2020 19 28 2844 20   0.507482649 28 0.402850896 28 28 28 28   0.402850896 0.22659756 0.22659756 0.22659756 0.22659756 0.22659756	1991/92	15068	1932	: 15068	1402	15068	2462	15068	6439
1993/94 56256 2844 56256 1932 56256 14   2844 2020 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10	1992/93	22732	2020	22732	1932	22732	1402	22732	2462
2844 2020 19   0.568859256 2844 20   0.507482649 28   0.402850896 0.22659756   0.22659756 0.22659756	1993/94	56256	2844	56256	2020	56256	1932	56256	1402
0.568859256   2844   20     0.507482649   28     0.402850896   0.22659756					2844	<u></u>	2020		1932
0.507482649 28 0.402850896 0.22659756		0.5688	59256				2844		2020
				0.50748	32649	1		·+	2844
					<u> </u>	0.4028	50896		
								0.2265	97562
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		4 Years Out	-	5 Years Out		3 Years Out		7 Years Out
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Year	Isny	E	Insl	Ē	Isny	Ē	Isny	Ē
1970/71	388714	<b></b>	388714	<u> </u>	388714	<u> </u>	388714	
1971/72	472579		472579		472579		472579	
1972/73	247175		247175	· · · · · · · · · · · · · · · · · · ·	247175		247175	
1973/74	122182		122182		122182		122182	
1974/75	285557	5043	285557	· · ·	285557		285557	
1975/76	411393	3765	411393	5043	411393		411393	
1976/77	399333	10133	399333	3765	399333	5043	399333	
1977/78	203664	5869	203664	10133	203664	3765	203664	5043
1978/79	161551	18205	161551	5869	161551	10133	161551	3765
1979/80	328704	12930	328704	18205	328704	5869	328704	10133
1980/81	396366	16938	396366	12930	396366	18205	396366	5869
1981/82	144065	10998	144065	16938	144065	12930	144065	18205
1982/83	168047	14859	168047	10998	168047	16938	168047	12930
1983/84	235980	21314	235980	14859	235980	10998	235980	16938
1984/85	181123	15520	181123	21314	181123	14859	181123	10998
1985/86	108395	9878	108395	15520	108395	21314	108395	14859
1986/87	215681	5991	215681	9878	215681	15520	215681	21314
1987/88	236156	5221	236156	5991	236156	9878	236156	15520
1988/89	40457	10649	40457	5221	40457	5991	40457	9878
1989/90	13103	9011	13103	10649	13103	5221	13103	5991
1990/91	10255	9550	10255	9011	10255	10649	10255	5221
1991/92	15068	10961	15068	9550	15068	9011	15068	10649
1992/93	22732	6439	22732	10961	22732	9550	22732	9011
1993/94	56256	2462	56256	6439	56256	10961	56256	9550
		1402		2462		6439		10961
		1932		1402		2462		6439
		2020	<u> </u>	1932	<u>.</u>	1402	i	2462
		2844		2020	·	1932	i	1402
	!		·	2844	<u>.</u>	2020	<u>.</u>	1932
	0.1053	31217	; ;	• !		2844		2020
		1 	-0.0035	35537	· · · ·			2844
	+			·	0.07776	9308		
					:		0.1753	4025
			<u> </u>	i	<u>i</u>		+	
							<u> </u>	

Year   S     1970/71   38871     1970/71   38871     1971/72   47257     1972/73   24717     1973/74   12218     1974/75   28555     1975/76   41139     1976/77   39933     1977/78   20366     1978/79   16155     1979/80   32870     1980/81   39636     1981/82   14406     1982/83   16804     1983/84   23598     1984/85   18112     1985/86   10839     1986/87   21568     1987/88   23615     1988/89   40457     1989/90   13103     1990/91   10255     1991/92   15068     1992/93   22732     1993/94   56256	80     9     5     2     7     3     4     1     5043     4     3     4     1     5043     4     3     4     1     5043     4     3     4     1     5043     4     3	388714 472579 247175 122182 285557 411393 399333 203664 161551 328704	Ermine 9	388714 472579 247175 122182 285557 411393 399333 203664	Emine 10		
Year   S     1970/71   38871     1971/72   47257     1972/73   24717     1973/74   12218     1974/75   28555     1975/76   41139     1976/77   39933     1977/78   20366     1978/79   16155     1978/79   16155     1978/79   16155     1978/79   16155     1978/79   16155     1978/79   16155     1978/79   16155     1978/79   16155     1978/79   16155     1980/81   39636     1981/82   14406     1982/83   16804     1982/83   16804     1983/84   23598     1984/85   18112     1985/86   10839     1986/87   21568     1987/90   13103     1989/90   13103     1990/91   10255     1993/94   56256     1993/94	4 9 5 2 7 3 3 4 1 5043 4 3765 6 10133	388714 472579 247175 122182 285557 411393 399333 203664 161551 328704		388714 472579 247175 122182 285557 411393 399333 203664			
Year   S     1970/71   38871     1971/72   47257     1971/72   24717     1972/73   24717     1973/74   12218     1974/75   28555     1975/76   41139     1976/77   39933     1977/78   20366     1978/79   16155     1979/80   32870     1980/81   39636     1981/82   14406     1982/83   16804     1983/84   23598     1986/87   21568     1985/86   10839     1986/87   21568     1987/88   23615     1988/89   40457     1989/90   13103     1990/91   10255     1991/92   15068     1992/93   22732     1993/94   56256	E 9 5 2 7 3 3 4 1 5043 4 3765 6 10133	388714 472579 247175 122182 285557 411393 399333 203664 161551 328704		388714 472579 247175 122182 285557 411393 399333 203664			
1970/71   38871     1970/71   38871     1971/72   47257     1972/73   24717     1973/74   12218     1974/75   28555     1975/76   41139     1976/77   39933     1977/78   20366     1978/79   16155     1979/80   32870     1980/81   39636     1981/82   14406     1982/83   16804     1983/84   23598     1984/85   18112     1985/86   10839     1986/87   21568     1987/88   23615     1988/89   40457     1989/90   13103     1990/91   10255     1991/92   15068     1992/93   22732     1993/94   56256	4 9 5 2 7 3 3 4 1 5043 4 3765 6 10133	≥ 388714 472579 247175 122182 285557 411393 399333 203664 161551 328704		≥ 388714 472579 247175 122182 285557 411393 399333 203664	<u> </u>		
1971/72   47257     1971/72   47257     1972/73   24717     1973/74   12218     1974/75   28555     1975/76   41139     1976/77   39933     1976/77   39933     1976/77   39933     1977/78   20366     1978/79   16155     1979/80   32870     1980/81   39636     1981/82   14406     1982/83   16804     1982/83   16804     1983/84   23598     1984/85   18112     1985/86   10839     1985/86   10839     1986/87   21568     1987/88   23615     1988/89   40457     1989/90   13103     1990/91   10255     1991/92   15068     1992/93   22732     1993/94   56256	9 5 2 7 3 3 4 1 5043 4 3765 6 10133	472579 247175 122182 285557 411393 399333 203664 161551 328704		472579 247175 122182 285557 411393 399333 203664			
1972/73 24717   1973/74 12218   1973/74 12218   1974/75 28555   1975/76 41139   1976/77 39933   1977/78 20366   1978/79 16155   1979/80 32870   1980/81 39636   1981/82 14406   1982/83 16804   1983/84 23598   1984/85 18112   1985/86 10839   1986/87 21568   1987/88 23615   1988/89 40455   1989/90 13103   1990/91 10255   1991/92 15068   1992/93 22732   1993/94 56256	5 2 7 3 3 4 1 5043 4 3765 6 10133	247175 122182 285557 411393 399333 203664 161551 328704		247175 122182 285557 411393 399333 203664			
1973/74 12218   1973/74 12218   1974/75 28555   1975/76 41139   1975/76 41139   1976/77 39933   1977/78 20366   1978/79 16155   1979/80 32870   1980/81 39636   1981/82 14406   1982/83 16804   1983/84 23598   1984/85 18112   1985/86 10839   1986/87 21568   1987/88 23615   1988/89 40457   1989/90 13103   1990/91 10255   1991/92 15068   1993/94 56256	2 7 3 3 4 1 5043 4 3765 6 10133	122182 285557 411393 399333 203664 161551 328704		122182 285557 411393 399333 203664			
1974/75 28555   1975/76 41139   1976/77 39933   1976/77 39933   1976/77 39933   1977/78 20366   1978/79 16155   1979/80 32870   1980/81 39636   1981/82 14406   1982/83 16804   1983/84 23598   1984/85 18112   1985/86 10839   1986/87 21568   1987/88 23615   1988/89 40457   1989/90 13103   1990/91 10255   1991/92 15068   1993/94 56256	7 3 3 4 1 5043 4 3765 6 10133	285557 411393 399333 203664 161551 328704		285557 411393 399333 203664			
1975/76 41139   1976/77 39933   1977/78 20366   1978/79 16155   1979/80 32870   1980/81 39636   1981/82 14406   1982/83 16804   1983/84 23598   1984/85 18112   1985/86 10839   1986/87 21568   1987/88 23615   1988/89 40455   1989/90 13103   1990/91 10255   1991/92 15068   1993/94 56256	3 3 4 1 5043 4 3765 6 10133	411393 399333 203664 161551 328704	· · · · · · · · · · · · · · · · · · ·	411393 399333 203664			
1976/77 39933   1977/78 20366   1978/79 16155   1979/80 32870   1980/81 39636   1981/82 14406   1982/83 16804   1983/84 23598   1984/85 18112   1985/86 10839   1986/87 21568   1987/88 23615   1988/89 40453   1989/90 13103   1990/91 10255   1991/92 15068   1993/94 56256	3 4 1 5043 4 3765 6 10133	399333 203664 161551 328704	· · · · · · · · · · · · · · · · · · ·	399333 203664			
1977/78   20366     1978/79   16155     1979/80   32870     1980/81   39636     1981/82   14406     1981/82   14406     1983/84   23598     1984/85   18112     1985/86   10839     1986/87   21568     1988/89   40457     1988/89   40457     1989/90   13103     1990/91   10255     1991/92   15068     1993/94   56256	4 1 5043 4 3765 6 10133	203664 161551 328704		203664			
1978/79 16155   1979/80 32870   1980/81 39636   1981/82 14406   1982/83 16804   1983/84 23598   1984/85 18112   1985/86 10839   1986/87 21568   1987/88 23615   1988/89 40455   1989/90 13103   1990/91 10255   1991/92 15068   1993/94 56256	1 5043 4 3765 6 10133	161551 328704					
1979/80 32870   1980/81 39636   1981/82 14406   1982/83 16804   1983/84 23598   1984/85 18112   1985/86 10839   1986/87 21568   1987/88 23615   1988/89 40457   1989/90 13103   1990/91 10255   1991/92 15068   1993/94 56256	4 3765 6 10133	328704		161551			
1980/81 39636   1981/82 14406   1982/83 16804   1983/84 23598   1984/85 18112   1985/86 10839   1986/87 21568   1987/88 23615   1988/89 40457   1989/90 13103   1990/91 10255   1991/92 15068   1993/94 56256	6 10133	206366	5043	328704			
1981/82 14406   1982/83 16804   1983/84 23598   1984/85 18112   1985/86 10839   1985/86 10839   1985/86 10839   1986/87 21568   1987/88 23615   1988/89 40457   1989/90 13103   1990/91 10255   1991/92 15068   1993/94 56256		390300	3765	396366	5043		
1982/83 16804   1983/84 23598   1984/85 18112   1985/86 10839   1986/87 21568   1986/87 21568   1986/87 23615   1988/89 40457   1989/90 13103   1990/91 10255   1991/92 15068   1993/94 56256	5 <b>5869</b> '	144065	10133	144065	3765		
1983/84 23598   1984/85 18112   1985/86 10839   1985/86 10839   1986/87 21568   1987/88 23615   1988/89 40457   1989/90 13103   1990/91 10255   1991/92 15068   1993/94 56256	7 18205	168047	5869	168047	10133		
1984/85 18112   1985/86 10839   1986/87 21568   1987/88 23615   1988/89 40457   1989/90 13103   1990/91 10255   1991/92 15068   1993/94 56256	0 : 12930	235980	18205	235980	5869		
1985/86   10839     1986/87   21568     1987/88   23615     1988/89   40457     1989/90   13103     1990/91   10255     1991/92   15068     1993/94   56256	3 16938	181123	12930	181123	18205	<del>`</del>	
1986/87 21568   1987/88 23615   1988/89 40457   1989/90 13103   1990/91 10255   1991/92 15068   1993/94 56256	5 10998	108395	16938	108395	12930		
1987/88 23615   1988/89 40457   1989/90 13103   1990/91 10255   1991/92 15068   1992/93 22733   1993/94 56256	1 14859	215681	10998	215681	16938		
1988/89   4045     1989/90   13103     1990/91   10255     1991/92   15068     1992/93   22733     1993/94   56256	6 : 21314	236156	14859	236156	10998		
1989/90 13103   1990/91 10255   1991/92 15068   1992/93 22733   1993/94 56256	15520	40457	21314	40457	14859		
1990/91 10255 1991/92 15068 1992/93 22732 1993/94 56256	9878	13103	15520	13103	21314		
1991/92 15068 1992/93 22732 1993/94 56256	i <b>5991</b>	10255	9878	10255	15520		
1992/93 22733 1993/94 56256	5221	15068	5991	15068	9878		:
1993/94 56250	10649	22732	5221	22732	5991		
	9011	56256	10649	56256	5221		
	9550		9011		10649		
	10961	· · · · · · · · · · · · · · · · · · ·	9550		9011		
	6439	:	10961		9550		
	2462		6439		10961		
~	1402		2462	: ;	6439		
	1932		1402		2462		
	2020		1932	: 	1402		
	2844	·	2020	•	1932		:
	_i i	_ <del></del> _	2844		2020		
0.150					2844		
	573166	-0.2506	05509	<u>.</u>			

Appendix 2. Correlation coefficients calculated for provincial mink, muskrat and ermine fur returns versus price per pelt offered: 1919/20 - 1993/94

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	Correlation Values for Provincial Totals of Mink vs Price											
		<b></b>	B	etween '	1919/20 -	1993-9	4					
		<u> </u>	+	ļ	<b>_</b>	ļ	l		<b></b>			
		same year		1 year out		2 years out		3 years out		4 years out		
Year	Nink	D T C B	Xinx	-i-c	Ain K	2 T C B	Ain X	rice	¥ i i x	Price		
1919/20	16779	14.48	16779		16779		16779		16779			
1920/21	14120	8.77	14120	14.48	14120		14120		14120			
1921/22	29233	8.63	29233	8.77	29233	14.48	29233		29233			
1922/23	19531	9.15	19531	8.63	19531	8.77	19531	14.48	19531			
1923/24	28120	8.88	28120	9.15	28120	8.63	28120	8.77	28120	14.48		
1924/25	12712	8.57	12712	8.88	12712	9.15	12712	8.63	12712	8.77		
1925/26	16355	13.00	16355	8.57	16355	8.88	16355	9.15	16355	8.63		
1926/27	10748	15.50	10748	13.00	10748	8.57	10748	8.88	10748	9.15		
1927/28	9833	16.00	9833	15.50	9833	13.00	9833	8.57	9833	8.88		
1928/29	11308	21.75	11308	16.00	11308	15.50	11308	13.00	11308	8.57		
1929/30	10729	9.00	10729	21.75	10729	16.00	10729	15.50	10729	13.00		
1930/31	11701	6.50	11701	9.00	11701	21.75	11701	16.00	11701	15.50		
1931/32	12941	4.96	12941	6.50	12941	9.00	12941	21.75	12941	16.00		
1932/33	20860	6.05	20860	4.96	20860	6.50	20860	9.00	20860	21.75		
1933/34	28888	7.00	28888	6.05	28888	4.96	28888	6.50	28888	9.00		
1934/35	21493	8.00	21493	7.00	21493	6.05	21493	4.96	21493	6.50		
1935/36	17037	10.30	17037	8.00	17037	7.00	17037	6.05	17037	4.96		
1936/37	15083	15.11	15083	10.30	15083	8.00	15083	7.00	15083	6.05		
1937/38	11021	9.50	11021	15.11	11021	10.30	11021	8.00	11021	7.00		
1938/39	13894	9.25	13894	9.50	13894	15.11	13894	10.30	13894	8.00		
1939/40	17676	9.00	17676	9.25	17676	9.50	17676	15.11	17676	10.30		
1940/41	26382	11.00	26382	9.00	26382	9.25	26382	9.50	26382	15.11		
1941/42	28712	10.00	28712	11.00	28712	9.00	28712	9.25	28712	9.50		
1942/43	18356	12.58	18356	10.00	18356	11.00	18356	9.00	18356	9.25		
1943/44	21067	20.80	21067	12.58	21067	10.00	21067	11.00	21067	9.00		
1944/45	15338	28.00	15338	20.80	15338	12.58	15338	10.00	15338	11.00		
1945/46	12801	40.00	12801	28.00	12801	20.80	12801	12.58	12801	10.00		
1946/47	15850	28.00	15850	40.00	15850	28.00	15850	20.80	15850	12.58		
1947/48	18778	37.00	18778	28.00	18778	40.00	18778	28.00	18778	20.80		
1948/49	22932	27.00	22932	37.00	22932	28.00	22932	40.00	22932	28.00		
1949/50	29456	35.00	29456	27.00	29456	37.00	29456	28.00	29456	40.00		
1950/51	25212	37.00	25212	35.00	25212	27.00	25212	37.00	25212	28.00		
1951/52	26056	28.00	26056	37.00	26056	35.00	26056	27.00	26056	37.00		
1952/53	26401	25.48	26401	28.00	26401	37.00	26401	35.00	26401	27.00		
1953/54	18432	23.00	18432	25.48	18432	28.00	18432	37.00	18432	35.00		
1954/55	17579	27.33	17579	23.00	17579	25.48	17579	28.00	17579	37.00		
1955/56	15384	26.33	15384	27.33	15384	23.00	15384	25.48	15384	28.00		
1956/57	27041	22.00	27041	26.33	27041	27.33	27041	23.00	27041	25.48		
1957/58	37854	18.83	37854	22.00	37854	26.33	37854	27.33	37854	23.00		
1958/59	27397	20.66	27397	18.83	27397	22.00	27397	26.33	27397	27.33		

1050/60	27504	122 22	27504	120 66	27504	40.02	17504	22.00	27504	26 22
1959/00	20670	49.02	20670	20.00	20670	10.03	2/394	40.02	2/334	20.33
1061/62	22550	10.32	22550	19 02	22550	20.00	22550	10.03	22550	40.00
1062/62	19409	22 22	19409	10.32	10400	49.00	49409	20.00	49409	10.03
1062/03	10400	23.33	10400	10.33	10400	10.92	10400	40.00	10400	20.00
1903/04	10412	22.33	10412	23.33	10412	18.33	10412	18.92	10412	22.33
1904/00	1/291	20.00	1/291	22.33	1/291	23.33	1/291	18.33	1/291	18.92
1905/00	15//8	20.00	15//8	20.00	15778	22.33	15778	23.33	15/78	18.33
1966/6/	20099	15.50	20099	20.00	20099	20.00	20099	22.33	20099	23.33
1967/68	258/4	16.00	25874	15.50	25874	20.00	25874	20.00	25874	22.33
1968/69	33104	17.00	33104	16.00	33104	15.50	33104	20.00	33104	20.00
1969/70	21522	13.00	21522	17.00	21522	16.00	21522	15.50	21522	20.00
1970/71	9592	11.20	9592	13.00	9592	17.00	9592	16.00	9592	15.50
1971/72	10686	19.32	10686	11.20	10686	13.00	10686	17.00	10686	16.00
1972/73	20368	23.40	20368	19.32	20368	11.20	20368	13.00	20368	17.00
1973/74	10904	22.00	10904	23.40	10904	19.32	10904	11.20	10904	13.00
1974/75	12420	13.13	12420	22.00	12420	23.40	12420	19.32	12420	11.20
1975/76	11961	20.00	11961	13.13	11961	22.00	11961	23.40	11961	19.32
1976/77	22379	23.57	22379	20.00	22379	13.13	22379	22.00	22379	23.40
1977/78	19408	23.44	19408	23.57	19408	20.00	19408	13.13	19408	22.00
1978/79	20284	25.00	20284	23.44	20284	23.57	20284	20.00	20284	13.13
1979/80	24869	43.00	24869	25.00	24869	23.44	24869	23.57	24869	20.00
1980/81	19721	39.00	19721	43.00	19721	25.00	19721	23.44	19721	23.57
1981/82	14994	34.50	14994	39.00	14994	43.00	14994	25.00	14994	23.44
1982/83	9910	29.00	9910	34.50	9910	39.00	9910	43.00	9910	25.00
1983/84	7314	28.00	7314	29.00	7314	34.50	7314	39.00	7314	43.00
1984/85	11976	37.00	11976	28.00	11976	29.00	11976	34.50	11976	39.00
1985/86	20105	47.00	20105	37.00	20105	28.00	20105	29.00	20105	34.50
1986/87	15311	54.00	15311	47.00	15311	37.00	15311	28.00	15311	29.00
1987/88	18681	34.00	18681	54.00	18681	47.00	18681	37.00	18681	28.00
1988/89	12514	52.00	12514	34.00	12514	54.00	12514	47.00	12514	37.00
1989/90	11922	34.00	11922	52.00	11922	34.00	11922	54.00	11922	47.00
1990/91	4002	27.50	4002	34.00	4002	52.00	4002	34.00	4002	54.00
1991/92	6309	40.69	6309	27.50	6309	34.00	6309	52.00	6309	34.00
1992/93	6475	27.00	6475	40.69	6475	27.50	6475	34.00	6475	52.00
1993/94	5073	30.00	5073	27.00	5073	40.69	5073	27.50	5073	34.00
				30.00		27.00		40.69		27.50
	-0.1244	47470				30.00		27.00		40.69
			-0.1480	6527				30.00		27.00
					-0.2017	7265				30.00
							-0.145	53494		
									-0.1017	0735
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Correlation Values for Provincial Totals of Mink vs Price											
Between 1919/20 - 1993-94											
Year	Aink	rice 5 years out	Aink	rice 6 years out	Aink	trice 7 years out	Aink	rice 8 years out			
1919/20	16779	- <b>B</b>	16779		16779	<u> </u>	16779		<u> </u>		
1920/21	14120	┼╾╍╌┥	14120	+	14120		14120				
1921/22	29233		29233	++	29233		29233	<u> </u>			
1922/23	19531	┟───┤	19531	<del>  </del>	19531	+	19531	<u> </u>			
1923/24	28120	<u> </u>	28120		28120		28120	<u> </u>			
1924/25	12712	14.48	12712		12712		12712	1			
1925/26	16355	8.77	16355	14.48	16355		16355				
1926/27	10748	8.63	10748	8.77	10748	14.48	10748	1			
1927/28	9833	9.15	9833	8.63	9833	8.77	9833	14.48			
1928/29	11308	8.88	11308	9.15	11308	8.63	11308	8.77			
1929/30	10729	8.57	10729	8.88	10729	9.15	10729	8.63			
1930/31	11701	13.00	11701	8.57	11701	8.88	11701	9.15			
1931/32	12941	15.50	12941	13.00	12941	8.57	12941	8.88			
1932/33	20860	16.00	20860	15.50	20860	13.00	20860	8.57			
1933/34	28888	21.75	28888	16.00	28888	15.50	28888	13.00			
1934/35	21493	9.00	21493	21.75	21493	16.00	21493	15.50			
1935/36	17037	6.50	17037	9.00	17037	21.75	17037	16.00			
1936/37	15083	4.96	15083	6.50	15083	9.00	15083	21.75			
1937/38	11021	6.05	11021	4.96	11021	6.50	11021	9.00			
1938/39	13894	7.00	13894	6.05	13894	4.96	13894	6.50			
1939/40	17676	8.00	17676	7.00	17676	6.05	17676	4.96			
1940/41	26382	10.30	26382	8.00	26382	7.00	26382	6.05			
1941/42	28/12	15.11	28712	10.30	28712	8.00	28712	7.00			
1942/43	18356	9.50	18356	15.11	18356	10.30	18355	8.00			
1943/44	2100/	9.25	21067	9.50	21067	15.11	21067	10.30			
1045/40	10000	9.00	10338	9.25	10338	9.50	15338	15.11			
1945/40	12001	10.00	12001	9.00	12801	8.25	12001	9.50			
1047/49	19779	12.59	19000	10.00	10000	9.00	10000	9.25			
1048/40	22022	20.80	22022	12 69	22022	10.00	22022	3.00			
1040/50	20456	28.00	20455	20.80	20456	12 58	20456	10.00			
1950/51	25212	40.00	25212	28.00	25212	20.80	25212	12 58			
1951/52	26056	28.00	26056	40.00	26056	28.00	26056	20.80			
1952/53	26401	37.00	26401	28.00	26401	40.00	26401	28.00	· · · · · · · · · · · · · · · · · · ·		
1953/54	18432	27.00	18432	37.00	18432	28.00	18432	40.00			
1954/55	17579	35.00	17579	27.00	17579	37.00	17579	28.00			
1955/56	15384	37.00	15384	35.00	15384	27.00	15384	37.00			
1956/57	27041	28.00	27041	37.00	27041	35.00	27041	27.00			
1957/58	37854	25.48	37854	28.00	37854	37.00	37854	35.00			
1958/59	27397	23.00	27397	25.48	27397	28.00	27397	37.00			

1050/60	07504	07 201	07504	00.001	07604	05.40	07604	
1929/00	2/394	27.33	2/394	23.00	2/594	25.48	2/594	28.00
1900/01	30679	20.33	30679	27.33	306/9	23.00	30679	25.48
1901/02	22559	22.00	22559	26.33	22559	27.33	22559	23.00
1962/63	18408	18.83	18408	22.00	18408	26.33	18408	27.33
1963/64	16412	20.66	16412	18.83	16412	22.00	16412	26.33
1964/65	17291	22.33	17291	20.66	17291	18.83	17291	22.00
1965/66	15778	18.92	15778	22.33	15778	20.66	15778	18.83
1966/67	20099	18.33	20099	18.92	20099	22.33	20099	20.66
1967/68	25874	23.33	25874	18.33	25874	18.92	25874	22.33
1968/69	33104	22.33	33104	23.33	33104	18.33	33104	18.92
1969/70	21522	20.00	21522	22.33	21522	23.33	21522	18.33
1970/71	9592	20.00	9592	20.00	9592	22.33	9592	23.33
1971/72	10686	15.50	10686	20.00	10686	20.00	10686	22.33
1972/73	20368	16.00	20368	15.50	20368	20.00	20368	20.00
1973/74	10904	17.00	10904	16.00	10904	15.50	10904	20.00
1974/75	12420	13.00	12420	17.00	12420	16.00	12420	15.50
1975/76	11961	11.20	11961	13.00	11961	17.00	11961	16.00
1976/77	22379	19 32	22370	11 20	22370	13 00	22370	17.00
1977/78	19408	23 40	19408	19.32	19408	11 20	19408	13.00
1978/79	20284	22.00	20284	23.40	20284	10 32	20284	11 20
1979/80	24860	13 13	24860	22.40	24969	22 40	24960	10.32
1080/81	10721	20.00	10721	12 12	10721	23.40	10721	23.40
1081/82	14004	22.00	14004	20.00	14004	12 12	14004	22.00
1082/83	0010	23 44	0010	20.00	0010	20.00	0010	12 12
1083/84	7314	25.00	7214	23.37	7244	20.00	7214	20.00
1094/95	11076	42.00	11076	25.44	14078	23.01	1314	20.00
1095/96	20105	30.00	20405	23.00	20405	25.44	119/0	23.31
1096/97	16211	39.00	45244	43.00	45244	25.00	45244	25.44
1900/07	19691	34.50	10011	39.00	10011	43.00	10311	25.00
1000/00	10001	29.00	10001	34.50	10001	39.00	10001	43.00
1900/09	12014	20.00	12014	29.00	12514	34.50	12514	39.00
1303/30	11922	37.00	11922	20.00	11922	29.00	11922	34.30
1990/91	4002	47.00	4002	37.00	4002	28.00	4002	29.00
1991/92	0309	54.00	0309	47.00	6309	37.00	6309	28.00
1992/93	04/5	34.00	6475	54.00	6475	47.00	6475	37.00
1993/94	5073	52.00	5073	34.00	5073	54.00	5073	47.00
		34.00		52.00		34.00		54.00
		27.50		34.00		52.00		34.00
		40.69		27.50		34.00		52.00
		27.00		40.69		27.50		34.00
		30.00		27.00		40.69	·	27.50
				30.00		27.00		40.69
	-0.0432	20872			-	30.00		27.00
			-0.0027	78693				30.00
					-0.0254	13898		
1							-0.0694	6753
								لي من من من من من من من من من من من من من

Correlation Values for Provincial Totals of Mink vs Price											
	Between 1919/20 - 1969/70										
		+	<u> </u>						;	· ·	
Year	Aink	rice same year	Aink	Price 1 year out	Aink	rice 2 years out	Aink	Price 3 years out	Aink	rice 4 years out	
1919/20	16779	14 48	16779		16779		16779	<u> </u>	16779	- <b>GL</b>	
1920/21	14120	8.77	14120	14.48	14120		14120	+	14120		
1921/22	29233	8.63	29233	8.77	29233	14.48	29233		29233		
1922/23	19531	9.15	19531	8.63	19531	8.77	19531	14.48	19531	<u>+</u>	
1923/24	28120	8.88	28120	9.15	28120	8.63	28120	8.77	28120	14.48	
1924/25	12712	8.57	12712	8.88	12712	9.15	12712	8.63	12712	8.77	
1925/26	16355	13.00	16355	8.57	16355	8.88	16355	9.15	16355	8.63	
1926/27	10748	15.50	10748	13.00	10748	8.57	10748	8.88	10748	9.15	
1927/28	9833	16.00	9833	15.50	9833	13.00	9833	8.57	9833	8.88	
1928/29	11308	21.75	11308	16.00	11308	15.50	11308	13.00	11308	8.57	
1929/30	10729	9.00	10729	21.75	10729	16.00	10729	15.50	10729	13.00	
1930/31	11701	6.50	11701	9.00	11701	21.75	11701	16.00	11701	15.50	
1931/32	12941	4.96	12941	6.50	12941	9.00	12941	21.75	12941	16.00	
1932/33	20860	6.05	20860	4.96	20860	6.50	20860	9.00	20860	21.75	
1933/34	28888	7.00	28888	6.05	28888	4.96	28888	6.50	28888	9.00	
1934/35	21493	8.00	21493	7.00	21493	6.05	21493	4.96	21493	6.50	
1935/36	17037	10.30	17037	8.00	17037	7.00	17037	6.05	17037	4.96	
1936/37	15083	15.11	15083	10.30	15083	8.00	15083	7.00	15083	6.05	
1937/38	11021	9.50	11021	15.11	11021	10.30	11021	8.00	11021	7.00	
1938/39	13894	9.25	13894	9.50	13894	15.11	13894	10.30	13894	8.00	
1939/40	17676	9.00	17676	9.25	17676	9.50	17676	15.11	17676	10.30	
1940/41	26382	11.00	26382	9.00	26382	9.25	26382	9.50	26382	15.11	
1941/42	28712	10.00	28712	11.00	28712	9.00	28712	9.25	28712	9.50	
1942/43	18356	12.58	18356	10.00	18356	11.00	18356	9.00	18356	9.25	
1943/44	21067	20.80	21067	12.58	21067	10.00	21067	11.00	21067	9.00	
1944/45	15338	28.00	15338	20.80	15338	12.58	15338	10.00	15338	11.00	
1945/46	12801	40.00	12801	28.00	12801	20.80	12801	12.58	12801	10.00	
1946/47	15850	28.00	15850	40.00	15850	28.00	15850	20.80	15850	12.58	
1947/48	18778	37.00	18778	28.00	18778	40.00	18778	28.00	18778	20.80	
1948/49	22932	27.00	22932	37.00	22932	28.00	22932	40.00	22932	28.00	
1949/50	29456	35.00	29456	27.00	29456	37.00	29456	28.00	29456	40.00	
1950/51	25212	37.00	25212	35.00	25212	27.00	25212	37.00	25212	28.00	
1937/52	20056	28.00	26055	37.00	26056	35.00	26056	27.00	26056	37.00	
1952/53	20401	25.48	26401	28.00	26401	37.00	26401	35.00	26401	27.00	
1953/54	16432	23.00	18432	25.48	18432	28.00	18432	37.00	18432	35.00	
1934/55	1/5/9	27.33	1/579	23.00	17579	25.48	1/579	28.00	1/5/9	37.00	
1955/56	15384	26.33	15384	27.33	15384	23.00	15384	25.48	15384	28.00	
1956/57	27041	22.00	27041	26.33	27041	27.33	27041	23.00	27041	25.48	
1957/58	37854	18.83	37854	22.00	37854	26.33	37854	27.33	37854	23.00	
1958/59	27397	20.66	27 <b>39</b> 7	18.83	27397	22.00	27397	26.33	27397	27.33	

1959/60	27594	22.33	27594	20.66	27594	18.83	27594	22.00	27594	26.33
1960/61	30679	18.92	30679	22.33	30679	20.66	30679	18.83	30679	22.00
1961/62	22559	18.33	22559	18.92	22559	22.33	22559	20.66	22559	18.83
1962/63	18408	23.33	18408	18.33	18408	18.92	18408	22.33	18408	20.66
1963/64	16412	22.33	16412	23.33	16412	18.33	16412	18.92	16412	22.33
1964/65	17291	20.00	17291	22.33	17291	23.33	17291	18.33	17291	18.92
1965/66	15778	20.00	15778	20.00	15778	22.33	15778	23.33	15778	18.33
1966/67	20099	15.50	20099	20.00	20099	20.00	20099	22.33	20099	23.33
1967/68	25874	16.00	25874	15.50	25874	20.00	25874	20.00	25874	22.33
1968/69	33104	17.00	33104	16.00	33104	15.50	33104	20.00	33104	20.00
1969/70	21522	13.00	21522	17.00	21522	16.00	21522	15.50	21522	20.00
				13.00		17.00		16.00		15.50
	0.1122	75847				13.00		17.00		16.00
			0.1275	94299				13.00		17.00
		]			0.2422	09031				13.00
							0.3265	99768		
									0.4540	32336
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Correlation Values for Provincial Totals of Mink vs Price											
		R	etween 1	919/20	- 1969/7	)					
	1						1				
	<u> </u>	┼╍╍╌┨	+	<del>  </del>	+	+	+	+			
	×	e 5 years out	¥	e 6 years out	×	e 7 years out	Y	e 8 years out			
Year		2		P		P 2	Ē	P E			
1919/20	16779		16770		16770	<b></b>	16770				
1920/21	14120		14120		14120		14120				
1921/22	29233	┼╌╍╌┤	29233	┼───┼	29233	┟╌╾╼╶┥	29233	<u> </u>			
1922/23	19531		19531	╂╾╾╾╉	19531		19531				
1923/24	28120	<u>├</u>	28120	<u> </u>	28120		28120				
1924/25	12712	14.48	12712		12712		12712				
1925/26	16355	8.77	16355	14.48	16355	<u>+</u>	16355	;			
1926/27	10748	8.63	10748	8.77	10748	14.48	10748				
1927/28	9833	9.15	9833	8.63	9833	8.77	9833	14.48			
1928/29	11308	8.88	11308	9.15	11308	8.63	11308	8.77			
1929/30	10729	8.57	10729	8.88	10729	9.15	10729	8.63			
1930/31	11701	13.00	11701	8.57	11701	8.88	11701	9.15			
1931/32	12941	15.50	12941	13.00	12941	8.57	12941	8.88			
1932/33	20860	16.00	20860	15.50	20860	13.00	20860	8.57			
1933/34	28888	21.75	28888	16.00	28888	15.50	28888	13.00			
1934/35	21493	9.00	21493	21.75	21493	16.00	21493	15.50			
1935/36	17037	6.50	17037	9.00	17037	21.75	17037	16.00			
1936/37	15083	4.96	15083	6.50	15083	9.00	15083	21.75			
1937/38	11021	6.05	11021	4.96	11021	6.50	11021	9.00			
1938/39	13894	7.00	13894	6.05	13894	4.96	13894	6.50			
1939/40	17676	8.00	17676	7.00	17676	6.05	17676	4.96			
1940/41	26382	10.30	26382	8.00	26382	7.00	26382	6.05			
1941/42	28712	15.11	28712	10.30	28712	8.00	28712	7.00			
1942/43	18356	9.50	18356	15.11	18356	10.30	18356	8.00			
1943/44	21067	9.25	21067	9.50	21067	15.11	21067	10.30			
1944/45	15338	9.00	15338	9.25	15338	9.50	15338	15.11			
1945/46	12801	11.00	12801	9.00	12801	9.25	12801	9.50			
1946/47	15850	10.00	15850	11.00	15850	9.00	15850	9.25			
1947/48	18778	12.58	18778	10.00	18778	11.00	18778	9.00			
1948/49	22932	20.80	22932	12.58	22932	10.00	22932	11.00			
1949/50	29456	28.00	29456	20.80	29456	12.58	29456	10.00			
1950/51	25212	40.00	25212	28.00	25212	20.80	25212	12.58			
1951/52	26056	28.00	26056	40.00	26056	28.00	26056	20.80			
1952/53	20401	37.00	26401	28.00	26401	40.00	26401	28.00			
1953/54	18432	27.00	18432	37.00	18432	28.00	16432	40.00			
1904/00	1/5/9	33.00	1/5/9	27.00	1/5/9	37.00	1/5/9	27.00			
1933/30	10384	37.00	15364	35.00	13384	27.00	15384	37.00			
1900/0/	27054	20.00	27054	37.00	27054	35.00	27054	25.00			
1050/50	3/034	23.40	3/034	20.00	37207	31.00	37307	33.00			
1330/331	21331	ZJ.UU!!	ZI 331 1	ZU.40	Z1331	20.UU	: 21331	J1.UU			

1959/60	27594	27.33	27594	23.00	27594	25.48	27594	28.00
1960/61	30679	26.33	30679	27.33	30679	23.00	30679	25.48
1961/62	22559	22.00	22559	26.33	22559	27.33	22559	23.00
1962/63	18408	18.83	18408	22.00	18408	26.33	18408	27.33
1963/64	16412	20.66	16412	18.83	16412	22.00	16412	26.33
1964/65	17291	22.33	17291	20.66	17291	18.83	17291	22.00
1965/66	15778	18.92	15778	22.33	15778	20.66	15778	18.83
1966/67	20099	18.33	20099	18.92	20099	22.33	20099	20.66
1967/68	25874	23.33	25874	18.33	25874	18.92	25874	22.33
1968/69	33104	22.33	33104	23.33	33104	18.33	33104	18.92
1969/70	21522	20.00	21522	22.33	21522	23.33	21522	18.33
		20.00		20.00	1	22.33		23.33
		15.50		20.00	1	20.00		22.33
		16.00		15.50	1	20.00		20.00
		17.00		16.00	1	15.50		20.00
		13.00		17.00	i	16.00		15.50
		1		13.00		17.00		16.00
	0.5538	97032			1	13.00		17.00
			0.5234	90527				13.00
					0.4797	70006		
	1				:		0.3278	80607

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	Correlation Values for Provincial Totals of Mink vs Price											
			Be	stween '	1970/70 -	1993/9	4					
Year	Mink	Price same year	Mink	Price 1 year out	Mink	Price 2 years out	Mink	Price 3 years out	Mink	Price 4 years out		
1970/71	9592	11.20	9592		9592		9592		9592			
1971/72	10686	19.32	10686	11.20	10686		10686	1	10686	1		
1972/73	20368	23.40	20368	19.32	20368	11.20	20368		20368			
1973/74	10904	22.00	10904	23.40	10904	19.32	10904	11.20	10904			
1974/75	12420	13.13	12420	22.00	12420	23.40	12420	19.32	12420	11.20		
1975/76	11961	20.00	11961	13.13	11961	22.00	11961	23.40	11961	19.32		
1976/77	22379	23.57	22379	20.00	22379	13.13	22379	22.00	22379	23.40		
1977/78	19408	23.44	19408	23.57	19408	20.00	19408	13.13	19408	22.00		
1978/79	20284	25.00	20284	23.44	20284	23.57	20284	20.00	20284	13.13		
1979/80	24869	43.00	24869	25.00	24869	23.44	24869	23.57	24869	20.00		
1980/81	19721	39.00	19721	43.00	19721	25.00	19721	23.44	19721	23.57		
1981/82	14994	34.50	14994	39.00	14994	43.00	14994	25.00	14994	23.44		
1982/83	9910	29.00	9910	34.50	9910	39.00	9910	43.00	9910	25.00		
1983/84	7314	28.00	7314	29.00	7314	34.50	7314	39.00	7314	43.00		
1984/85	11976	37.00	11976	28.00	11976	29.00	11976	34.50	11976	39.00		
1985/86	20105	47.00	20105	37.00	20105	28.00	20105	29.00	20105	34.50		
1986/87	15311	54.00	15311	47.00	15311	37.00	15311	28.00	15311	29.00		
1987/88	18681	34.00	18681	54.00	18681	47.00	18681	37.00	18681	28.00		
1988/89	12514	52.00	12514	34.00	12514	54.00	12514	47.00	12514	37.00		
1989/90	11922	34.00	11922	52.00	11922	34.00	11922	54.00	11922	47.00		
1990/91	4002	27.50	4002	34.00	4002	52.00	4002	34.00	4002	54.00		
1991/92	6309	40.69	6309	27.50	6309	34.00	6309	52.00	6309	34.00		
1992/93	6475	27.00	6475	40.69	6475	27.50	6475	34.00	6475	52.00		
1993/94	5073	30.00	5073	27.00	5073	40.69	5073	27.50	5073	34.00		
				30.00		27.00		40.69	1	27.50		
	0.2052	08691			1	30.00	1	27.00		40.69		
			-0.0146	17111			1	30.00		27.00		
					-0.4963	33807				30.00		
							-0.4430	77294				
							·		-0.6270	33352		
		]								]		
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	·	;	Betw	een 197	70/70 - 19	993/94		
	*	e 5 years out	×	e 6 years out	×	e 7 years out	¥	a 8 years out
Year	<b>Kin</b>	÷È	<u>Vir</u>	i e	- N	Ê		ů.
1970/71	9592		9592		9592		9592	
1971/72	10686		10686	1	10686	1	10686	+
1972/73	20368		20368		20368	1	20368	+
1973/74	10904		10904		10904		10904	
1974/75	12420		12420		12420	1	12420	<u> </u>
1975/76	11961	11.20	11961	1	11961		11961	+
1976/77	22379	19.32	22379	11.20	22379	+	22379	
1977/78	19408	23.40	19408	19.32	19408	11.20	19408	
1978/79	20284	22.00	20284	23.40	20284	19.32	20284	11.20
1979/80	24869	13.13	24869	22.00	24869	23.40	24869	19.32
1980/81	19721	20.00	19721	13.13	19721	22.00	19721	23.40
1981/82	14994	23.57	14994	20.00	14994	13.13	14994	22.00
1982/83	9910	23.44	9910	23.57	9910	20.00	9910	13.13
1983/84	7314	25.00	7314	23.44	7314	23.57	7314	20.00
1984/85	11976	43.00	11976	25.00	11976	23.44	11976	23.57
1985/86	20105	39.00	20105	43.00	20105	25.00	20105	23.44
1986/87	15311	34.50	15311	39.00	15311	43.00	15311	25.00
1987/88	18681	29.00	18681	34.50	18681	39.00	18681	43.00
1988/89	12514	28.00	12514	29.00	12514	34.50	12514	39.00
1989/90	11922	37.00	11922	28.00	11922	29.00	11922	34.50
1990/91	4002	47.00	4002	37.00	4002	28.00	4002	29.00
1991/92	6309	54.00	6309	47.00	6309	37.00	6309	28.00
1992/93	6475	34.00	6475	54.00	6475	47.00	6475	37.00
1993/94	5073	52.00	5073	34.00	5073	54.00	5073	47.00
	i	34.00		52.00	1	34.00	i	54.00
		27.50		34.00		52.00		34.00
		40.69		27.50	1	34.00		52.00
		27.00		40.69		27.50		34.00
		30.00		27.00		40.69		27.50
				30.00		27.00		40.69
	-0.6273	95839				30.00		27.00
			-0.5247	52397				30.00
					-0.4722	07381		
							-0 3644	99052

1.27	360287	0.93	360287	06'0	360287	29.0	360287	10.F	282095	65/8561
£6 [.] 0	168089	1.27	168089	<b>6.0</b> 3	168089	06.0	168089	29.0	168089	89/2961
1.25	1E+06	6.03	1E+06	1.27	1E+0e	<b>£6</b> .0	1E+06	06.0	1E+06	29/9961
1.45	1E+06	1.25	1E+06	6.03	1E+00	1.27	1E+06	0.93	1E+06	99/9961
5.20	1E+06	57.1	1E+06	1.25	1E+06	£6.0	1E+09	7S.1	1E+06	55/756L
02.1	2200425	2.20	224062	57°L	20472	1.25	2740672	0.93	224062	192/2961
1.37	721114	02.1	721114	2.20	721114	57.1	121114	1.25	721114	1952/53
2.70	<b>#62665</b>	1.37	<b>\$62665</b>	02.1	<b>162665</b>	2.20	<b>762669</b>	1.45	<b>162665</b>	1951/52
92.1	669629	2.70	668629	1.37	669629	02.1	668629	2.20	6686629	1920/21
3.50	997962	92.1	997962	5.70	<b>35436</b>	1.37	997962	02.1	997962	05/6761
5.63	830330	3.50	830330	92.1	830330	2.70	<b>630330</b>	1.37	830330	1948/49
2.25	822998	5.63	822998	3.50	822998	1.75	8522998	2.70	852998	84/7481
2.88	269808	5.25	269808	5.63	808692	3.50	808692	92.1	269808	1946/47
2.11	660896	<b>88.</b> 2	660996	5.25	660856	5.63	660996	3.50	660856	97/9761
5.00	82224	2.11	822254	2.88	822254	2.25	822254	5.63	866724	37/776L
72.1	281862	5.00	298185	2.11	281862	2.88	281862	5.25	298189	1943/44
88.0	280838	1.27	280838	5.00	280838	2.11	280838	2.88	280838	1942/43
02.0	331362	88.0	331362	1.27	331362	2.00	331362	2.11	331362	1941/45
1.34	826659	02.0	826659	88.0	826659	1.27	826659	<b>5.00</b>	826659	1940/41
1.45	682375	1.34	682375	02.0	682375	88.0	925289	72.1	682375	1838/40
06.0	374896	1.45	374896	1.34	374896	02.0	374896	88.0	374896	162/8261
02.0	582440	06.0	582440	1.45	582440	1.34	582440	01.0	582440	8E/LEG1
95.0	354850	02.0	354850	06.0	354850	1.45	354850	1.34	324820	1836/37
0.44	588172	99.0	271885	02.0	588172	06.0	271885	1.45	588172	1832/36
09.0	321828	<b>**</b> .0	321828	99.0	321828	02.0	321828	06.0	321828	1634/32
99'0	382060	09.0	382060	0.44	382020	99.0	382000	02.0	382060	1933/34
31.1	421799	99.0	421799	09.0	421799	0.44	421799	99.0	661127	1835/33
1.50	841378	SL'L	8461378	99'0	8461378	09.0	8461378	0.44	875144	1931/32
5.13	300624	1.50	300624	SI.I	300624	99.0	300624	09.0	300624	18/0261
1.65	521986	2.13	521886	1.50	551986	1.15 I	521986	99.0	521986	1929/30
10.1	336398	1.65	536398	2.13	536398	1.50	536398	1.15	<b>S36398</b>	1928/29
1.04	513866	10.1	513866	1.65	513866	5.13	513866	1.50	513866	192/7281
62.1	526841	1.04	526841	10.1	226841	<b>29.1</b>	526841	5.13	226841	19261
1.53	441623	1.29	441623	1.04	441623	10.1	441623	59.1	441623	192/9261
1.23	306906	1.53	306906	1.29	306906	1.04	306906	10.1	306906	1924/25
2.30	912755	1.23	912799	1.63	912755	1.29	912759	1.04	912799	1823/24
	602100	530	602100	1.23	602100	1.63	602100	1.29	602100	1922/23
	629115	ļ	<b>211259</b>	5.30	<b>211259</b>	1.23	629115	1.63	<b>211259</b>	1921/22
	081965		396180	ļ	396180	5.30	396180	1.23	396180	15/0261
	518288		<b>518288</b>		518288	<u> </u>	518288	5.30	518288	1919/20
콧	S S	Px	S .	P X		1 X	S .	P	Me I	Year
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 			7	6/2661	- 02/616	, neew	Be			
			CODINEDI				CODIDA II	nneisin		

1959/6	0 214542	2 0.87	214542	1.01	21454	2: 0.67	214542	0.90	214542	0.93
1960/6	1 338037	0.79	338037	0.87	33803	7 1.01	338037	0.67	338037	0.90
1961/6	2 166323	1.14	166323	0.79	16632	3 0.87	166323	1.01	166323	0.67
1962/6	3 140618	1.77	140618	1.14	14061	8 0.79	140618	0.87	140618	1.01
1963/6	4 249067	1.50	249067	1.77	24906	7 1.14	249067	0.79	249067	0.87
1964/6	5 348098	1.52	348098	1.50	34809	8 1.77	348098	1.14	348098	0.79
1965/6	5 589290	1.72	589290	1.52	58929	0 1.50	589290	1.77	589290	1.14
1966/67	7 387875	0.88	387875	1.72	38787	5 1.52	387875	1.50	387875	1.77
1967/6	8 442268	1.01	442268	0.88	44226	8 1.72	442268	1.52	442268	1.50
1968/69	294116	1.55	294116	1.01	29411	5 0.88	294116	1.72	294116	1.52
1969/70	250212	1.45	250212	1.55	25021	2 1.01	250212	0.88	250212	1.72
1970/71	388714	1.57	388714	1.45	388714	1.55	388714	1.01	388714	0.88
1971/72	472579	2.01	472579	1.57	47257	1.45	472579	1.55	472579	1.01
1972/73	247175	2.64	247175	2.01	24717	5 1.57	247175	1.45	247175	1 55
1973/74	122182	2.80	122182	2.64	12218	2 2.01	122182	1 57	122182	1 45
1974/75	285557	2.62	285557	2.80	285557	2.64	285557	2.01	285557	1.57
1975/76	411393	3.62	411393	2.62	411393	3 2.80	411393	264	411393	2 01
1976/77	399333	4.27	399333	3.62	399333	2.62	399333	2.80	399333	2 64
1977/78	203664	4.61	203664	4.27	203664	3.62	203664	2.62	203664	2.80
1978/79	161551	5.90	161551	4.61	161551	4.27	161551	3.62	161551	2.62
1979/80	328704	6.60	328704	5.90	328704	4.61	328704	4 27	328704	3.62
1980/81	396366	5.80	396366	6.60	396366	5.90	396366	461	396366	4 27
1981/82	144065	3.05	144065	5.80	144065	6.60	144065	5 90	144065	4 61
1982/83	168047	2.97	168047	3.05	168047	5.80	168047	6.60	168047	5.90
1983/84	235980	3.20	235980	2.97	235980	3.05	235980	5 80	235980	6 60
1984/85	181123	3.25	181123	3.20	181123	2.97	181123	3.05	181123	5.80
1985/86	108395	3.15	108395	3.25	108395	3.20	108395	2.97	108395	3.05
1986/87	215681	5.00	215681	3.15	215681	3.25	215681	3 20	215681	2 97
1987/88	236156	4.10	236156	5.00	236156	3.15	236156	3 25	236156	3 20
1988/89	40457	1.40	40457	4.10	40457	5.00	40457	3 15	40457	3 25
1989/90	13103	1.70	13103	1.40	13103	4.10	13103	5.00	13103	3 15
1990/91	10255	1.55	10255	1.70	10255	1.40	10255	4 10	10255	5.00
1991/92	15068	2.09	15068	1.55	15068	1.70	15068	1.40	15068	4.10
1992/93	22732	2.00	22732	2.09	22732	1.55	22732	1.70	22732	1.40
1993/94	56256	2.60	56256	2.00	56256	2.09	56256	1.55	56256	1.70
				2.60	1	2.00		2.09		1.55
	-0.2032	54137	1			2.60	++	2.00		2.09
			-0.20530	02651	1		++	2.60		2.00
		1			-0.2093	50791	††		i	2.60
					· ·		-0.17014	18081		
							1		-0.16628	35193
							1			
							1			
							1 1			

Correlation Values for Provincial Totals of Muskrats vs Price											
			Betw	een 191	9/20 - 19	93/94					
	L						<u> </u>				
Vear	fuskrat	hice 5 years out	luskrat	rice 6 years out	luskrat	rice 7 years out	luskrat	rice 8 years out			
1010/20	2	<b>_B</b>	2	<u> </u>	519299	•	2	<u> </u>			
1020/21	206180		206190		206190		206190		╆		
1921/22	511520		511520		511520		511520				
1927/23	602100		602100		602100		602100		<u> </u>		
1923/24	554716		55471R		554716		554716		<b></b>		
1924/25	306906	2 30	306006		306006		308006				
1925/26	AA1623	1 23	441623	2 30	441623		441623		+		
1920/20	226941	1.20	226941	1 22	226941	2 20	226941		<b>+</b>		
1027/29	212966	1.33	212066	1.20	2420041	1 22	212966	2 20	<u>+</u>		
1029/20	215000	1.23	226200	1.33	226208	1.23	236209	1 22	<b> </b>		
1020/20	250530	1.04	250590	1.23	250380	1.00	250390	1.20			
1020/21	201900	1.01	200624	1.04	200624	1.29	200624	1.55			
1031/32	441378	2 12	441378	1.01	1441279	1.04	441278	1.20	<u></u>		
1022/22	471700	4.50	441370	2 12	441370	1.01	421700	1.04			
1022/24	225060	1.30	225060	1.50	295060	2 12	225060	1.01	<u> </u>		
1024/35	221222	0.66	221929	1.50	221929	1.50	221929	2 12			
1035/36	271885	0.60	271995	0.66	271995	1.50	271995	1.50	<b> </b>		
1936/37	324820	0.00	324820	0.00	324820	0.66	324820	1.50	ļ		
1037/38	285440	0.56	285440	0.00	285440	0.00	285440	0.66	!		
1038/30	374896	0.30	374806	0.56	374806	0.00	374806	0.60	•		
1030/40	682375	0.70	682375	0.30	682375	0.56	682375	0.00	·		
1940/41	659928	1 45	650028	0.00	659928	0.00	659928	0.56			
1941/42	331362	1.40	331362	1.45	331362	0.70	331362	0.00	; ,		
1042/43	280838	0.70	280838	1.40	280838	1.45	280838	0.10	<u> </u>		
1042/44	581862	0.70	581862	0.70	581862	1 34	581862	1 45			
1944/45	855724	1 27	855724	0.98	855724	0.70	855724	1.40	1		
1045/46	958099	2 00	958090	1 27	958099	0.70	958099	0.70	 		
1946/47	808692	2 11	808692	2 00	808692	1 27	808692	0.88			
1947/48	822998	2.88	822998	2.11	822998	2.00	822998	1.27			
1948/49	930330	2.25	930330	2.88	930330	2.11	930330	2.00	<u> </u>		
1949/50	796456	2 63	796456	2 25	796456	2.88	796456	2 11			
1950/51	679899	3.50	679899	2.63	679890	2.25	679899	2.88			
1951/52	599794	1.75	599794	3.50	599794	2.63	599794	2.25			
1952/53	721114	2.70	721114	1.75	721114	3.50	721114	2.63			
1953/54	790472	1.37	790472	2.70	790472	1.75	790472	3.50			
1954/55	1E+06	1.70	1E+06	137	1E+06	2.70	1E+06	1.75			
1955/56	1E+06	2.20	1E+06	1.70	1E+06	1.37	1E+06	2.70			
1956/57	1E+06	1.45	1E+06	2.20	1E+06	1.70	1E+06	1.37			
1957/58	680891	1.25	680891	1.45	680891	2.20	680891	1.70			
1958/59	360287	0.93	360287	1.25	360287	1.45	360287	2.20			

10000	100.000								
1959/60	214542	1.27	214542	0.93	214542	1.25	214542	1.45	
1960/61	338037	0.93	338037	1.27	338037	0.93	338037	1.25	i 
1961/62	166323	0.90	166323	0.93	166323	1.27	166323	0.93	
1962/63	140618	0.67	140618	0.90	140618	0.93	140618	1.27	
1963/64	249067	1.01	249067	0.67	249067	0.90	249067	0.93	
1964/65	348098	0.87	348098	1.01	348098	0.67	348098	0.90	
1965/66	589290	0.79	589290	0.87	589290	1.01	589290	0.67	
1966/67	387875	1.14	387875	0.79	387875	0.87	387875	1.01	
1967/68	442268	1.77	442268	1.14	442268	0.79	442268	0.87	
1968/69	294116	1.50	294116	1.77	294116	1.14	294116	0.79	
1969/70	250212	1.52	250212	1.50	250212	1.77	250212	1.14	
1970/71	388714	1.72	388714	1.52	388714	1.50	388714	1.77	
1971/72	472579	0.88	472579	1.72	472579	1.52	472579	1.50	
1972/73	247175	1.01	247175	0.88	247175	1.72	247175	1.52	·
1973/74	122182	1.55	122182	1.01	122182	0.88	122182	1.72	
1974/75	285557	1.45	285557	1.55	285557	1.01	285557	0.88	
1975/76	411393	1.57	411393	1.45	411393	1.55	411393	1.01	i
1976/77	399333	2.01	399333	1.57	399333	1.45	1399333	1.55	· · · · · · · · · · · · · · · · · · ·
1977/78	203664	2.64	203664	2.01	203664	1.57	203664	1.45	·
1978/79	161551	2.80	161551	2.64	161551	2.01	161551	1.57	
1979/80	328704	2.62	328704	2.80	328704	2.64	328704	2.01	
1980/81	396366	3.62	396366	2.62	396366	2.80	396366	2.64	
1981/82	144065	4.27	144065	3.62	144065	2.62	144065	2.80	
1982/83	168047	4.61	168047	4.27	168047	3.62	168047	2.62	
1983/84	235980	5.90	235980	4.61	235980	4.27	235980	3.62	
1984/85	181123	6.60	181123	5.90	181123	461	181123	4 27	
1985/86	108395	5.80	108395	6.60	108395	5.90	108395	4.61	
1986/87	215681	3.05	215681	5.80	215681	6.60	215681	5.90	
1987/88	236156	2.97	236156	3.05	236156	5.80	236156	6.60	
1988/89	40457	3.20	40457	2.97	40457	3.05	40457	5.80	
1989/90	13103	3.25	13103	3.20	13103	2.97	13103	3.05	
1990/91	10255	3.15	10255	3.25	10255	3 20	10255	2 97	
1991/92	15068	5.00	15068	3.15	15068	3.25	15068	3.20	
1992/93	22732	4 10	22732	5.00	22732	3 15	22732	3 25	
1993/94	56256	1 40	56256	4 10	56256	5.00	56256	3 15	
		1 70		1 40		4 10	00200	5.00	
		1 55	<u>+</u>	1 70		1 40	+	A 10	
		2 09	<u> </u>	1.55		1 70		1 40	
		2 00	+	2 00		1.55		1 70	
		2 60	+	2.00		2 00	<u> </u>	1.70	
		2.00	+	2.00		2.00	<u> </u>	2 00	
	-0 2000	06012	<u> </u>	2.00		2.00	┼╍╍╍┥	2.03	
	-0.2000	30013	1.0 2549	22027		2.00	<u> </u>	2.00	
	┝		-0.2340	2333/	0 2445	11705	<u> </u>	2.00	
			╞╍──┤		CPP2.U- U	11/05	0.0470	00522	
1			1			1	1 -U.24/0	00033	

Correlation Values for Provincial Totals of Muskrats vs Price												
	<del></del>	·	Be	tween	1919/20 -	1969/70	<u> </u>		· · · · · · · · · · · · · · · · · · ·	·		
Year	Auskrat	rice same year	Auskrat	hice 1 year out	Auskrat	trice 2 years out	Auskrat	hice 3 years out	Auskrat	Price 4 years out		
1919/20	518288	2.30	518288		518288	<b>G</b>	518288		518288			
1920/21	396180	1.23	396180	2.30	396180		396180		396180			
1921/22	511529	1.53	511529	1.23	511529	2.30	511529		511529			
1922/23	602100	1.29	602100	1.53	602100	1.23	602100	2.30	602100			
1923/24	554716	1.04	554716	1.29	554716	1.53	554716	1.23	554716	2.30		
1924/25	306906	1.01	306906	1.04	306906	1.29	306906	1.53	306906	1.23		
1925/26	441623	1.65	441623	1.01	441623	1.04	441623	1.29	441623	1.53		
1926/27	226841	2.13	226841	1.65	226841	1.01	226841	1.04	226841	1.29		
1927/28	213866	1.50	213866	2.13	213866	1.65	213866	1.01	213866	1.04		
1928/29	236398	1.15	236398	1.50	236398	2.13	236398	1.65	236398	1.01		
1929/30	251986	0.66	251986	1.15	251986	1.50	251986	2.13	251986	1.65		
1930/31	300624	0.60	300624	0.66	300624	1.15	300624	1.50	300624	2.13		
1931/32	441378	0.44	441378	0.60	441378	0.66	441378	1.15	441378	1.50		
1932/33	421799	0.56	421799	0.44	421799	0.60	421799	0.66	421799	1.15		
1933/34	385060	0.70	385060	0.56	385060	0.44	385060	0.60	385060	0.66		
1934/35	321828	0.90	321828	0.70	321828	0.56	321828	0.44	321828	0.60		
1935/36	271885	1.45	271885	0.90	271885	0.70	271885	0.56	271885	0.44		
1936/37	324820	1.34	324820	1.45	324820	0.90	324820	0.70	324820	0.56		
1937/38	285440	0.70	285440	1.34	285440	1.45	285440	0.90	285440	0.70		
1938/39	5/4896	U.88	3/4896	0.70	3/4896	1.34	3/4896	1.45	374896	0.90		
1939/40	0023/5	1.2/	082375	88.0	650000	0.70	662375	1.34	662375	1.45		
1940/41	224260	2.00	009928	1.27	039928	0.88	009928	0.70	009928	1.34		
1941/42	331302	2.11	331362	2.00	331362	1.27	331362	88.0	331362	0.70		
1042/43	200030	2.00	200038	2.11	200030	2.00	280838	1.27	280838	0.88		
1044/45	955704	2.20	055704	2.00	055704	2.11	301002	2.00	055704	1.27		
1046/40	053/24	2.03	000/24	2.23	059000	2.00	0007/24	2.11	059000	2.00		
1046/47	808602	1 75	900603	2.03	900033	262	909603	2.00	900603	200		
1047/49	8220092	2 70	8220092	J.JU 4 75	822000	2.03	922000	2.20	8220082	2.00		
1048/40	030330	1 37	020230	270	020220	1 75	027330	2.00	020330	262		
1940/50	706456	1.37	706456	1.37	706456	2 70	706456	1 75	706456	3.60		
1950/51	679800	2 20	670800	1 70	670900	1.37	670900	270	670900	1 75		
1951/52	599704	145	599704	2 20	599704	1 70	599704	1.37	599704	270		
1952/53	721114	1.25	721114	1.45	721114	2.20	721114	1 70	721114	1.37		
1953/54	790472	0.93	790472	1 25	790472	145	790472	2 20	790472	1 70		
1954/55	1E+06	1.27	1E+06	0.93	1E+06	1.25	1E+06	1.45	1E+06	2.20		
1955/56	1E+06	0.93	1E+06	1.27	1E+06	0.93	1E+06	1.25	1E+06	1.45		
1956/57	1E+06	0.90	1E+06	0.93	1E+06	1.27	1E+06	0.93	1E+06	1.25		
1957/58	680891	0.67	680891	0.90	680891	0.93	680891	1.27	680891	0.93		
1958/59	360287	1.01	360287	0.67	360287	0.90	360287	0.93	360287	1.27		

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1959/60	214542	0.87	214542	1.01	214542	0.67	214542	0.90	214542	0.93
1960/61	338037	0.79	338037	0.87	338037	1.01	338037	0.67	338037	0.90
1961/62	166323	1.14	166323	0.79	166323	0.87	166323	1.01	166323	0.67
1962/63	140618	1 77	140618	1 14	140618	0.79	140618	0.87	140618	1.01
1062/64	240067	1.50	240067	4 77	240067	4 4 4	240007	0.01	240067	0.97
1000/04	243007	1.50	245007	1.77	248007	1.19	24800/	0.75	245007	0.07
1904/05	340090	1.52	340030	1.50	340098	1.//	340090	1.14	348098	0.79
1965/65	589290	1.72	589290	1.52	589290	1.50	589290	1.77	589290	1.14
1966/67	387875	0.88	387875	1.72	387875	1.52	387875	1.50	387875	1.77
1967/68	442268	1.01	442268	0.88	442268	1.72	442268	1.52	442268	1.50
1968/69	294116	1.55	294116	1.01	294116	0.88	294116	1.72	294116	1.52
1969/70	250212	1.45	250212	1.55	250212	1.01	250212	0.88	250212	1.72
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Correlation Values for Provincial Totals of Muskrats vs Price												
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1919/20	518288	_ <b>Q</b>	2		518288	<u> </u>	518288	<u> </u>	<u> </u>			
1920/21	396180		396180		396180		396180		<u> </u>			
1921/22	511529		511529		511529		511529		<u>+</u>			
1922/23	602100		602100		602100		602100					
1923/24	554716		554716		554716		554716					
1924/25	306906	2.30	306906		306906		306906					
1925/26	441623	1.23	441623	2.30	441623		441623					
1926/27	226841	1.53	226841	1.23	226841	2.30	226841		ļ			
1927/28	213866	1.29	213866	1.53	213866	1.23	213866	2.30	 			
1920/29	230390	1.04	230390	1.29	236396	1.53	236398	1.23	<u> </u>			
1929/30	300624	1.01	201900	1.04	201900	1.29	200624	1.55	·			
1931/32	441378	2 13	441378	1.01	441378	1.04	441378	1.28				
1932/33	421799	1.50	421799	2.13	421799	1.65	421799	1.01	<u> </u>			
1933/34	385060	1.15	385060	1.50	385060	2.13	385060	1.65				
1934/35	321828	0.66	321828	1.15	321828	1.50	321828	2.13				
1935/36	271885	0.60	271885	0.66	271885	1.15	271885	1.50				
1936/37	324820	0.44	324820	0.60	324820	0.66	324820	1.15				
1937/38	285440	0.56	285440	0.44	285440	0.60	285440	0.66				
1938/39	374896	0.70	374896	0.56	374896	0.44	374896	0.60				
1939/40	682375	0.90	682375	0.70	682375	0.56	682375	0.44				
1940/41	659928	1.45	659928	0.90	659928	0.70	659928	0.56				
1941/42	290929	1.34	331302	1.45	331302	1.45	331362	0.70				
1942/45	200030	0.70	581862	0.70	581862	1.45	591962	1.45				
1944/45	855724	1.27	855724	0.88	855724	0.70	855724	1.45				
1945/46	958099	2.00	958099	1.27	958099	0.88	958099	0.70				
1946/47	808692	2.11	808692	2.00	808692	1.27	808692	0.88				
1947/48	822998	2.88	822998	2.11	822998	2.00	822998	1.27				
1948/49	930330	2.25	930330	2.88	930330	2.11	930330	2.00				
1949/50	796456	2.63	796456	2.25	796456	2.88	796456	2.11				
1950/51	679899	3.50	679899	2.63	679899	2.25	679899	2.88				
1951/52	599794	1.75	599794	3.50	599794	2.63	599794	2.25				
1952/53	721114	2.70	721114	1.75	721114	3.50	721114	2.63				
1903/04	15402	1.37	190472	2./0	1904/2	1./5	190472	3.50				
1954/55	15-00	2.20	15+00	1.3/	15+00	4.70	15+00	1./5				
1956/57	16+06	1 45	15+06	2 20	16+06	1.3/	15+06	1 37				
1957/58	680891	1.25	680891	1.45	680891	2.20	680891	1.70				
1958/59	360287	0.93	360287	1.25	360287	1.45	360287	2.20				

1959/60	214542	1.27	214542	0.93	214542	1.25	214542	1.45	
1960/61	338037	0.93	338037	1.27	338037	0.93	338037	1.25	
1961/62	166323	0.90	166323	0.93	166323	1.27	166323	0.93	
1962/63	140618	0.67	140618	0.90	140618	0.93	140618	1.27	
1963/64	249067	1.01	249067	0.67	249067	0.90	249067	0.93	
1964/65	348098	0.87	348098	1.01	348098	0.67	348098	0.90	
1965/66	589290	0.79	589290	0.87	589290	1.01	589290	0.67	
1966/67	387875	1.14	387875	0.79	387875	0.87	387875	1.01	
1967/68	442268	1.77	442268	1.14	442268	0.79	442268	0.87	
1968/69	294116	1.50	294116	1.77	294116	1.14	294116	0.79	
1969/70	250212	1.52	250212	1.50	250212	1.77	250212	1.14	_
		1.72		1.52		1.50		1.77	
		0.88		1.72		1.52		1.50	
		1.01		0.88		1.72		1.52	
		1.55		1.01		0.88		1.72	
		1.45		1.55		1.01		0.88	
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	0.51783	32789				1.45		1.55	
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Correlation Values for Provincial Totals of Muskrats vs Price Between 1970/71 - 1993/94 ž Ż Ż Ę same yea Price 3 years years Price 4 years Price 1 year Muskrat Muskraf uskrat **Nuskral** Price 2 ) Muskral Price Year 1970/71 388714 1.57 388714 388714 388714 388714 1971/72 472579 2.01 472579 472579 472579 1.57 472579 1972/73 247175 2.64 247175 2.01 247175 247175 247175 1.57 1973/74 122182 2.80 122182 122182 2.64 | 122182 2.01 122182 1.57 1974/75 285557 2.62 285557 2.80 285557 2.64 285557 2.01 285557 1.57 1975/76 411393 3.62 411393 2.62 411393 411393 2.64 411393 2.01 2.80 1976/77 399333 4.27 399333 3.62 399333 2.62 399333 2.80 399333 2.64 1977/78 203664 4.61 203664 4.27 203664 3.62 203664 2.62 203664 2.80 1978/79 161551 5.90 161551 4.61 | 161551 | 4.27 161551 3.62 161551 2.62 1979/80 328704 6.60 328704 5.90 328704 4.61 328704 4.27 328704 3.62 1980/81 396366 5.80 396366 6.60 396366 5.90 396366 4.61 396366 4.27 1981/82 144065 3.05 | 144065 | 5.80 144065 6.60 144065 5.90 144065 4.61 1982/83 168047 2.97 168047 3.05 168047 5.80 168047 6.60 168047 5.90 1983/84 235980 3.20 235980 2.97 235980 3.05 235980 5.80 235980 6.60 1984/85 181123 3.25 181123 3.20 181123 2.97 3.05 181123 181123 5.80 1985/86 108395 3.15 108395 3.25 108395 3.20 108395 2.97 108395 3.05 1986/87 215681 3.25 2.97 5.00 215681 3.15 215681 215681 3.20 215681 1987/88 236156 4.10 236156 5.00 236156 3.15 236156 3.25 236156 3.20 1988/89 40457 1.40 40457 4.10 40457 5.00 40457 3.15 40457 3.25 1989/90 13103 1.70 13103 1.40 13103 4.10 13103 5.00 13103 3.15 1990/91 10255 1.55 10255 1.70 10255 1.40 5.00 10255 4.10 10255 1991/92 15068 15068 15068 1.40 4.10 2.09 1.55 1.70 15068 15068 1992/93 22732 2.00 22732 2.09 22732 1.55 22732 1.70 22732 1.40 56256 2.00 56256 56256 1993/94 56256 2.60 2.09 56256 1.55 1.70 2.60 2.00 2.09 1.55 0.40524888 2.00 2.60 2.09 0.330847904 2.00 2.60 0.208890237 2.60 0.131321379 -0.041734269 Π Π

	Correlation Values for Provincial Totals of Muskrats vs Price												
Between 1970/71 - 1993/94													
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Year	Muskrat	Price 5 years out	Muskrat	Price 6 years out	Muskrat	Price 7 years out	Muskrat	Price 8 years out					
1970/71	388714		388714		388714		388714		+				
1971/72	472579		472579		472579		472579	<u> </u>	1				
1972/73	247175		247175		247175		247175	<u> </u>	+				
1973/74	122182		122182		122182		122182		<u> </u>				
1974/75	285557		285557		285557		285557		<u>+</u>				
1975/76	411393	1.57	411393		411393		411393	<u> </u>	+				
1976/77	399333	2.01	399333	1.57	399333		399333		<u> </u>				
1977/78	203664	2.64	203664	2.01	203664	1.57	203664		1				
1978/79	161551	2.80	161551	2.64	161551	2.01	161551	1.57	1				
1979/80	328704	2.62	328704	2.80	328704	2.64	328704	2.01	<u>i</u>				
1980/81	396366	3.62	396366	2.62	396366	2.80	396366	2.64	1				
1981/82	144065	4.27	144065	3.62	144065	2.62	144065	2.80	<u>+</u>				
1982/83	168047	4.61	168047	4.27	168047	3.62	168047	2.62	÷				
1983/84	235980	5.90	235980	4.61	235980	4.27	235980	3.62	•				
1984/85	181123	6.60	181123	5.90	181123	4.61	181123	4.27	•				
1985/86	108395	5.80	108395	6.60	108395	5.90	108395	4.61	<u> </u>				
1986/87	215681	3.05	215681	5.80	215681	6.60	215681	5.90					
1987/88	236156	2.97	236156	3.05	236156	5.80	236156	6.60					
1988/89	40457	3.20	40457	2.97	40457	3.05	40457	5.80					
1989/90	13103	3.25	13103	3.20	13103	2.97	13103	3.05					
1990/91	10255	3.15	10255	3.25	10255	3.20	10255	2.97					
1991/92	15068	5.00	15068	3.15	15068	3.25	15068	3.20					
1992/93	22732	4.10	22732	5.00	22732	3.15	22732	3.25	·				
1993/94	56256	1.40	56256	4.10	56256	5.00	56256	3.15					
		1.70		1.40		4.10	1 .	5.00					
		1.55		1.70		1.40	1	4.10	·				
		2.09	11	1.55		1.70	1	1.40					
		2.00		2.09		1.55	1	1.70					
		2.60		2.00		2.09	1	1.55					
	1	1		2.60	1	2.00	11	2.09					
	-0.26325	6282				2.60	1	2.00					
			-0.29090	03055			1	2.60					
					0.02554	7504	[ ]		· · · · · · · · · · · · · · · · · · ·				
							-0.04019	98041					

Correlation Values for Provincial Totals of Ermine vs Price												
			В	etween	1919/20	- 1993/	94					
Year	Ermine	^o rice same year	Ermine	^o rice 1 year out	Ermine	Price 2 years out	Ermine	Price 3 years out	crmine	^o rice 4 years out		
1919/2	118168	136	118168	_ 46	118168	_ <u>U</u>	118168		118168	<u> </u>		
1920/2	69664	0.46	69664	1 36	69664		69664		69664			
1921/2	67318	0.57	67318	0.46	67318	1.36	67318		67318			
1922/2	38210	0.62	38210	0.57	38210	0.46	38210	1.36	38210			
1923/2	63054	0.81	63054	0.62	63054	0.57	63054	0.46	63054	1.36		
1924/2	56807	1.14	56807	0.81	56807	0.62	56807	0.57	56807	0.46		
1925/2	84492	1.75	84492	1.14	84492	0.81	84492	0.62	84492	0.57		
1926/2	87892	1.88	87892	1.75	87892	1.14	87892	0.81	87892	0.62		
1927/2	88852	1.75	88852	1.88	88852	1.75	88852	1.14	88852	0.81		
1928/2	108789	1.65	108789	1.75	108789	1.88	108789	1.75	108789	1.14		
1929/3	110094	0.78	110094	1.65	110094	1.75	110094	1.88	110094	1.75		
1930/3	71833	0.70	71833	0.78	71833	1.65	71833	1.75	71833	1.88		
1931/3	88838	0.75	88838	0.70	88838	0.78	88838	1.65	88838	1.75		
1932/3	72529	0.46	72529	0.75	72529	0.70	72529	0.78	72529	1.65		
1933/3	116992	0.65	116992	0.46	116992	0.75	116992	0.70	116992	0.78		
1934/3	80748	0.60	80748	0.65	80748	0.46	80748	0.75	80748	0.70		
1935/3	56187	0.75	56187	0.60	56187	0.65	56187	0.46	56187	0.75		
1936/3	137672	0.10	137672	0.75	137672	0.60	137672	0.65	137672	0.46		
1937/3	113648	0.60	113648	0.10	113648	0.75	113648	0.60	113648	0.65		
1938/3	72523	0.55	72523	0.60	72523	0.10	72523	0.75	72523	0.60		
1939/4	103932	0.66	103932	0.55	103932	0.60	103932	0.10	103932	0.75		
1940/4	136027	1.10	136027	0.66	136027	0.55	136027	0.60	136027	0.10		
1941/4	150193	1.23	150193	1.10	150193	0.66	150193	0.55	150193	0.60		
1942/4	113080	1.72	113080	1.23	113080	1.10	113080	0.66	113080	0.55		
1943/4	155567	2.35	155567	1.72	155567	1.23	155567	1.10	155567	0.66		
1944/4	124815	2.30	124815	2.35	124815	1.72	124815	1.23	124815	1.10		
1945/4	109613	3.05	109613	2.30	109613	2.35	109613	1:72	109613	1.23		
1946/4	103656	1.72	103656	3.05	103656	2.30	103656	2.35	103656	1.72		
1947/4	91600	2.35	91600	1.72	91600	3.05	91600	2.30	91600	2.35		
1948/4	99705	1.55	99705	2.35	99705	1.72	99705	3.05	99705	2.30		
1949/5	152800	1.70	152800	1.55	152800	2.35	152800	1.72	152800	3.05		
1950/5	69556	2.45	69556	1.70	69556	1.55	69556	2.35	69556	1.72		
1951/5	79049	1.70	79049	2.45	79049	1.70	79049	1.55	79049	2.35		
1952/5	105230	1.47	105230	1.70	105230	2.45	105230	1.70	105230	1.55		
1953/5	62578	1.15	62578	1.47	62578	1.70	62578	2.45	62578	1.70		
1954/5	70090	1.87	70090	1.15	70090	1.47	70090	1.70	70090	2.45		
1955/5	95641	1.55	95641	1.87	95641	1.15	95641	1.47	95641	1.70		
1956/5	66950	1.99	66950	1.55	66950	1.87	66950	1.15	66950	1.47		
1957/5	61002	1.59	61002	1.99	61002	1.55	61002	1.87	61002	1.15		
1958/5	43236	1.48	43236	1.59	43236	1.99	43236	1.55	43236	1.87		

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1959/6	45205	1.29	45205	1.48	45205	1.59	45205	1.99	45205	1.55
1960/6	31725	1.17	31725	1.29	31725	1.48	31725	1.59	31725	1.99
1961/6	29600	1.09	29600	1.17	29600	1.29	29600	1.48	29600	1.59
1962/6	27970	1.01	27970	1.09	27970	1.17	27970	1.29	27970	1.48
1963/6	24527	1.01	24527	1.01	24527	1.09	24527	1.17	24527	1.29
1964/6	41794	2.31	41794	1.01	41794	1.01	41794	1.09	41794	1.17
1965/6	32034	2.61	32034	2.31	32034	1.01	32034	1.01	32034	1.09
1966/6	13354	1.87	13354	2.61	13354	2.31	13354	1.01	13354	1.01
1967/6	26394	1.48	26394	1.87	26394	2.61	26394	2.31	26394	1.01
1968/6	23325	2.43	23325	1.48	23325	1.87	23325	2.61	23325	2.31
1969/7	10613	0.98	10613	2.43	10613	1.48	10613	1.87	10613	2.61
1970/7	5043	0.52	5043	0.98	5043	2.43	5043	1.48	5043	1.87
1971/7	3765	0.74	3765	0.52	3765	0.98	3765	2.43	3765	1.48
1972/7	10133	1.03	10133	0.74	10133	0.52	10133	0.98	10133	2.43
1973/7	5869	1.20	5869	1.03	5869	0.74	5869	0.52	5869	0.98
1974/7	18205	0.80	18205	1.20	18205	1.03	18205	0.74	18205	0.52
1975/7	12930	0.90	12930	0.80	12930	1.20	12930	1.03	12930	0.74
1976/7	16938	1.37	16938	0.90	16938	0.80	16938	1.20	16938	1.03
1977/7	10998	1.78	10998	1.37	10998	0.90	10998	0.80	10998	1.20
1978/7	14859	3.00	14859	1.78	14859	1.37	14859	0.90	14859	0.80
1979/8	21314	2.10	21314	3.00	21314	1.78	21314	1.37	21314	0.90
1980/8	15520	1.50	15520	2.10	15520	3.00	15520	1.78	15520	1.37
1981/8	9878	2.00	9878	1.50	9878	2.10	9878	3.00	9878	1.78
1982/8	5991	2.30	5991	2.00	5991	1.50	5991	2.10	5991	3.00
1983/8	5221	2.50	5221	2.30	5221	2.00	5221	1.50	5221	2.10
1984/8	10649	2.50	10649	2.50	10649	2.30	10649	2.00	10649	1.50
1985/8	9011	3.80	9011	2.50	9011	2.50	9011	2.30	9011	2.00
1986/8	9550	2.90	9550	3.80	9550	2.50	9550	2.50	9550	2.30
1987/8	10961	3.50	10961	2.90	10961	3.80	10961	2.50	10961	2.50
1988/8	6439	2.25	6439	3.50	6439	2.90	6439	3.80	6439	2.50
1989/9	2462	2.20	2462	2.25	2462	3.50	2462	2.90	2462	3.80
1990/9	1402	2.85	1402	2.20	1402	2.25	1402	3.50	1402	2.90
1991/9	1932	3.39	1932	2.85	1932	2.20	1932	2.25	1932	3.50
1992/9	2020	5.20	2020	3.39	2020	2.85	2020	2.20	2020	2.25
1993/9	2844	6.30	2844	5.20	2844	3.39	2844	2.85	2844	2.20
	0.0077	70474		6.30	┟─────┥	5.20		3.39		2.85
<b> </b>	-0.32/5	104/1	0.0404	52044	╂┨	0.30	+	5.20		3.39
			-0.3184	52014	0.0475	FOEDO	<u> </u>	0.30		5.2U
			<u> </u>		-0.31/5	20208	0.0740	06705		0.30
			┟┦		<b>├</b>		-0.3/19	00/35	0.0000	754 44
	<u> </u>		<u> </u>		<u> </u>		<b> </b>	<u> </u>	-0.3930	/5141
			┟╌╌╌┥		┟╺╌╌┥		<u> </u>			
			<u> </u>		<b> </b>		<u> </u>		┥╌╌╸┥	
					┟───┤				<u> </u>	
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	Between 1919/20 - 1993/94											
					il		i					
	9	5 years out	9	6 years out	9	7 years out	9	8 years out				
	Ē	8	ы Ш	8	- E	8	- ie	8				
Year	<u>ل</u> ق	Ē	<b>E</b>	đ	L.	Ā	5	2				
1919/2	118168		118168		118168		118168		<u> </u>			
1920/2	69664		69664		69664		69664					
1921/2	67318		67318		67318		67318		L			
922/2	38210		38210		38210		38210		ļ			
923/2	63054		63054		63054		63054		ļ			
924/2	56807	1.36	56807		56807		56807		ļ			
925/2	84492	0.46	84492	1.36	84492		84492		ļ			
926/2	87892	0.57	87892	0.46	87892	1.36	87892					
927/2	88852	0.62	88852	0.57	88852	0.46	68852	1.36	ļ			
920/2	108/89	U.81	108789	0.62	108789	0.57	108/89	U.46				
929/3	74822	1.14	740004	U.81	740094	0.62	74000	0.57	ļ			
330/3	11033	1.75	11033	1.14	/1833	1.61	11033	0.02	ļ			
331/3	72620	1.00	72520	1./0	72520	1.14	72520	U.01	, 			
332/3	146002	1.73	116000	1.00	142002	1./0	146002	1.14				
024/2	80749	0.79	80749	1./0	20749	1.00	80749	1./3				
35/2	56187	0.70	56127	0.79	56197	1.75	56197	1.00	<u> </u>			
936/2	137672	0.75	137672	0.70	137672	0.78	137672	1.65	<u>}</u>			
937/3	113648	0.46	113648	0.75	113649	0.70	113648	0.78	<u> </u>			
938/3	72523	0.65	72523	0.75	72523	0.75	72523	0.70	<u> </u>			
939/4	103932	0.00	103032	0.40	103032	0.46	103032	0.75	<u> </u>			
940/4	136027	0.75	136027	0.60	136027	0.65	136027	0.46	<u> </u>			
941/4	150193	0.10	150193	0.75	150193	0.60	150193	0.65				
942/4	113080	0.60	113080	0.10	113080	0.75	113080	0.60				
943/4	155567	0.55	155567	0.60	155567	0.10	155567	0.75				
944/4	124815	0.66	124815	0.55	124815	0.60	124815	0.10				
945/4	109613	1.10	109613	0.66	109613	0.55	109613	0.60				
946/4	103656	1.23	103656	1.10	103656	0.66	103656	0.55				
947/4	91600	1.72	91600	1.23	91600	1.10	91600	0.66				
348/4	99705	2.35	99705	1.72	99705	1.23	99705	1.10				
949/5	152800	2.30	152800	2.35	152800	1.72	152800	1.23				
950/5	69556	3.05	69556	2.30	69556	2.35	69556	1.72				
951/5	79049	1.72	79049	3.05	79049	2.30	79049	2.35				
952/5	105230	2.35	105230	1.72	105230	3.05	105230	2.30				
953/5	62578	1.55	62578	2.35	62578	1.72	62578	3.05				
954/5	70090	1.70	70090	1.55	70090	2.35	70090	1.72				
955/5	95641	2.45	95641	1.70	95641	1.55	95641	2.35				
956/5	66950	1.70	66950	2.45	66950	1.70	66950	1.55				
957/5	61002	1.47	61002	1.70	61002	2.45	61002	1.70				
958/5	43236	1.15	43236	1.47	43236	1.70	43236	2.45				

1959/6	45205	1 87	45205	1 15	45205	1 47	45205	1 70		
1960/6	31725	1.57	31725	1 87	31725	1 15	31725	1 47	<u> </u>	
1961/6	29600	1 99	29600	1.55	29600	1.10	29600	1 15		
1962/6	27970	1.50	27970	1 99	27970	1.55	27970	1 87	<u> </u>	
1063/6	24527	1 48	24527	1.50	24527	1.00	24527	1 55	<u> </u>	
1964/6	A1704	1 20	A1704	1.00	A1704	1.00	41704	1.00		
1065/6	22024	1.23	22024	1.40	22024	1.39	22024	1.55		
1066/6	12254	1.00	12254	1.23	12264	1.40	42254	1.09		
1967/6	26304	1.03	26204	1.17	26304	1.28	26304	1.40		
1968/6	23325	1.01	23325	1.09	20004	1.17	2000-	1.23		
1080/7	10813	2 31	10613	1.01	10812	1.03	10613	1.17		
1070/7	5043	2.51	5043	1.01	6043	1.01	5042	1.03		
1071/7	3765	1.01	3765	2.51	2765	2 24	3765	1.01		
1072/7	10133	1.07	10123	1.01	10122	2.31	10133	2 21		
1073/7	5860	2.43	5860	1.07	6960	1.01	5960	2.51		
1074/7	18205	0.08	18205	2.42	19205	4 49	19205	1.01		
1075/7	12030	0.80	12030	0.09	120200	1.40	1203	1.07		
1076/7	16039	0.32	16039	0.50	16029	2.43	16029	2.40		
1077/7	10000	1.02	10930	0.52	10330	0.50	10330	2.43		
1079/7	14950	1.03	10990	0.74	14950	0.52	10990	V.30		
1070/9	21214	1.20	21214	1.00	14033	0.74	24244	0.32		
1000/0	15520	0.00	15520	0.90	21314	1.03	45520	0.74		
1001/0	0979	1 37	0979	0.00	13320	1.20	13320	1.03		
1002/0	50/0	1.3/	5001	0.90	5004	0.00	5001	1.20		
1002/0	5221	2.00	5224	1.3/	5221	4.27	5231	0.00		
1903/0	10640	2 10	10640	1.70	10640	4 70	10640	1.30		
1096/9	0011	1.50	0044	3.00	0011	1.70	0045	1.3/		
1905/0	9011	2.00	3011	2.10	9011	3.00	9011	1.70		
10070	40064	2.00	9000	1.50	9000	2.10	9550	3.00		
1000/0	6420	2.30	10901	2.00	10901	1.50	10901	2.10		
1000/0	2462	2.50	0439	2.30	0439	2.00	0439	1.50		
1909/9	402	2.50	2402	2.50	2402	2.30	2402	2.00		
1004/0	1902	3.00	1402	2.50	1402	2.50	1402	2.30		
1002/0	1932	2.90	1932	3.00	1932	2.50	1932	2.50		
1002/0	2020	3.50	2020	2.90	2020	3.80	2020	2.50		
1227/2	2094	2.20	2044	3.50	2044	2.90	2044	3.80		
		2.20		2.25		3.50	+	2.90		
		2.00	<u> </u>	2.20	+	2.25	┽╾╾╼╌╸┥	3.50		
		3.39	<b> </b>	2.00	<u> </u>	2.20	┼	2.20		
		5.20		3.39		2.65		2.20		
		0.30		5.20	<u> </u>	3.39	<u> </u>	2.00		
	0.4045	05040	<u> </u>	0.30		5.20		5.39		
	-0.4243	92018	0.000	05040	<u> </u>	0.30	<b> </b>	5.20		
			-0.4266	05242		00400	┽┥	0.30		
					-0.4383	96169				
							-0.4116	08658		
	C	Correlat	ion Value	s for Pr	ovincial T	otals of	Ermine v	s Price	······	
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			Be	tween	1919/20 -	1969/7	0			
	<u> </u>								Ц	L
Year	imine	rice same year	imine	rice 1 year out	imine	rice 2 years out	imine	rice 3 years out	irrvine	rice 4 years out
1919/20	<u>u</u> 118168	1.36	<u> </u>	<u> </u>	118168	<u> </u>	118168	٩.	<u>Ш</u> 118168	٩.
1920/21	69664	0.46	69664	1.36	R0664		69664		69664	
1921/22	67318	0.57	67318	0.46	67318	1.36	67318		67318	
1922/23	38210	0.62	38210	0.57	38210	0.46	38210	1.36	38210	
1923/24	63054	0.81	63054	0.62	63054	0.57	63054	0.46	63054	1.36
1924/25	56807	1.14	56807	0.81	56807	0.62	56807	0.57	56807	0.46
1925/26	84492	1.75	84492	1.14	84492	0.81	84492	0.62	84492	0.57
1926/27	87892	1.88	87892	1.75	87892	1.14	87892	0.81	87892	0.62
1927/28	88852	1.75	88852	1.88	88852	1.75	88852	1.14	88852	0.81
1928/29	108789	1.65	108789	1.75	108789	1.88	108789	1.75	108789	1.14
1929/30	110094	0.78	110094	1.65	110094	1.75	110094	1.88	110094	1.75
1930/31	71833	0.70	71833	0.78	71833	1.65	71833	1.75	71833	1.88
1931/32	88838	0.75	88838	0.70	88838	0.78	88838	1.65	88838	1.75
1932/33	72529	0.46	72529	0.75	72529	0.70	72529	0.78	72529	1.65
1933/34	116992	0.65	116992	0.46	116992	0.75	116992	0.70	116992	0.78
1934/35	80748	0.60	80748	0.65	80748	0.46	80748	0.75	80748	0.70
1935/36	56187	0.75	56187	0.60	56187	0.65	56187	0.46	56187	0.75
1936/37	137672	0.10	137672	0.75	137672	0.60	137672	0.65	137672	0.46
1937/38	113648	0.60	113648	0.10	113648	0.75	113648	0.60	113648	0.65
1938/39	72523	0.55	72523	0.60	72523	0.10	72523	0.75	72523	0.60
1939/40	103932	0.66	103932	0.55	103932	0.60	103932	0.10	103932	0.75
1940/41	136027	1.10	136027	0.66	136027	0.55	136027	0.60	136027	0.10
1941/42	150193	1.23	150193	1.10	150193	0.66	150193	0.55	150193	0.60
1942/43	113080	1.72	113080	1.23	113080	1.10	113080	0.66	113080	0.55
1943/44	155567	2.35	155567	1.72	155567	1.23	155567	1.10	155567	0.66
1944/45	124815	2.30	124815	2.35	124815	1.72	124815	1.23	124815	1.10
1945/46	109613	3.05	109613	2.30	109613	2.35	109613	1.72	109613	1.23
1946/47	103656	1.72	103656	3.05	103656	2.30	103656	2.35	103656	1.72
1947/48	91600	2.35	91600	1.72	91600	3.05	91600	2.30	91600	2.35
1948/49	99705	1.55	99705	2.35	99705	1.72	99705	3.05	99705	2.30
1949/50	152600	1.70	152800	1.55	152800	2.35	152800	1.72	152800	3.05
1990/91	08000	2.45	20040	1./0	69556	1.55	09556	2.35	70040	1.12
1901/52	13049	1./0	19049	2.45	/9049	1.70	/9049	1.55	19049	2.35
1952/53	105230	1.4/	105230	1.70	105230	2.45	105230	1./0	105230	1.55
1054/55	70000	1.15	020/0	1.4/	020/0	1./0	023/8	4.40	70000	1./U
1055/50	10030	1.0/	10090	1.13	10090	1.4/	10090	1./0	05644	4.40
1066/57	140CE	1.00	1000	1.0/	85041	1.15	14000	1.4/	80050	1.10
1057/69	61002	1 60	61002	1.00	61002	1.0/	61002	1.13	61002	1 15
1958/50	43236	1 48	43236	1.55	43236	1.00	43236	1.57	43236	1.87

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959/60	45205	1.29	45205	1.48	45205	1.59	45205	1.99	45205	1.55	
960/61	31725	1.17	31725	1.29	31725	1.48	31725	1.59	31725	1.99	
961/62	29600	1.09	29600	1.17	29600	1.29	29600	1.48	29600	1.59	
962/63	27970	1.01	27970	1.09	27970	1.17	27970	1.29	27970	1.48	
963/64	24527	1.01	24527	1.01	24527	1.09	24527	1.17	24527	1.29	
964/65	41794	2.31	41794	1.01	41794	1.01	41794	1.09	41794	1.17	
965/66	32034	2.61	32034	2.31	32034	1.01	32034	1.01	32034	1.09	
966/67	13354	1.87	13354	2.61	13354	2.31	13354	1.01	13354	1.01	
967/68	26394	1.48	26394	1.87	26394	2.61	26394	2.31	26394	1.01	
968/69	23325	2.43	23325	1.48	23325	1.87	23325	2.61	23325	2.31	
969/70	10613	0.98	10613	2.43	10613	1.48	10613	1.87	10613	2.61	
				0.98		2.43	1	1.48	1	1.87	
	0.0180	27687				0.98	1	2.43		1.48	
			-0.0654	71007	1			0.98		2.43	
					-0.0620	81004	1			0.98	
							-0.2080	30378			
		1			1		1		-0.2497	12236	
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[	Cor	relation	Values fr	or Provi	incial Tota	is of E	mine vs f	Price	
			Betw	een 19'	19/20 - 19	69/70			
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		2		2		2		2	
		9		<b>6</b> 9		<b>0</b> 9		<b>B</b> Q	İ
	2	ŝ	9	6	2	7)	2	8	
	Ē	5	u i	8	Ē	<u>8</u>	mic	8	
Year	<u>ù</u>	à	ŭ	à	<u> </u>	P	ŭ	à	
1919/20	118168		118168		118168		118168		[
1920/21	69664		69664		69664		69664		
1921/22	67318		67318		67318		67318		<u></u>
1922/23	38210		38210		38210		38210		
1923/24	63054		63054		63054		63054		
1924/25	56807	1.36	56807		56807		56807		
1925/26	84492	0.46	84492	1.36	84492		84492		
1926/27	87892	0.57	87892	0.46	87892	1.36	87892		
1927/28	88852	0.62	88852	0.57	88852	0.46	88852	1.36	
1928/29	108789	0.81	108789	0.62	108789	0.57	108789	0.46	<u> </u>
1929/30	110094	1.14	110094	0.81	110094	0.62	110094	0.57	
1930/31	71833	1.75	71833	1.14	71833	0.81	71833	0.62	: 
1931/32	88838	1.88	88838	1.75	88838	1.14	88838	0.81	: 
1932/33	72529	1.75	72529	1.88	72529	1.75	72529	1.14	- 
1933/34	116992	1.65	116992	1.75	116992	1.88	116992	1.75	
1934/35	80748	0.78	80748	1.65	80748	1.75	80748	1.88	
1935/36	56187	0.70	56187	0.78	56187	1.65	56187	1.75	
1936/37	137672	0.75	137672	0.70	137672	0.78	137672	1.65	ļ
1937/38	113648	0.46	113648	0.75	113648	0.70	113648	0.78	
1938/39	72523	0.65	72523	0.46	72523	0.75	72523	0.70	
1939/40	103932	0.60	103932	0.65	103932	0.46	103932	0.75	
1940/41	136027	0.75	136027	0.60	136027	0.65	136027	0.46	
1941/42	150193	0.10	150193	0.75	150193	0.60	150193	0.65	
1942/43	113080	0.60	113080	0.10	113080	0.75	113080	0.60	
1943/44	155567	0.55	155567	0.60	155567	0.10	155567	0.75	
1944/45	124815	0.66	124815	0.55	124815	0.60	124815	0.10	
1945/46	109613	1.10	109613	0.66	109613	0.55	109613	0.60	
1946/47	103656	1.23	103656	1.10	103656	0.66	103656	0.55	
1947/48	91600	1.72	91600	1.23	91600	1.10	91600	0.66	
1948/49	99705	2.35	99705	1.72	99705	1.23	99705	1.10	
1949/50	152800	2.30	152800	2.35	152800	1.72	152800	1.23	
1950/51	69556	3.05	69556	2.30	69556	2.35	69556	1.72	
1951/52	79049	1.72	79049	3.05	79049	2.30	79049	2.35	
1952/53	105230	2.35	105230	1.72	105230	3.05	105230	2.30	
1953/54	62578	1.55	62578	2.35	62578	1.72	62578	3.05	-
1954/55	70090	1.70	70090	1.55	70090	2.35	70090	1.72	
1955/56	95641	2.45	95641	1.70	95641	1.55	95641	2.35	
1956/57	66950	1.70	66950	2.45	66950	1.70	66950	1.55	
1957/58	61002	1.47	61002	1.70	61002	2.45	61002	1.70	
1958/59	43236	1.15	43236	1.47	43236	1.70	43236	2.45	

1959/60	45205	1.87	45205	1.15	45205	1.47	45205	1.70	;
1960/61	31725	1.55	31725	1.87	31725	1 15	31725	1 47	
1961/62	29600	1.99	29600	1 55	29600	1 87	20600	4 46	i I
1962/63	27970	1 59	27970	1 00	27070	1.01	23000	4.07	
1063/64	24527	4.40	24507	4.50	2/9/0	1.00	2/8/0	1.0/	
1903/04	24321	1.40	24321	1.59	2452/	1.99	24527	1.55	
1964/65	41794	1.29	41794	1.48	41794	1.59	41794	1.99	
1965/66	32034	1.17	32034	1.29	32034	1.48	32034	1.59	
1966/67	13354	1.09	13354	1.17	13354	1.29	13354	1.48	
1967/68	26394	1.01	26394	1.09	26394	1.17	26394	1.29	
1968/69	23325	1.01	23325	1.01	23325	1.09	23325	1.17	
1969/70	10613	2.31	10613	1.01	10613	1.01	10613	1.09	
		2.61		2.31		1.01		1.01	
		1.87		2.61		2.31		1.01	
		1.48		1.87		2.61	1	2.31	
		2.43		1.48		1.87	1	2.61	
		0.98		2.43		1.48		1.87	
				0.98		2.43		1.48	
	-0.2707	16598	1			0.98		2.43	
			-0.2748	11398		<u>i</u>		0.98	
					-0.3798	03147			
				1		1	-0.4062	54088	

	(	Correlati	on Value	s for Pr	ovincial T	otals of	Ermine v	s Price		
<b> </b>		<del>, ,</del>	Be	tween '	1970/71 -	1993/9	4	<u></u>		
	 <del> -</del>		ļ							
Year	Ernine	Price same year	Ermine	Price 1 year out	Emine	Price 2 years out	Ermine	Price 3 years out	Ermine	Price 4 years out
1970/71	5043	0.52	5043		5043		5043		5043	
1971/72	3765	0.74	3765	0.52	3765		3765		3765	
1972/73	10133	1.03	10133	0.74	10133	0.52	10133		10133	
1973/74	5869	1.20	5869	1.03	5869	0.74	5869	0.52	5869	
1974/75	18205	0.80	18205	1.20	18205	1.03	18205	0.74	18205	0.52
1975/76	12930	0.90	12930	0.80	12930	1.20	12930	1.03	12930	0.74
1976/77	16938	1.37	16938	0.90	16938	0.80	16938	1.20	16938	1.03
1977/78	10998	1.78	10998	1.37	10998	0.90	10998	0.80	10998	1.20
1978/79	14859	3.00	14859	1.78	14859	1.37	14859	0.90	14859	0.80
1979/80	21314	2.10	21314	3.00	21314	1.78	21314	1.37	21314	0.90
1980/81	15520	1.50	15520	2.10	15520	3.00	15520	1.78	15520	1.37
1981/82	9878	2.00	9878	1.50	9878	2.10	9878	3.00	9878	1.78
1982/83	5991	2.30	5991	2.00	5991	1.50	5991	2.10	5991	3.00
1983/84	5221	2.50	5221	2.30	5221	2.00	5221	1.50	5221	2.10
1984/85	10649	2.50	10649	2.50	10649	2.30	10649	2.00	10649	1.50
1985/86	9011	3.80	9011	2.50	9011	2.50	9011	2.30	9011	2.00
1986/87	9550	2.90	9550	3.80	9550	2.50	9550	2.50	9550	2.30
1987/88	10961	3.50	10961	2.90	10961	3.80	10961	2.50	10961	2.50
1988/89	6439	2.25	6439	3.50	6439	2.90	6439	3.80	6439	2.50
1989/90	2462	2.20	2462	2.25	2462	3.50	2462	2.90	2462	3.80
1990/91	1402	2.85	1402	2.20	1402	2.25	1402	3.50	1402	2.90
1991/92	1932	3.39	1932	2.85	1932	2.20	1932	2.25	1932	3.50
1992/93	2020	5.20	2020	3.39	2020	2.85	2020	2.20	2020	2.25
1993/94	2844	6.30	2844	5.20	2844	3.39	2844	2.85	2844	2.20
				6.30		5.20		3.39		2.85
	-0.3763	23572	1			6.30		5.20		3.39
			-0.2925	73823				6.30		5.20
					-0.3999	75907		T		6.30
					<u> </u>	1	-0.5670	02917		
					ļ				-0.8431	17806
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	Cor	relation	Values fo	or Provi	ncial Tota	ils of Er	mine vs f	Price	
			Betw	een 197	/0/71 - 19	93/94			
Year	Ermine	Price 5 years out	Ermine	Price 6 years out	Ermine	Price 7 years out	Ermine	Price 8 years out	
1970/71	5043		5043		5043		5043		
1971/72	3765		3765		3765		3765		
1972/73	10133		10133		10133		10133		
1973/74	5869		5869		5869		5869		
1974/75	18205		18205		18205		18205		
1975/76	12930	0.52	12930		12930		12930		
1976/77	16938	0.74	16938	0.52	16938		16938		
1977/78	10998	1.03	10998	0.74	10998	0.52	10998		
1978/79	14859	1.20	14859	1.03	14859	0.74	14859	0.52	
1979/80	21314	0.80	21314	1.20	21314	1.03	21314	0.74	
1980/81	15520	0.90	15520	0.80	15520	1.20	15520	1.03	
1981/82	9878	1.37	9878	0.90	9878	0.80	9878	1.20	
1982/83	5991	1.78	5991	1.37	5991	0.90	5991	0.80	
1983/84	5221	3.00	5221	1.78	5221	1.37	5221	0.90	
1984/85	10649	2.10	10649	3.00	10649	1.78	10649	1.37	
1985/86	9011	1.50	9011	2.10	9011	3.00	9011	1.78	;
1986/87	9550	2.00	9550	1.50	9550	2.10	9550	3.00	
1987/88	10961	2.30	10961	2.00	10961	1.50	10961	2.10	
1988/89	6439	2.50	6439	2.30	6439	2.00	6439	1.50	
1989/90	2462	2.50	2462	2.50	2462	2.30	2462	2.00	
1990/91	1402	3.80	1402	2.50	1402	2.50	1402	2.30	
1991/92	1932	2.90	1932	3.80	1932	2.50	1932	2.50	
1992/93	2020	3.50	2020	2.90	2020	3.80	2020	2.50	
1993/94	2844	2.25	2844	3.50	2844	2.90	2844	3.80	1
		2.20	1	2.25		3.50	1	2.90	
		2.85	1	2.20		2.25	1	3.50	
		3.39	1	2.85		2.20	1	2.25	
		5.20	1	3.39		2.85		2.20	
		6.30	1	5.20	1	3.39		2.85	
			1	6.30	1	5.20	1	3.39	
	-0.8518	01543	1			6.30	1	5.20	
			-0.7324	1325	1			6.30	
			1		-0.6471	46068	1		
			1		1		-0.5895	09706	
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Appendix 3. Mink, muskrat and ermine fur return totals of selected Manitoba Registered Trapline sections

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i S U		* trappers	4	-	7	9	6	2	2	2	9	8	8	2	2		4	-	2	-	12	12	5	4		58
ne Sec		enim3	11	-	9	0	5	12	S	8	-	0	6	9	2	0	7	0	~	8	4	0			<u> </u>	6
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on for		Emine	7	0	0	n	0	0	0	0	0	e	0	0	0	0	0	0	-	2	0	0				6
roduct	978	Muskrat	37	12	3	30	113	21	17	19	18	17	55	89	30	13	25	2	4	2	18	17	 			553
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le Sect		Emine	0	8	   	S	4	0	+	21	-	10	0	8			95
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for Blo		* trappers	e	3		5	S	**	e	5	-	8	9	4			48
uction		enima	22	6	2	0	17	-	9	18	0	S	0	13	1	-	95
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Trapli	-1969	Muskrat	56	21	0	28	21	3	63	8	57	119	88	4	32	0		492
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	-1967	Muskrat	6	87	87	29	196	12	101	137	172	172	78	224	စ္တ	26		1711
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3	1982-	Mink	2	0	0	-	0	-	0	2	4	0	3		Ŧ
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	enima	14	0	2	: 2	1	24	0	-	0	2	2	1	1	1		52
1988	Muskrat	9	0	12	2	1	3	0	0	0	9	: 2		8	;		93
1987-	Mink	2	0	1	12	ł	2	0	2	0	12	2	1	3	   		31
	* trappers	S	-	2	12	2	2	-	-	-	-	2	12	8			14
	enim3	ş	2	2	0	1	14	0	4	0	0	2	0	12	0		52
1987	Muskrat	<b>D</b>	2	1	14	2	15	18	33	ឌ	<b>5</b> 8	z	148	2	20		305
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965-19	Nink		2	23	ı	0	2	,	0	Ø	-	11	8	18	E	2	18	2	8	6	11	4	17	6	9		145	262
	repper 4		-	-	2	-	. 2	1	-	-	-	8	-	-	-	-	-	-	-	-	•	-	-	-	2		20	50
2	enima	12	8	30	0	4	2	1	9	0	e	6	14	32	26	0	33	0	17	23	¥	10	8	24	23		268	596
64 Co	Muskrat	8	2	69	21	4	20	1	58	61	8	8	115	28	0	<b>4</b> 6	92	+	43	4	129	0	S	42	5		<b>93</b> 8	1511
963-19	Mink	S	9	13	2	-	0	2	9	8	e	13	12	9	9	0	15	+	~	5	1	1	8	S	-		119	200
	# trappers	-	8	-	-	-	-	2	2	-	7	-	-	-	-	2	-	-	-	-	8	-	-	-	2		55	56
*	enima	4	2	26	0	-	5	1	80	2	9	2	0	6	15	4	9	0	17	20	20	S	ო	9	æ		141	413
63 Col	Muskrat	28	15	26	R	9	0	7	32	42	29	25	2	æ	0	9	80	0	5	13	<b>\$</b>	0	0	S	0		433	759
962-19	Mink	4	7	18	6	2	3	2	9	8	7	6	6	13	8	2	14	0	=	59	1	4	9	æ	2		172	gg
•	* trappers	-	-	-	-	-	-	-	-	2	-	-	-	-	-	2	-	-	-	-	-	-	-	-	2		24	59
	enim3	S	2	9	2	9	8	0	4	4	S	Ŧ	=	=	0	0	65	0	=	23	32	0	24	9	-		221	ž
2 Con	Muskrat	88	45	85	28	0	0	28	37	26	우	4	130	~	0	0	\$	0	8	ო	19	0	0	Ø	0		458	513
31-196	Mink	9	S	21	2	2	3	7	7	~	우	31	9	13	6	Ø	33	0	6	28	73	5	52	4	-		234	289
<b>1</b>	* frappers	-	-	-	+	-	-	Ŧ	-	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8	2	37
	RTL#	27	28	29	30	31	35	ଞ	37	88	8	9	4	4	43	<b>\$</b>	47	48	49	20	25	23	\$	55	8		Sub I otals	Totals

<b></b>					_				-	-	-	-	_	_			-		-		-	-				-
		enima	2	-	0	9	6	0	8	50	4	12	9	6	12	17	0	18	15	0	15	-	S	0	-	4
	1973	<b>tenisuit</b>	8	13	62	196	625	85	6	120	2	467	8	281	168	320	-	187	160	7	8	30	395	125	2	0
	1972	Mink	13	=	4	=	8	0	8	8	2	45	3	18	62	8	e	23	19	18	5	12	Ŧ	4	17	26
		riappers 4	5	7	2	-	-	-	~	2	-	2	-	-	-	-	2	-	-	7	2	-	4	2	-	2
		enima		0	-	27	9	0	12	13	0	26	8	0	15	6	-	15	25	0	~	-	0	0	0	20
	1972	Muskrat	135	62	183	727	1721	330	647	208	500	1192	246	670	738	220	59	437	\$	128	<b>2</b> 8	57	8	ह	5	138
	1971-	Mink	15	S	-	9	26	0	8	\$	2	15	0	2	6	32	e	13	R	-	8	2	6	~	6	7
<i>section</i>		* trappers	9	8	e	-	-	2	2	8	-	7	-	-	-	-	2	-	-	7	-	-	2	~	-	2
pping S		ənim3	5	-	4	2	4	0	9	43	0	3	S	3	S	2	0	9	26	0	38	0	4	1	0	32
ain Tra	-1971	Muskrat	39	1	66	8	770	0	330	230	0	505	8	228	227	119	9	135	45	2	129	30	147	2	27	117
Mount	1970	Mink	21	4	1	5	0	0	39	41	-	15	0	2	27	24	2	6	53	4	1	<b></b>	2	17	4	28
Duck		siaqqeti #	3	1	2	-	-	-	2	4	-	2	-	-	-	•	-	1	-	2	-	-	ო	2	-	3
tion for		Ermine	18	2	6	4	47	2	33	72	5	21	9	ß	2	28	-	0	5	S	30	0	8	0	0	4
roduc	-1970	Muskrat	7	-	4	0	234	ł	50	179	8	62	20	180	164	107	85	37	9	20	45	0	29	18	ឌ	230
Furf	1969	Mink	42	t	12	1	24	z	<b>4</b> 6	45	<b>6</b>	3	9	<b>6</b>	31	35	5	0	8	19	4	9	22	24	ຂ	5
		energen #	2	-	7	-	1	2	7	2	-	3	8	-	-	-	7	-	-	2	2	1	1	-	-	2
		enim3	S	4	4	=	<b>2</b> 8	0	SS	129	z	9	15	9	\$	8	6	9	<b>5</b> 08	:	8	4	8	15	6	39
	-1669	Wuskrat	S	2	ອ	0	51	ຊ	85	<b>2</b> 8	ł	<b>1</b> 05	<b>4</b> 5	211	\$	<b>9</b>	55	13	150	8	<b>3</b> 8	3	78	0	9	113
	8961	Mink	~	9	\$	<b>1</b> 8	સ	9	17	43	2	ဗ္ဂ	6	1	21	8	=	-	53	98 9	ຊ	0	ន	;	ຊ	6
		eneqqen #	n	2	2	-	-	-	0	ო	2	e	-	-	-	-	~	-	-	2	~	-	2	-	-	-
		RTL#	-	7	ဂ	4	2	9	2	80	6	9	1	5	13	4	15	9	17	18	19	50	21	8	23	2

25   1   0   0   0   0   2   8   75   14   2   2   67   7   2   15   161   0   2   5   50   3     26   2   7   3   10   2   14   28   0   2   1   5   0   0   2   6   0   0     27   1   14   52   45   1   21   46   28   1   12   37   22   1   14   56   0   1   18   40   28     28   2   2   40   12   1   14   56   0   1   18   40   28     28   2   2   40   12   1   21   84   16   1   21   28     28   2   2   40   12   1   21   84   16   1   21   28   11     Totals   42   48   140   539   1816   375   43   364   3951   255   47   339   8927   199   48   538   3733   255		٢		-	-	-	-	-		-	-	
25     1     0     0     0     2     8     75     14     2     2     67     7     2     161     0     2     5     50       26     2     7     3     10     2     14     28     0     2     1     5     0     0     2     6     0       27     1     14     52     45     1     21     46     28     1     12     37     22     1     14     56     0     1     18     40       28     2     2     40     12     37     22     1     14     56     0     1     18     40       28     2     2     40     12     37     22     1     21     84     40     21     21     28     0     0     1     18     40     21     21     28     1     21     28     0     0     1     21     28     0     0     1     21     21     28     10     10     1     21     21			3		>	28		2			255	2
25   1   0   0   0   2   8   75   14   2   2   67   7   2   15   161   0   2   5     26   2   7   3   10   2   14   28   0   2   1   5   0   0   2   5     27   1   14   52   45   1   21   46   28   1   12   37   22   1   14   56   0   1   18     28   2   2   6   1   12   37   22   1   14   56   0   1   18     28   2   2   6   1   15   40   12   1   21   84   16   1   21     28   2   2   6   1   15   40   12   1   21   84   16   1   21     28   1   16   375   43   364   3951   255   47   339   8927   199   48   538			20	4	>	Ş	00	22			3733	
25   1   0   0   0   2   8   75   14   2   2   67   7   2   15   161   0   2     26   2   7   3   10   2   14   28   0   2   15   161   0   2     27   1   14   52   45   1   21   46   28   1   12   37   22   1   14   56   0   1     28   2   2   6   1   12   37   22   1   14   56   0   1     28   2   2   6   1   15   40   12   1   14   56   0   1     28   2   2   40   12   37   22   1   14   56   0   1     21   84   14   20   6   1   15   40   12   1   21   84   16     10als   42   48   1406   875   40   555   47   339   8927   199   48		ŀ	0	ď	>	18	2	7			538	
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25   1   0   0   0   0   2   8   75   14   2   2   67   7   2   15   161     26   2   7   3   10   2   14   28   0   2   1   9   0   1   5   0     27   1   14   52   45   1   21   46   28   1   12   37   22   1   14   56     28   2   2   0   8   1   14   20   6   1   15   40   12   1   21   84     28   2   2   0   6   1   15   40   12   1   21   84     20als   42   48   1406   875   40   539   1816   375   43   364   3951   255   47   339   8927			5	-	•	0	4	2			199	
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25   1   0   0   0   2   8   75   14   2   2   67   7   2     26   2   7   3   10   2   14   28   0   2   1   9   0   1     27   1   14   52   45   1   21   46   28   1   12   37   22   1     28   2   2   0   8   1   14   20   6   1   15   40   12   1     28   2   2   0   8   1   14   20   6   1   15   40   12   1     21   42   48   1406   875   40   539   1816   375   43   384   3951   255   47		45	2	5		4	10				338	
25   1   0   0   0   2   8   75   14   2   2   67   7     26   2   7   3   10   2   14   28   0   2   1   9   0     27   1   14   52   45   1   21   46   28   1   12   37   22     28   2   2   0   8   1   14   20   6   1   15   40   12     28   2   2   0   8   1   14   20   6   1   15   40   12     28   2   2   1   20   6   1   15   40   12     2964   375   40   539   1816   375   43   3951   255		c		-	+		-	•			4	
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25   1   0   0   0   2   8   75   14   2   2     26   2   7   3   10   2   14   28   0   2   1     27   1   14   52   45   1   21   46   28   1   12     28   2   2   0   8   1   14   20   6   1   15     28   2   2   0   8   1   14   20   6   1   15     21   42   48   1406   875   40   539   1816   375   43   364   3		67	5	D	10	5	4		-		1CA	
25   1   0   0   0   2   8   75   14   2     26   2   7   3   10   2   14   28   0   2     27   1   14   52   45   1   21   46   28   1     28   2   2   0   8   1   14   20   6   1     28   2   2   0   8   1   14   20   6   1     7   42   488   1406   875   40   539   1816   375   43   3		<u> </u>		-	ţ	2	5			100		
25   1   0   0   0   2   8   75   14   2     26   2   7   3   10   2   14   28   0   2     27   1   14   52   45   1   21   46   28   1     28   2   2   0   8   1   14   20   6   1     28   2   2   0   8   1   14   20   6   1     70als   42   488   1406   875   40   539   1816   375   43	ł	_	+	-	-	+		1			-	
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25   1   0   0   0   0   2   8   75     26   2   7   3   10   2   8   75     27   1   14   52   45   1   21   46     28   2   2   0   8   1   14   20     28   2   2   0   8   1   14   20     70als   42   488   1406   875   40   539   1816		4		>	a R	3	0			375	5	
25   1   0   0   0   2   8     26   2   7   3   10   2   14     27   1   14   52   45   1   21     28   2   2   0   8   1   14     28   2   2   0   8   1   14     7   3   100   8   1   14     7   3   100   8   1   14     7   3   100   8   1   14     7   40   539   40   539		?	00	9	46		20			1816		
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25   1   0   0   0     26   2   7   3   10     27   1   14   52   45     28   2   2   0   8     28   2   2   0   8     70   42   488   1406   875	ſ	N	ſ	4	-	·	-			Q		
25   1   0   0     26   2   7   3     27   1   14   52     28   2   2   0     28   2   2   0     7   42   488   1406	4	>	10	2	45	•	0			875		
25   1   0     26   2   7     27   1   14     28   2   2     28   2   2     Totals   42   488	4	>	~	>	22	C	>			1406		
25 1 26 2 27 1 28 2 28 2 Totals 42	G	>	-		4	ſ	V			488		
25 26 27 28 Totals	-	-	2	-	-	•	•			4		
	25	2	26		77	28	2			lotals		

Fur Poduction for Duck Mountain Trapping Section         Till #       1       3       3       6       30       11       2       7       33       160       107       107       106       107       100       10       10       10       10       10       10       10       11       2       7       100       10       10       100       10       100       10       100       10       10       100       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       11       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10 <th< th=""><th>Г</th><th></th><th></th><th></th><th>-</th><th></th><th>_</th><th>_</th><th>-</th><th></th><th></th><th>-</th><th>-</th><th></th><th>_</th><th>-</th><th>-</th><th>_</th><th>_</th><th>_</th><th></th><th>_</th><th>_</th><th>_</th><th>_</th><th></th><th>_</th></th<>	Г				-		_	_	-			-	-		_	-	-	_	_	_		_	_	_	_		_
Fur Poduction for Duck Mountain Traping Section         1972-1974       Fur Poduction for Duck Mountain Traping Section         1972-1974       1974-1975       Ter Poduction for Duck Mountain Traping Section         1972-1974       1974-1975       1974-1975       1974-1975       1974-1975       1974-1975         1974-1975       1974-1975       1974-1975       1974-1975         1974-1975       1974-1975       1974-1975         1974-1975       1974-1975         1974-1975       1974-1975         1974-1975       1974-1975         1974-1975       1974-1975         1974-1975       1974-1975         1974-1975       1974-1975         1974-1975       1974-1975         1974-1975       1974-1975         1974-1975       1974-1975         1974-1975       1974-1975         1974-197       1974-1975			ənim		g ·	200	1		- 1	. 0	55	0	0	14	9	13	9	2	39	=	0	a	2		0	7	8
Fur Production for Duck Mountain Trapping Section         1       3       True Production for Duck Mountain Trapping Section       1933-157       True Production for Duck Mountain Trapping Section         1       1       3       2       0       2       0       0       1       2       0       0       1       2       0       0       1       2       0       0       1       2       0       0       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1		1007	g tenken	Mg	300	2 9	8 <b>q</b>	127	65	7	9	22	=	110	293	464	53	61	108	4	2	10	317	609	8	9	12
Fur Pooluciton for Duck Mountain Trapping Section         187.1.87       Fur Poppers       1973-197       Teur Pooluciton for Duck Mountain Trapping Section         1       3       1       1       0       0       1       2       2       2       2       2       2       2       2       2       2       2       2       2       2       2       2       2       2       2       2       2       2       2       2       2       2       2       2       2       2       2       2       2       2       2       2       2       2       2       2       2       2       2       2       2       2       2       2       2       2       2       2       2       2       2       2       2       2       2       2       2       2       2       2       2       2       2       2       2       2       2       2       2       2       2       2       2       2       2       2       2       2       2       2       2       2		1000		W	= 0	DC	40	2	? -	-	10	m	5	~	0	28		~	80	80	0	6	4	9	0	-	9
Fur Production for Duck Mountain Trapping Section         Fur Production for Duck Mountain Trapping Section         1973-1974       1974-1975       1974-1975       1974-1975       1974-1975       1974-1975       1974-1995         1       1       3       2       2       2       2       2       2       3       1       1       7       7       3       1       1       7       7       3       1       1       7       7       3       1       1       1       0       0       1       1       0       0       1       1       0       0       1       1       0       1       1       0       0       1       1       0       0       1       1       0       0       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1 </td <th></th> <td></td> <td>trappers</td> <td>**</td> <td>10</td> <td>• -</td> <td>- 0</td> <td>• -</td> <td></td> <td>-</td> <td>9</td> <td>2</td> <td>2</td> <td>9</td> <td>2</td> <td>2</td> <td>-</td> <td>-</td> <td>-</td> <td>2</td> <td>2</td> <td>2</td> <td>2</td> <td>2</td> <td>-</td> <td>2</td> <td>-</td>			trappers	**	10	• -	- 0	• -		-	9	2	2	9	2	2	-	-	-	2	2	2	2	2	-	2	-
Fur Production for Duck Mountain Tapping Section         RTL #       1973-1974       1974-1975       Turk Wink Tapping Section         1       3       20       13       4       1       2       2       2       3       14       1       3       14       1       3       14       1       3       14       1       3       14       1       3       14       1       3       14       1       3       14       1       3       14       1       1       3       14       1       1       3       14       1       1       3       14       1       3       14       1       3       14       1       3       14       1       3       14       1       3       14       1       3       14       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1 <td< td=""><th></th><td></td><td>enim</td><td>3,0</td><td></td><td>,</td><td></td><td>20</td><td>0</td><td>-</td><td>4</td><td>0</td><td>4</td><td>2</td><td>-</td><td>8</td><td>5</td><td>-</td><td>4</td><td>19</td><td>2</td><td>0</td><td>0</td><td>0</td><td>0</td><td>8</td><td>2</td></td<>			enim	3,0		,		20	0	-	4	0	4	2	-	8	5	-	4	19	2	0	0	0	0	8	2
Fur Production for Duck Mountain Trapping Section         Fur Production for Duck Mountain Trapping Section         RTL #       TTL #       Tapping Section         1973-1974       1974-1975       1974-1975         1       1       1       0       0       1       2       0         1       1       1       0       0       1       3       8       Winskratt         1       1       0       0       1       3       6       30       11       2       7       9       22       2       1       7       1       7       7       2       2       1       1       0       7       1       2       7       1       2       7       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1<		<b>ARG</b>	jenjsni	N E	3 ~	. 0	0	8	4	13	4	5	Ş	946	13	69	29	12	15	47	2	2	6	62	6	5	16
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17	2	11	16	4	2	4	3	14	1	10	1	1	1	3	0	0	1	0	0	0
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	1968-1	AniM	4	12	9	-	6	-	2	13	13	=	-	ę	38	9	-	0	0	5	5			216
		* trappers	6	2	3	9	2	S	0	-	-	9	-	S	2	0	9	6	-	-	2			50
		enim3	0	2	0	5	0	-	-	0	2	=	-	-	12	6	4	0	0	0	0	0		45
	1968	Muskrat	82	2	0	103	0	35	8	0	0	135	ह	<b>8</b>	ł	15	97	15	35	5	2	0		670
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or Hole		# trappers	e	-	2	2	2	3	ი	-	2	ო	3	4	z	4	m	-	-	2	8	-		39
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	enim3	11	0	2	2	0	2	0	2	-	0	2	2	S	0	2	e	z	i	1	1	2		8
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	1989	Mink	2	2	2	-	0	2	9	•	0	9	7	-	8	9	3	0	2	47	-	20		119	
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2	4	33	92	12	4	29	110	20	5	26	384	241	6	99	662	27	5	20	721	60
3	4	58	184	11	6	28	184	25	4	15	398	30	8	17	914	43	8	8	1022	63
4	6	36	44	35	5	18	124	10	4	6	155	6	2	5	127	7	5	6	528	21
5	9	23	19	19	6	28	27	17	6	11	57	6	8	6	284	36	8	20	458	37
6	3	11	17	24	5	12	4	21	5	11	83	10	3	3	140	6	2	6	150	4
7	1	47	21	25	2	16	16	18	2	2	107	22	6	30	320	17	4	7	218	35
8	1	0	0	0	1	7	2	22	1	0	0	0	~	~	~	~	1	0	20	0
9	5	54	170	55	5	17	72	25	4	13	205	21	4	11	298	55	3	12	408	49
10	12	42	103	17	9	22	155	11	9	13	186	8	6	5	126	3	7	12	372	10
11	7	33	131	29	9	19	166	16	9	20	279	17	3	19	106	12	5	17	523	16
12	5	10	136	15	7	35	132	25	7	18	227	10	7	23	610	20	6	26	384	19
13	4	18	67	7	3	12	8	3	3	11	167	4	3	9	234	12	3	11	311	15
14	1	1	33	4	3	9	105	11	3	8	69	5	1	0	74	6	1	4	93	10
15	3	13	14	10	3	28	102	17	4	3	98	5	1	1	68	8	1	2	99	1
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17	1	2	31	0 ·	~	~	~	~	2	9	148	15	3	7	383	15	1	1	74	4
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		* trappers	-	6	9	2	3	-	7	8	S	8	2	4	9	-	-	2	9	+	-		65
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		enima	12	5	18	2	3	4	9	2	9	9	9	~	S	6	ຕ	24	7	2	6		153
	1967	Muskrat	8	506	635	223	289	81	221	2	216	65	240	290	272	109	79	661	551	2	109		4613
	1966-1	AniM	3	13	31	S	17	2	32	2	:	12	8	4	17	4	9	41	21	2	4		258
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	1982	Muskrat	15	12		2	39	8	2	2	149	S	20	-	-	0	e	1	31	101	2	2		460
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Appendix 4. Intra- and interspecific correlation coefficients calculated for mink, muskrat and ermine fur return totals of selected Manitoba Registered Trapline sections

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	Year	20/10	62/63	63/64	64/65	65/66	66/67	67/68	68/69	69/70		2/1/2	51121		14/10	15/76	10/17	11/18	78/79	79/80	80/81

81/82	39		39		39		39		39	315	39	496	39	559	39	120
82/83	81	39	81		81	1	81		81		81	315	81	496	81	559
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84/85	192	182	192	81	192	39	192		192		192		192		192	315
85/86	76	192	76	182	76	81	76	39	76		76		76		76	
86/87	305	76	305	192	305	182	305	81	305	39	305		305		305	
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87/88	52	52	52	83	52	24	52	9	52	36	52	54	52	<u>†</u>	52	
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	Year	61/62	62/63	63/64	64/65	65/66	66/67	67/68	68/69	69/70	70/71	71/72	72/73	73/74	74/75	75/76	76/77	77/78	78/79	79/80	80/81	

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86/87	23	305	23	78	23	182	23	81	23	39	23		23		23	1	23	
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87/88	272	183	272	161	272	73	272		272		272		272		272	
88/89	147	272	147	183	147	161	147	73	147		147		147		147	
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91/92	74		74	135	74	147	74	272	74	183	74	161	74	73	74	
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93/94	46	122	46	74	46		46	135	46	147	46	272	46	183	46	161
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ection	Muskrat 6 years out							729	828	1711		2436	1297		1406	1816	3951	8927	3733	579	2086
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87/88	287	360	287	209	287	370	287	1	287		287		287		287	
88/89	244	287	244	360	244	209	244	370	244		244		244		244	
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		Year	61/62	62/63	63/64	64/65	65/66	66/67	67/68	69/69	69/70	70/71	71/72	72/73	73/74	74/75	75/76	76/77	77/78	78/79	79/80	80/81	81/82

20										370	209	360	200	107		8		139	107	52		5602	
	100		DVAL	2835	1920	17.21	23/		437	216	638						_					0.541	
	+	+							370	209	360	287	AAC		5	120	200	107	52		1251		
	1005	0601	DURI	CSR7	1920	1171	23/		2	216	638					+					0.8766		ĺ
		+	+	-				220	B	2000	287	244	Ba		130	20	5	52		545			
	100K	1070	19/01	2933	1920	1171	107		131	216	638			+-	+		+			0.2092!			
	+	+	+	+	-	02.0			2	287	244	28		201	201	20	-+ 		198				
	1995	1070	10/01 2025	1000	1747	727	3	107		216	638								0.3591				
+	+				20			36		44	2		39	07	2			S					
-	395	020	995	000	247 3	237		127		2	638							.38822					
+			+-			2 2	2			•	_	62	17	2	+	9						_	
	995	970	935	920 3	217 2	37 3	5 6	137 2	10	2	38	¥	¥	0	<u> </u>	0.69348						-	
+			0								9	2					ŀ	-	_			-	
	5	0	5 37	0 20	7 36	7 28	24	R	5		130	5	52	 	98094								
-	196	197	293	192	121	23		43	210		63				0.3	 		-	_			_	
	Ι	370	209	360	287	244	2		130	8	201	52		8731							1		
	1995	1970	2935	1920	1217	237		437	21A		929			-0.028									
	370	209	360	287	244	2		139	107	2	20		_	30034				+					
	1995	1970	2935	1920	1217	237		437	216	000	820			0.0458				+					
33/84	84/85	35/86	96/87	82//88	38/89	99/90	90/91	31/92	32/93	TWC									-				
	3/84	3/84 3/10 1995 1995 1995 1995 1995 1995 1995 19	3/84 3/10 1995 1995 1995 1995 1995 1995 1995 19	3/84 5 1995 370 1995 1995 1995 1995 1995 1995 1995 199	3/04 195 370 1995 1995 1995 1995 1995 1995 1995 199	3/04 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995	3/64 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995	3/04 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995	3/64 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995	3/84 1 9/85 1 9/95 1 9/95 1 9/95 1 9/95 1 9/95 1 9/95 1 9/95 1 9/95 1 9/95 1 9/95 1 9/95 1 9/95 1 9/95 1 9/95 1 9/95 1 9/95 1 9/95 1 9/95 1 9/95 1 9/95 1 9/95 1 9/95 1 9/95 1 9/95 1 9/95 1 9/95 1 9/95 1 9/95 1 9/95 1 9/95 1 9/95 1 9/95 1 9/95 1 9/95 2 9/95 2 9/95 2 9/95 2 9/95 2 9/95 2 9/95 2 9/95 2 9/95 2 9/95 2 9/95 2 9/95 2 9/95 2 9/95 2 9/95 2 9/95 2 9/95 2 9/95 2 9/95 2 9/95 2 9/95 2 9/95 2 9/95 2 9/95 2 9/95 2 9/95 2 9/95 <t< td=""><td>3/84     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1</td><td>3/64     1     965     1     995     1     995     1     995     1     995     1     995     1     995     1     995     1     995     1     995     1     995     1     995     1     995     1     995     1     995     1     995     1     995     1     995     1     995     1     995     1     995     1     995     1     995     1     995     1     995     1     995     1     995     1     995     1     995     1     995     1     995     1     995     1     995     1     995     1     995     1     995     1     995     1     995     1     995     1     995     1     995     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1</td><td>3184     510     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995</td><td>3164 1965 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995</td><td>3164     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     <th< td=""><td>3164     510     1395     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995</td><td>3164 310 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995</td><td>3164     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1</td><td>3164     510     510     510     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     19</td><td>3184     510     595     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1</td><td>3184     5370     1985     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     <th< td=""><td>3184     5370     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     <th< td=""><td>3164     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1</td></th<></td></th<></td></th<></td></t<>	3/84     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1	3/64     1     965     1     995     1     995     1     995     1     995     1     995     1     995     1     995     1     995     1     995     1     995     1     995     1     995     1     995     1     995     1     995     1     995     1     995     1     995     1     995     1     995     1     995     1     995     1     995     1     995     1     995     1     995     1     995     1     995     1     995     1     995     1     995     1     995     1     995     1     995     1     995     1     995     1     995     1     995     1     995     1     995     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1	3184     510     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995	3164 1965 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995	3164     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995 <th< td=""><td>3164     510     1395     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995</td><td>3164 310 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995</td><td>3164     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1</td><td>3164     510     510     510     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     19</td><td>3184     510     595     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1</td><td>3184     5370     1985     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     <th< td=""><td>3184     5370     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     <th< td=""><td>3164     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1</td></th<></td></th<></td></th<>	3164     510     1395     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995	3164 310 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995	3164     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1	3164     510     510     510     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     19	3184     510     595     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1	3184     5370     1985     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995 <th< td=""><td>3184     5370     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     1995     <th< td=""><td>3164     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1   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	Mink 7 years out								82	2		-	68	81	216	76	38	109		24	32	48
	Mink	82	74			68	81	216	76	38	109		24	32	48	133	35				48	4
ю	Mink 6 years out							82	74			89	81	216	76	38	109		24	32	48	133
ne Secti	Mink	82	74			68	81	216	76	38	109		24	32	48	133	35				48	4
r Trapli	Mink 5 years out						82	74			68	81	216	76	38	109		24	32	<b>4</b> 8	133	35
ole Rive	Mink	82	74			68	<b>8</b> 1	216	76	38	109		24	32	48	133	35				48	44
from H	Mink 4 years out			<u></u>		82	74		k   	68	81	216	76	38	109		24	32	48	133	35	
for Mink	Mink	82	74			68	81	216	76	38	109		24	32	48	133	35				<b>4</b>	44
Values	Mink 3 years out				82	74			68	81	216	26	38	109		24	32	48	133	35		
elation	Mink	82	74		1	68	81	216	76	38	109		24	32	<b>4</b> 8	133	35				48	4
Con	Mink 2 years out			82	74			68	81	216	92	38	109		24	32	<b>4</b> 8	133	35			
	Mink	82	74			89	81	216	76	38	<b>6</b>		24	32	48	133	35				<b>4</b>	4
	Mink 1 year out		82	74			89	8	216	28	38	109		24	32	48	133	35				<b>4</b> 8
	Mink	82	4			88	8	216	76	88	<b>109</b>		2	33	48	133	35				<b>8</b>	4
	Year	02/03	63/64	64/65	65/66	66/67	67/68	68/69	69/70	10/11	71/72	72/73	73/74	74/75	15/76	16/17	8////	18/79	79/80	80/81	81/82	82/83

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		Muskrat 7 years out							+-	384	1195		+	967	670	527	760	604	2	5	390	1288
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tion		Muskrat 6 years out							384	1195			967	670	527	760	<b>604</b>	3		390	1288	1071
line Sec		Muskrat	384	1195			967	673	527	760	604	3		390	1288	1071	652	122				494
ver Trap		huo ziesų č teikeum						384	1195		<u> </u>	967	670	527	760	604	S		390	1288	1071	652
Hole Riv		Muskrat	<b>38</b>	1195			967	670	527	760	604	\$	-	390	1288	1071	652	122				494
at from		Muskrat 4 years out			   :		384	1195			967	670	527	760	604	8		390	1288	1071	652	122
r Muskr		Muskrat	384	1195		-	967	670	527	760	604	Ş		390	1288	1071	652	122				494
alues fo		Muskrat 3 years out				384	1195		L	967	670	527	760	<b>8</b> 0	ह		390	1288	1071	652	122	
ation V		Muskrat	384	1195	   		967	670	527	760	604	ষ্ঠ		390	1288	1071	652	122				494
Corre		Muskrat 2 years out			384	1195			967	670	527	760	604	8		390	1288	1071	652	122		
		Muskrat	384	1195			967	670	527	760	<b>6</b> 64	\$		390	1288	1071	.652	122				494
		Muskrat 1 year out		384	1195			967	670	527	760	<b>§</b>	S		<b>390</b>	1288	1071	652	122			
		Muskrat	<b>4</b> 05	1195			967	670	527	760	<b>6</b> 0	न्न		390	1288	1071	652	122				494
		Year	20703	63/64	64/65	65/66	66/67	67/68	68/69	69/70	70/71	71/72	72/73	73/74	74/75	75/76	76/77	77/78	78/79	79/80	80/81	81/82

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796 122		960		-	296		296	494	296	623	296	237	296	504	296	85/86
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		ənim	38	113	2		2	<b>4</b>	144	6		30	8	8	75	72	147	4				28	23
tion		imine 6 years out	3	+					83	113			72	45	4	8	0	30	<u> </u>	43	75	72	147
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tole Riv	· ·	ənim	38	113			72	45	144	6	0	30		43	75	22	147	14				59	23
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lation V		ənima	83	113			72	45	144	6	0	30		43	75	72	147	14				59	23
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84/85	45	4	45	23	45	59	45		45		45		45	14	45	147
85/86	59	45	59	4	59	23	59	59	59	1	59		59	11-	59	14
86/87	51	59	51	45	51	4	51	23	51	59	51		51	1	51	
87/88	25	51	25	59	25	45	25	4	25	23	25	59	25		25	
88/89	20	25	20	51	20	59	20	45	20	4	20	23	20	59	20	
89/90	19	20	19	25	19	51	19	59	19	45	19	4	19	23	19	59
90/91		19		20		25		51		59		45		4		23
91/92	30		30	19	30	20	30	25	30	51	30	59	30	45	30	4
92/93	3	30	3		3	19	3	20	3	25	3	51	3	59	3	45
93/94	0	3	0	30	0	1	Ō	19	0	20	0	25	0	51	0	59
	1	0		3		30		-		19		20		25	-	51
			-	0		3		30				19		20		25
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	Muskrat 8 years out						:			384	1195			967	670	527	760	604	34		390
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				-	-	-		-		2	F							-	-		8
	Musicat 7 years out								38	119			98	670	527	780	ğ	8		390	128
	Mink	82	74			88	81	216	78	<b>8</b> 8	109		24	32	<b>8</b> 4	133	35				48
	Muskrat 6 years out					+		384	1195			967	670	527	760	<b>8</b> 6	S		390	1288	1071
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le		_		$\square$			ļ _		1				-		-						
[rapli	Muskrat 5 years out						384	1195			967	670	527	760	20	Ş		390	1288	1071	652
River	Mink	82	74			68	81	216	76	38	109		24	32	48	133	35				48
뽕		_		-		F		i							-	<u> </u>	-				
HWO	Muskrat 4 years out					384	1195			967	670	527	760	604	S		390	1288	1071	652	122
skrat fr	Mink	82	74			<b>68</b>	81	216	76	38	<b>109</b>		24	32	<b>8</b>	133	35				48
Z		-		<u> </u>	<u> </u>	10	<u> </u>	<u> </u>				ļ				<u> </u>	-	-			
k vs	Muskrat 3 years out				384	119			967	670	527	760	604	र्ष्ठ		390	1286	1071	652	122	
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1788	1071		700	2				404	623	237	504	296		351	34				<b></b>	57	200		0708
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44	17	28			FG	52	5	F		42	9	13							0.410		:		
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		Mink	82	24	•		68	<b>.</b>	218	2 %	38	109		24	32	<b>4</b> 8	133	35				48	\$
		Emine 7 years out								83	113			72	45	144	6	0	30		43	75	72
		Mink	82	74	:		88	8	216	78	88	109		24	32	48	133	35				48	4
		Emine 6 years out			+				83	113	 !  !		72	45	44	6	0	30		43	75	72	147
ection		Mink	82	74			89	81	216	76	38	109		24	32	<b>4</b> 8	133	35				48	44
rapline S		fimine 5 years out						83	113			72	45	44	6	0	30		43	75	72	147	14
River T		Mink	82	74			68	81	216	76	8	109		24	32	48	133	35				<b>4</b> 8	4
m Hole		tuo zissy 4 suim3					83	113		-	72	45	144	6	0	30		43	75	72	147	14	
mine fro		Mink	82	74			88	81	216	76	ඝ	109		24	32	<b>4</b> 8	133	35				48	4
nk vs Er		Emine 3 years out	-			83	113			72	45	144	6	0	8		43	75	72	147	14		
s for Mi		Mink	83	74		1	<b>68</b>	81	216	76	88	109		24	8	48	133	35				48	4
n Value		Ermine 2 years out			83	113			72	45	<b>1</b>	6	0	30		43	75	72	147	4			
orrelatio		Mink	82	74			68	81	216	76	<b>38</b>	109		24	32	<b>4</b> 8	133	35				8	4
ŏ		Ermine 1 year out		83	113			72	45	144	6	0	8		43	75	2	147	14				59
		Mink	8	2			68	81	216	76	<b>8</b>	109		54	32	<b>4</b> 8	133	35				48	4
	<u>.</u>	9nim3	83	113			72	45	144	6	0	8		43	75	2	147	4				59	23
		Mink	82	2			89	8	216	76	38	<b>6</b> 9		24	32	48	133	35				<b>4</b> 8	4
		Year	62/63	63/64	64/65	65/66	66/67	67/68	68/69	69/70	70/71	71/72	72/73	73/74	74/75	15//6	76/77	8/1/1	78/79	79/80	80/81	81/82	82/83

83/84	17	4	17	23	17	59	17		17	T	17		17	14	17	147	17	72
84/85	28	45	28	4	28	23	28	59	28		28		28		28	14	28	147
85/86	40	59	40	45	40	4	40	23	40	59	40		40		40		40	14
86/87	44	51	44	59	44	45	44	4	44	23	44	59	44		44		44	
87/88	57	25	57	51	57	59	57	45	57	4	57	23	57	59	57		57	
88/89	34	20	34	25	34	51	34	59	34	45	34	4	34	23	34	59	34	
89/90	44	19	44	20	44	25	44	51	44	59	44	45	44	4	44	23	44	59
90/91			1	19	1	20		25		51		59		45		4		23
91/92	42	30	42		42	19	42	20	42	25	42	51	42	59	42	45	42	4
92/93	6	3	6	30	6		6	19	6	20	6	25	6	51	6	59	6	45
93/94	13	0	13	3	13	30	13		13	19	13	20	13	25	13	51	13	59
				0		3		30				19	1	20		25		51
						0		3	1	30	}		-	19		20	-	25
	0.72	1129	0.158	99857	}			0		3	1	30				19		20
					0.170	07215				0		3		30				19
		•					0,529	0623				0		3		30		
	{								0,473	35301				0		3		30
											0.313	38215				0		3
	}						<u> </u>						0.09	78592				0
															-0.22	65643		
						{											0.490	00521

		·		Co	prrelation	Values	for Mus	krat vs	Ermine	from Ho	le River	Traplin	e Sectio	n				
Year	Muskrat	Ermine	Muskrat	Ermine 1 year out	Muskrat	Ermine 2 years out	Muskrat	Ermine 3 years out	Muskrat	Emine 4 years out	Muskrat	Ermine 5 years out	Muskrat	Ermine 6 years out	Muskrat	Ermine 7 years out	Muskrat	Ermine 8 years out
62/63	384	83	384		384		384		384		384		384		384		384	
63/64	1195	113	1195	83	1195		1195		1195		1195		1195		1195		1195	
64/65				113		83			-						-			
65/66						113		83										
66/67	967	72	967		967		967	113	967	83	967		967		967		967	
67/68	670	45	670	72	670		670		670	113	670	83	670		670		670	
68/69	527	144	527	45	527	72	527		527		527	113	527	83	527		527	
69/70	760	9	760	144	760	45	760	72	760		760		760	113	760	83	760	
70/71	604	0	604	9	604	144	604	45	604	72	604		604		604	113	604	83
71/72	34	30	34	0	34	9	34	144	34	45	34	72	34		34		34	113
72/73				30		0		9		144		45		72				
73/74	390	43	390		390	30	390	Ō	390	9	390	144	390	45	390	72	390	
74/75	1288	75	1288	43	1288		1288	30	1288	0	1288	9	1288	144	1288	45	1288	72
75/76	1071	72	1071	75	1071	43	1071		1071	30	1071	0	1071	9	1071	144	1071	45
76/77	652	147	652	· 72	652	75	652	43	652		652	30	652	0	652	9	652	144
77/78	122	14	122	147	122	72	122	75	122	43	122		122	30	122	0	122	9
78/79	1			14		147		72		75		43	-+			30		Ō
79/80						14	-	147	} /	72	~	75		43				30
80/81	1							14		147		72		75		43		•• •• •
81/82	494	59	494		494		494		494	14	494	147	494	72	494	75	494	43
82/83	623	23	623	59	623		623	• • • •	623		623	14	623	147	623	72	623	75

- 72	147	77				20	23	•	45	20	5	25		9	2	30	m	0	 	96195
237	202	206	See .	351	54	2		6	22	200		-	-	-					 	0.25
147	14				59	3	4	45	28	51	25	20	þ	2	8	3	0		1017	
237	504	206	Sec.	351	15	4		~	57	200									0.284	
14	+			59	23	4	45	59	51	25	50	19		8	6	0		5085		
237	504	296	862	351	15	4		6	57	200								0.489		
			59	23	4	45	59	51	25	20	19		30	m	0		3263			
237	504	296	862	351	15	14		e	57	200							-0.101			
	-	59	23	4	45	<b>2</b> 9	51	25	20	19		30	6	0		467				
237	504	296	862	351	15	4		e	57	200	+			1		0.019				
	59	23	4	45	59	51	25	20	19		30	<b>6</b>	0		4682					
237	504	296	862	351	15	14		e	57	200					-0.072					
59	23	4	45	59	51	25	20	19		30	3	0		7186						
237	504	296	862	351	15	14		ຕ	57	200		-		0.314						
23	4	45	<b>2</b> 8	51	25	20	19		30	3	0		3986							
237	504	296	862	351	15	14		3	57	200			0.346							
4	45	59	51	25	20	19		စ္တ	3	0			1581							
237	56	296	862	351	15	4		9	57	200			0.510							-
83/84	84/85	85/86	86/87	87/88	88/89	06/68	90/91	91/92	92/93	93/94										
-	_		-	-	_															
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Solution        Solution        Solution        Solution        Solution        Solution        Solution        Solution        Solution        Solution        Solution        Solution        Solution        Solution        Solution        Solution        Solution        Solution        Solution        Solution        Solution        Solution        Solution        Solution        Solution        Solution        Solution        Solution        Solution        Solution        Solution        Solution        Solution        Solution        Solution        Solution        <th< th=""><th>Year        Mink 5 years out          6162        191        Mink 7 years out          6162        191        Mink 7 years out          6162        191        Mink 7 years out          6162        191        Mink 7 years out          6162        191        Mink 7 years out          6162        191        Mink 7 years out          6162        191        Mink 6 years out          6162        191        Mink 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83/84	873	1689	873	674	873		873		873	674	873	308	873	515	873	1553
84/85	1211	873	1211	1689	1211	674	1211		1211		1211	674	1211	308	1211	515
85/86	521	1211	521	873	521	1689	521	674	521		521		521	674	521	308
86/87	1415	521	1415	1211	1415	873	1415	1689	1415	674	1415		1415		1415	674
87/88	993	1415	993	521	993	1211	993	873	993	1689	993	674	993		993	
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ection	Emine 6 years out							359	582	421		411	125	178	72	51	15	85	125	122	405	207
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nnet Tra	Ermine 5 years out					   	359	582	421		411	125	178	72	51	15	85	125	122	405	207	431
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ues for	Ermine 3 years out				359	582	421		411	125	178	2	51	15	82	125	122	405	207	431	30	415
tion Val	enima	359	582	421		411	125	178	72	51	15	85	125	122	405	207	431	30	415			253
Correla	Ermine 2 years out			359	582	421		411	125	178	72	51	15	85	125	122	405	207	431	8	415	
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fimine 7 years out					+			369	582	421		411	125	178	72	51	15	85	125	122	405
Mink	191	303	186		<b>1</b> 00	161	208	184	161	2	176	8	8	112	196	349	53	490			233
tuo <b>sies</b> y 8 anim3						<u> </u>	359	582	421		411	125	178	72	51	15	85	125	122	405	207
Mink	191	303	186		106	161	208	181	161	74	176	8	80	112	<b>198</b>	349	53	490			233
Ermine 5 years out			   			359	582	421	;	411	125	178	72	51	15	85	125	122	405	207	431
Mink	191	303	186		106	161	208	184	161	74	176	8	60	112	<b>196</b>	349	53	490			233
Emine 4 years out					359	582	421		411	125	178	72	51	15	85	125	122	405	207	431	30
Mink	191	303	186		106	161	208	184	161	74	176	8	60	112	196	349	53	490			233
Emine 3 years out				359	582	421		411	125	178	72	51	15	85	125	122	405	207	431	30	415
Mink	191	303	186		106	161	208	184	161	74	176	8	80	112	196	349	53	490	   		233
 Emine 2 years out			359	582	421		411	125	178	72	51	15	85	125	122	405	207	431	30	415	
Mink	191	303	186		106	161	208	184	161	74	176	8	99	112	<b>196</b>	349	53	490			233
Emine 1 year out		359	582	421		411	125	178	72	51	15	85	125	123	<b>6</b> 5	207	431	30	415		
Mink	191	303	186		106	161	208	184	161	2	176	8	8	112	<b>196</b>	349	23	490			233
enima	359	582	421		411	125	178	72	51	15	85	125	122	405	207	431	30	415			253
Mink	191	303	186		106 1	161	208	<b>2</b>	161	2	176	8	8	112	196	349	53	490			233
Year	61/62	62/63	63/64	64/65	65/66	66/67	67/68	69/89	69/70	12/02	71/72	72/73	73/74	74/75	75/76	76/77	8///2	78/79	79/80	80/81	81/82

82/83	173	106	173	253	173		173		173	415	173	30	173	431	173	207	173	405
83/84	141	110	141	106	141	253	141		141		141	415	141	30	141	431	141	207
84/85	85	197	85	110	85	106	85	253	85		85		85	415	85	30	85	431
85/86	126	216	126	197	126	110	126	106	126	253	126		126		126	415	126	30
86/87	137	153	137	216	137	197	137	110	137	106	137	253	137		137	[	137	415
87/88	230	270	230	153	230	216	230	197	230	110	230	106	230	253	230	1	230	
88/89	245	189	245	270	245	153	245	216	245	197	245	110	245	106	245	253	245	1
89/90	119	77	119	189	119	270	119	153	119	216	119	197	119	110	119	106	119	253
90/91				77	<u> </u>	189	'	270		153		216		197	,,	110		106
91/92	186	109	186		186	77	186	189	186	270	186	153	186	216	186	197	186	110
92/93	45	16	45	109	45		45	77	45	189	45	270	45	153	45	216	45	197
93/94	67	108	67	16	67	109	67		67	77	67	189	67	270	67	153	67	216
				108		16	'	109				77		189	1	270		153
			1		· T	108		16	, , , , , , , , , , , , , , , , , , , ,	109	1	1		77	, <b></b>	189		270
	0.597	/5195	0,07/	44436	í []		1	108	,	16		109		1	, <b></b>	77	1	189
				]	0.55	55621	-			108		16		109	·			77
							0.04f	38187	, T		· [ · ·	108		16		109		
						1	······································	{	0.276	36633		[		108		16		109
					i I		1		, T;	{	-0.10	51306		1		108		16
					í I				, , , , , , , , , , , , , , , , , , , ,	ſ	1	1	-0.10	1628	1	[]	1	108
					· '				, ,	[ ]					-0.13	05194		
								(	, _ [		· · · · · · · · · · · · · · · · · · ·	[		( T	1		-0.42	74098

1	tuo zisey 8 enim3									359	582	121		111	125	178	22	51	15	85	125	
	jersizuM	215	850	1220		501	497	233	428	590	545	303	692	728	2381	1553	515	308	674		<u>}</u> −-	
	Ermine 7 years out								359	582	421		411	125	178	72	51	15	85	125	122	
	jeniauM	215	850	1220		501	497	233	428	590	545	303	692	728	2381	1553	515	308	674			
	Emine 6 years out			     			   	359	582	421		411	125	178	72	51	15	85	125	122	405	
	Muskrat	215	850	1220		501	497	233	428	590	545	303	692	728	2381	1553	515	308	674			
	tuo ansay è anim3						359	582	421		411	125	178	72	51	15	85	125	122	405	207	
	<b>Auskrat</b>	215	850	1220		501	497	233	428	590	545	303	692	728	2381	1553	515	308	674			
	tuo arsay 4 anim3		   			359	582	421	: : :	411	125	178	72	51	15	85	125	122	405	207	431	
	Muskrat	215	850	1220		501	497	233	428	590	545	303	692	728	2381	1553	515	308	674		: ; ; ;	
	Emine 3 years out				359	582	421		411	125	178	72	51	15	85	125	122	405	207	431	30	1
	Muskrat	215	850	1220		501	497	233	428	590	545	303	692	728	2381	1553	515	308	674			
	Emine 2 years out			359	582	421		411	125	178	22	51	15	85	125	122	405	207	431	8	415	
	ten/suM	215	850	1220		501	497	233	428	<b>290</b>	545	303	692	728	2381	1553	515	308	674			
	Emine 1 year out		359	582	421		411	125	178	72	51	15	85	125	122	405	207	431	30	415		
	Muskrat	215	850	1220		501	497	233	428	590	545	303	692	728	2381	1553	515	308	674			
	Emine	359	582	421		411	125	178	72	51	15	85	125	122	405	207	431	30	415			
	jerkrat	215	850	1220		501	497	233	428	590	545	303	692	728	2381	1553	515	308	674			
	Year	61/62	62/63	63/64	64/65	65/66	66/67	67/68	68/69	69/70	70/71	71/72	72/73	73/74	74/75	75/76	76/77	77/78	78/79	79/80	80/81	

82/83	1689	106	1689	253	1689		1689		1689	415	1689	30	1689	431	1689	207	1689	405
83/84	873	110	873	106	873	253	873		873		873	415	873	30	873	431	873	207
84/85	1211	197	1211	110	1211	106	1211	253	1211		1211		1211	415	1211	30	1211	431
85/86	521	216	521	197	521	110	521	106	521	253	521		521		521	415	521	30
86/87	1415	153	1415	216	1415	197	1415	110	1415	106	1415	253	1415		1415		1415	415
87/88	993	270	993	153	993	216	993	197	993	110	993	106	993	253	993		993	
88/89	128	189	128	270	128	153	128	216	128	197	128	110	128	106	128	253	128	
89/90	62	77	62	189	62	270	62	153	62	216	62	197	62	110	62	106	62	253
90/91				77		189		270		153		216		197		110		106
91/92	293	109	293		293	77	293	189	293	270	293	153	293	216	293	197	293	110
92/93	98	16	98	109	98		98	77	98	189	98	270	98	153	98	216	98	197
93/94	1186	108	1186	16	1186	109	1186		1186	77	1186	189	1186	270	1186	153	1186	216
				108		16		109				77		189		270		153
						108		16		109				77		189		270
	0.277	0678	0.11	31368				108		16		109				77		189
				ļ	-0.14	55967				108		16		109		]		77
							-0.21	59779				108		16		109		
									-0.29	03469				108		16		109
											-0,382	22809				108		16
												-	-0.03	91368				108
															-0.15	37565		
																	0.113	6011

<b>1</b>							-			_		-						_				r	
		Mink 8 years out									527	387	228	267	171	258	359	446	108			88	39
		Mink	527	387	228	267	121	258	359	<b>44</b> 6	108			88	39	<b>99</b>	38	169			 		2
		Mink 7 years out								527	387	228	267	171	258	359	446	<u>1</u> 08			88	39	66
		Mink	527	387	228	267	171	258	359	448	108			88	38	8	88	169					94
Section		Mink 6 years out							527	387	228	267	171	258	359	446	<b>108</b>			88	39	98	38
apline S		Mink	527	387	228	267	171	258	359	446	108			8	39	99	38	169					94
apids Tr		Mink 5 years out						527	387	228	267	171	258	359	446	108		 	88	39	99	38	169
Srand R	 	Mink	527	387	228	267	171	258	359	<b>46</b>	108			88	39	<b>99</b>	38	169		 	 		94
) Little C		Mink 4 years out					527	387	228	267	171	258	359	446	108	   		88	39	99	38	169	
link fron		Mink	527	387	228	267	171	258	359	446	108			88	39	99	38	169					94
es for M		Mink 3 years out				527	387	228	267	171	258	359	446	108			88	39	99	38	169		
on Valu		Mink	527	387	228	267	171	258	359	<b>46</b>	108			88	39	<b>9</b> 9	88	169					94
Correlati		Mink 2 years out			527	387	228	267	171	258	359	446	108			88	39	99	38	169			
		Mink	527	387	228	267	171	258	359	446	108			88	39	<b>9</b> 9	38	169					8
		Mink 1 year out		527	387	228	267	171	258	359	446	108			88	39	99	38	169				
		Mink	527	387	228	267	171	258	359	446	108			88	39	99	38	169					2
		Year	61/62	62/63	63/64	64/65	65/66	66/67	67/68	68/69	69/70	70/71	71/72	72/73	73/74	74/75	75/76	76/77	77/78	78/79	79/80	80/81	81/82

82/83	44	94	44		44		44		44		44	169	44	38	44	66
83/84	20	44	20	94	20		20		20	[	20		20	169	20	38
84/85	24	20	24	44	24	94	24		24		24		24		24	169
85/86	50	24	50	20	50	44	50	94	50		50		50		50	
86/87	45	50	45	24	45	20	45	44	45	94	45		45		45	
87/88	122	45	122	50	122	24	122	20	122	44	122	94	122		122	
88/89	26	122	26	45	26	50	26	24	26	20	26	44	26	94	26	
89/90	19	26	19	122	19	45	19	50	19	24	19	20	19	44	19	94
90/91		19	1	26		122	1	45		50		24		20	1	44
91/92	34		34	19	34	26	34	122	34	45	34	50	34	24	34	20
92/93	9	34	9		9	19	9	26	9	122	9	45	9	50	9	24
		9		34		11-		19		26	-	122		45		50
	1			9		34	- ]		-	19		26	-	122	1	45
	0.74	47957	1			9	}	34				19		26		122
	1		0.603	30774			}	9		34	1			19	1	26
			-		0.590	08252		1		9		34				19
							0.48	15148	-	1		9		34		
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	1	1		[]				[]		[[-			0.570	5287		
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		Muskrat 8 years out									1292	1759	3832	5279	6555	4613	2271	1512	612	!		369
		Muskrat	1292	1759	3832	5279	6555	4613	2271	1512	612			369	424	1708	1107	448				
		Muskrat 7 years out								1292	1759	3832	5279	6555	4613	2271	1512	612			369	424
ļ		Muskrat	1292	1759	3832	5279	6555	4613	2271	1512	612			<b>369</b>	424	1708	1107	448				
e Secto		Muskrat 6 years out							1292	1759	3832	5279	6555	4613	2271	1512	612			369	424	1708
Traplin	•	Muskrat	1292	1759	3832	5279	6555	4613	2271	1512	612			369	424	1708	1107	448				
Rapids	•	Muskrat 5 years out						1292	1759	3832	5279	6555	4613	2271	1512	612			369	424	1708	1107
e Grand		Muskrat	1292	1759	3832	5279	6555	4613	2271	1512	612			369	424	1708	1107	448				
om Litt		Muskrat 4 years out					1292	1759	3832	5279	6555	4613	2271	1512	612			369	424	1708	1107	448
skrats fr		<b>Jerkal</b>	1292	1759	3832	5279	6555	4613	2271	1512	612			369	424	1708	1107	448				
for Mu		Muskrat 3 years out			   	1292	1759	3832	5279	6555	4613	2271	1512	612			369	424	1708	1107	448	
Values	 	jerkel	1292	1759	3832	5279	6555	4613	2271	1512	612			369	424	1708	1107	<b>448</b>				
rrelation		<b>Muskrat 2 years out</b>			1292	1759	3832	5279	6555	4613	2271	1512	612			369	424	1708	1107	448		
ပိ		<b>je</b> nkeuM	1292	1759	3832	5279	6555	4613	2271	1512	612			<b>369</b>	424	1708	1107	448				
		Muskrat 1 year out		1292	1759	3832	5279	6555	4613	2271	1512	612			369	424	1708	1107	448			
		jenkeuM	1292	1759	3832	5279	6555	4613	2271	1512	612			369	424	1708	1107	448				
		Year	61/62	62/63	63/64	64/65	65/66	66/67	67/68	68/69	69/70	7071	71/72	72/73	73/74	74/75	75/76	76/77	77/78	78/79	79/80	80/81

2199	0.476						_	_		-				-		
		672	0.189													
0				5375	0,188							-+		+		
17		0				0371	0.210									
		17		0				0809	0.215							
88				17		0				2343	0.356			+		
5		88				17		0				4924	0/0.0			
87		ß		68				17		0				20/00	0.800	
245		87		2		89				1		0				
269		245		87		5		89				17		0		
171	0	269	0	245	0	87	0	2	0	68	0		•	2	D	SRIZA
272	1	171	17	269	17	245	17	87	17	2	17	89	17		4	91/92
289		272		171		269		245		87		S		88		90/91
460	88	289	88	272	<b>8</b> 9	171	68	269	89	245	89	87	89	S	89	89/90
	2	460	2	289	2	272	S	171	5	269	5	245	2	87	S	<b>68/89</b>
	87	╋╼	87	460	87	289	87	272	87	171	87	269	87	245	87	87/88
	245	+-	245		245	460	245	289	245	272	245	171	245	269	245	86/87
	269		269		269		269	460	269	289	269	272	269	171	269	85/86
448	171		171		171		171		171	460	171	289	171	272	171	84/85
1107	272	448	272		272		272		272		272	460	272	588	2/2	83/84
1708	289	1107	289	448	289		289		289		289		289	<b>PQ</b>	897	50/20
424	460	1708	460	1107	460	448	460		460		<b>460</b>		460		<b>460</b>	81/82
										ŀ		Ē	007		160	Ca/ Fa

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	Emine 8 years out									000	200	320	35.2		153	287	22	5	-		AG	3 8
	enim3	333	328	503	353	440	153	287	246	Ęr	-		AG	38	122	22	3 2	4	Ī			103
	Ermine 7 years out							+-	333	200		353		153	267	344		•		S8	38	123
	enim3	333	328	503	353	440	153	267	344	5	-		85	88	122	33	2					102
Section	Emine 6 years out							333	328	503	353	440	153	267	344	7		1	85	38	122	33
<b>Frapline</b>	enim3	333	328	503	353	440	153	267	344	-			85	38	122	33	22					102
Rapids 7	Emine 5 years out						333	328	503	353	440	153	267	344	2			85	38	122	33	72
Grand	ənim3	333	328	503	353	40	153	267	34	2			85	38	122	33	22					102
m Little	Emine 4 years out					333	328	503	353	40	153	267	344	7			85	38	122	33	22	
mine fro	enima	555	328	200	353	40	153	267	¥	2			85	38	122	33	22	:	;	:		102
S for Er	Emine 3 years out				333	328	203	353	40	153	267	344	2			85	38	122	33	72		-
n Value	enima g	200	328	200	505	940	ECT.	267	<b>4</b>	~			85	88	122	33	22					102
	Emine 2 years out	-	333	200		200	202		153	267	344	2			82	8	122	33	2			_
ני	enim3 &	300	320	353	30		200	ò	ţ	~			85	8	221	88	2					102
	Ermine 1 year out	333	32R	202	253			3 5	ò	¥	~			8	8	221	S	2			-	-
	enim3 &	328	503	353	300	153	201		5	-			82	8	7	201	2				007	
	Year 61/62	62/63	63/64	64/65	REAR .	RAR7	R7/RR	00/10	80/00	0//69	1102	21112	12/13	P101		0/10/	1101	8/1/	19/19	08/6/	10/00	70/10

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122	33	2					102	45	9	11	78	26	8	4	2		6	₽		4817
45	10	÷	78	28	8	4	2		8	9										0.223
33	72	!		+-		102	45	<del>1</del> 0	÷	78	<b>5</b> 8	8	4	2		6	10		438	
45	9	-	78	26	8	4	2		6	9						<b> </b>			0.4301	
72					102	45	10	++	78	26	8	4	8		6	10		331		
45	9	11	78	26	Ø	4	2		6	<b>9</b>								0.4676		
				102	45	10	11	78	26	80	4	2		6	<b>1</b> 0		653			
45	10	1	78	26	80	4	7		6	9		   					0.6590			
			102	45	10	11	78	26	8	4	2		6	10		357				1
45	9	11	78	26	8	4	2		6	10						0.6443				
		102	45	10	11	78	26	8	4	2		6	10		558					_
45	9	11	78	26	8	4	2		6	9					0.7912					
	102	45	10	11	78	26	8	4	2		6	9		835						
45	9	11	78	26	8	4	2		8	9				0.7667						
102	45	10	11	78	26	8	4	8		6	₽		179							7
45	9	11	78	26	8	4	7		6	9			0.7214					-+		-
2/83	13/84	4/85	15/86	6/87	17/88	8/89	06/6	0/91	1/92	2/93				+						

	Muskrat 8 years out									1292	1759	3832	5279	6555	4613	2271	1512	612			369
	Mink	527	387	228	267	171	258	359	446	108			88	39	8	38	169				
	Musicat 7 years out								1292	1759	3832	5279	6555	4613	2271	1512	612			369	424
	Mink	527	387	228	267	171	258	359	446	108			88	39	<b>9</b> 9	38	169				
sction	Muskrat 6 years out						<u> </u>	1292	1759	3832	5279	6555	4613	2271	1512	612			369	424	1708
pline Se	Mink	527	387	228	267	171	258	359	446	108			88	39	89	38	169				
olds Tra	Muskrat 5 years out						1292	1759	3832	5279	6555	4613	2271	1512	612			369	424	1708	1107
and Rap	Mink	527	387	228	267	171	258	359	446	108			88	39	8	88	169				
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les for <b>h</b>	Muskrat 2 years out			1292	1759	3832	5279	6555	4613	2271	1512	612			369	424	1708	1107	448		
ion Valu	Mink	527	387	228	267	171	258	359	446	108			88	39	99	38	169				
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	<b>Muskrat</b>	1292	1759	3832	5279	<b>6555</b>	4613	2271	1512	612			369	424	1708	1107	448				
	Mink	527	387	228	267	171	258	359	446	<b>1</b> 08			88	<b>9</b> 8	89	<b>8</b> 8	169				
	Year	61/62	62/63	63/64	64/65	65/66	66/67	67/68	68/69	69/70	70/11	71/72	72/73	73/74	74/75	75/76	76/77	77/78	78/79	79/80	80/81

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84/85	171	11	171	10	171	45	171	102	171		171		171	1	171		171	72
85/86	269	78	269	11	269	10	269	45	269	102	269	1	269		269		269	
86/87	245	26	245	78	245	11	245	10	245	45	245	102	245		245		245	
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				Corre	lation Va	lues for	Muskra	its from	Pauinga	assi Tra	pline Se	ction				
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Year	Muskrat	Muskrat 1 year out	Muskrat	Muskrat 2 year sout	Muskrat	Muskrat 3 years out	Muskråt	Muskrat 4 years out	Muskrat	Muskrat 5 years out	Muskrat	Muskrat 6 years out	Muskrat	Muskrat 7 years out	Muskrat	Muskrat 8 years out
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83/84	234	255	234		234		234		234		234		234		234	
84/85	429	234	429	255	429		429		429		429		429		429	
85/86	213	429	213	234	213	255	213		213		213		213		213	
86/87	312	213	312	429	312	234	312	255	312		312		312		312	
87/88	165	312	165	213	165	429	165	234	165	255	165		165		165	
88/89	30	165	30	312	30	213	30	429	30	234	30	255	30		30	
89/90	35	30	35	165	35	312	35	213	35	429	35	234	35	255	35	
90/91	50	35	50	30	50	165	50	312	50	213	50	429	50	234	50	255
91/92	32	50	32	35	32	30	32	165	32	312	32	213	32	429	32	234
92/93	0	32	0	50	0	35	0	30	0	165	0	312	0	213	0	429
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	Year	82/83	83/84	84/85	85/86	86/87	87/88	88/88	06/68	90/91	91/92	92/93	83/84										

	·····		Co	rrelation	Values	for Min	k vs Mu	iskrats f	rom Pau	ingassi	Trapline	e Sectio	n				
Mink	Muskrat	Mink	Muskrat 1 year out	Mink	Muskrat 2 year sout	Mink	Muskrat 3 years out	Mink	Muskrat 4 years out	Mink	Muskrat 5 years out	Mink	Muskrat 6 years out	Mink	Muskrat 7 years out	Mink	Muskrat 8 years out
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46	429	46	234	46	255	46		46		46		46		46		46	
54	213	54	429	54	234	54	255	54		54		54		54		54	
56	312	56	213	56	429	56	234	56	255	56		56		56		56	
19	165	19	312	19	213	19	429	19	234	19	255	19		19		19	
27	30	27	165	27	312	27	213	27	429	27	234	27	255	27		27	
42	35	42	30	42	165	42	312	42	213	42	429	42	234	42	255	42	
38	50	38	35	38	30	38	165	38	312	38	213	38	429	38	234	38	255
18	32	18	50	18	35	18	30	18	165	18	312	18	213	18	429	18	234
4	0	4	32	4	50	4	35	4	30	4	165	4	312	4	213	4	429
4	23	4	0	4	32	4	50	4	35	4	30	4	165	4	312	4	213
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0.660	08813	0.54	07069		1		23		0		32		50		35		30
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nk vs Er	Emine 3 years out				53	30	~	4	41	11	S	6	က	R	0	0		4074					
s for Mil	Mink	22	\$	4	2	<b>2</b> 0	<b>1</b> 0	27	42	8	<b>18</b>	4	4					0.747					_
n Value	Ermine 2 years out			53	30	~	41	41	11	2	6	ო	2	0	0		7439						-
orrelatio	Mink	22	8	46	2	<b>8</b>	19	27	4	88	18	4	4				0.286						
Ŭ-	Ermine 1 year out		53	8	~	4	4	7	S	8	<b>0</b>	2	0	0		1912					_		-
	Mink	2	8	<b>4</b> 6	2	8	49	27	4	88	18	4	4			0.362							
	Srmine	2	ຂ	~	4	4	7	S	0	<b>m</b>	2	0	0			8119						+	
	Mink	2	8	<b>9</b>	8	ଞ	6	27	4	88	8	4	4			0.817				_			
	Year	02/03	83/84	84/85	85/86	86/87	87/88	88/89	89/90	90/91	91/92	92/93	93/94										

				Co	relation	Values	for Must	krats vs	Ermine	from Pa	auingass	i Trapli	ne Secti	on		·····		
Year	Muskrat	Ermine	Muskrat	Ermine 1 year out	Muskrat	Ermine 2 years out	Muskrat	Ermine 3 years out	Muskrat	Ermine 4 years out	Muskrat	Ermine 5 years out	Muskrat	Ermine 6 years out	Muskrat	Ermine 7 years out	Muskrat	Ermine 8 years out
82/83	255	53	255		255		255		255		255	=	255		255		255	
83/84	234	30	234	53	234		234		234	[ ]	234		234		234		234	
84/85	429	7	429	30	429	53	429		429		429		429		429		429	i i
85/86	213	41	213	7	213	30	213	53	213	11	213		213		213		213	•
86/87	312	41	312	41	312	7	312	30	312	53	312		312		312		312	
87/88	165	11	165	41	165	41	165	7	165	30	165	53	165		165		165	
88/89	30	5	30	11	30	41	30	41	30	7	30	30	30	53	30		30	
89/90	35	9	35	5	35	11	35	41	35	41	35	7	35	30	35	53	35	
90/91	50	3	50	9	50	5	50	11	50	41	50	41	50	7	50	30	50	53
91/92	32	2	32	3	32	9	32	5	32	11	32	41	32	41	32	7	32	30
92/93	0	0	0	2	0	3	0	9	0	5	0	11	0	41	0	41	0	7
93/94	23	0	23	0	23	2	23	3	23	9	23	5	23	11	23	41	23	41
				0		0	1	2		3		9		5		11	-	41
						0		0		2		3		9		5		11
	0.602	20474	0.71	0934				0		0		2		3		9		5
					0.564	42702				0		0		2		3		9
							0.371	07744				0		0	1	2		3
ł	[						1	ļ	0.70	0103				0	1	0		2
							1			]]	0.704	1866			1	0	-	Õ
													-0.41	91502	1	-		Ō
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																	0,91	2939

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	Mink 8 years out									119	130	279	202	145	271	225	32	214	179	296	241	233
	Mink	119	130	279	202	145	271	225	32	214	179	296	241	233	222	247	126	108	127	88	52	127
	Mink 7 years out				+				119	130	279	202	145	271	225	32	214	179	296	241	233	222
	Mink	119	130	279	202	145	271	225	32	214	179	296	241	233	222	247	126	108	127	88	52	127
5	Mink 6 years out							119	130	279	202	145	271	225	32	214	179	296	241	233	222	247
te Secti	 Mink	119	130	279	202	145	271	225	32	214	179	296	241	233	222	247	126	108	127	88	52	127
II Traplir	Mink 5 years out						119	130	279	202	145	271	225	32	214	179	296	241	233	222	247	126
hiteshe	Mink	119	130	279	202	145	271	225	32	214	179	296	241	233	222	247	126	108	127	88	52	127
from V	Mink 4 years out				   	119	130	279	202	145	271	225	32	214	179	296	241	233	222	247	126	108
for Mink	Mink	119	130	279	202	145	271	225	32	214	179	296	241	233	222	247	126	108	127	<b>88</b>	52	127
Values	Mink 3 years out				119	130	279	202	145	271	225	32	214	179	296	241	233	222	247	126	108	127
relation	Mink	119	130	279	202	145	271	225	32	214	179	296	241	233	222	247	126	108	127	88	52	127
Con	Mink 2 years out			119	130	279	202	145	271	225	32	214	179	296	241	233	222	247	126	108	127	88
	Mink	119	130	279	202	145	271	225	32	214	179	<b>58</b>	241	233	222	247	126	<b>8</b>	127	88	23	127
	Mink 1 year out		119	130	279	202	145	271	225	32	214	179	<b>5</b> 80	241	233	222	247	126	108	127	88	52
	 Mink	119	130	279	202	145	271	225	32	214	179	<b>5</b> 86	241	233	222	247	126	<b>108</b>	127	88	52	127
	Year	54/56	56/57	57/58	58/59	59/60	6061	61/62	62/63	63/64	64/65	65/66	66/67	67/68	68/69	69/70	70/71	71/72	72/73	73/74	74/75	75/76

222	247	126	108	127	88	23	127		250		299	216	260	<b>6</b> 3		28	52	37	68	125	108	<u>8</u>		2	55		32669
	250		299	216	260	<b>6</b> 3		78	52	37	88	125	108	<b>1</b> 00		2	55										0.00
247	126	108	127	88	52	127		250	<u> </u>	299	216	260	<b>9</b> 3		78	52	37	88	125	108	<u>8</u>	 	2	55		4174	
	250		299	216	260	93		78	52	37	88	125	<b>§</b>	<b>1</b> 00		2	55									-0.217	
126	108	127	88	52	127		250		299	216	260	<b>9</b> 3	   	78	52	37	80	125	108	<u>8</u>		2	55		7006		
	250		299	216	260	<b>6</b> 3		78	52	37	68	125	108	5		2	55								-0.210		
108	127	88	52	127		250		299	216	260	<b>9</b> 3		78	52	37	88	125	108	<u>8</u>		2	55		7893			
	250		299	216	260	<b>9</b> 3		78	52	37	68	125	108	\$		2	55							-0.303			
127	88	52	127		250		299	216	260	<b>9</b> 3		78	52	37	88	125	108	8		8	55		6728				
	250		299	216	260	<b>93</b>		78	52	37	68	125	108	<b>9</b>		8	55				_		0.121				
88	52	127		250		299	216	260	93		78	52	37	<b>8</b> 0	125	108	8		\$	55		388					
	250		299	216	260	<b>8</b> 3		78	52	37	<b>6</b> 8	125	108	100		8	55					0.248					
52	127		250		299	216	260	<b>9</b> 3		78	52	37	89	125	<b>108</b>	8		2	55		0217	   			· · ·		
	250		299	216	260	93		78	52	37	89	125	108	<del>1</del> 0		2	55				0.383						
127		250		299	216	260	93		78	52	37	88	125	108	<u>8</u>		2	55		7418				+			
	250		299	216	260	93		78	52	37	8	125	108	8		2	55			0.466							
76/77	77/78	78/79	79/80	80/81	81/82	82/83	83/84	84/85	85/86	86/87	87/88	88/89	89/90	90/91	91/92	92/93	93/94										

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	Muskrat 8 years out	_								2557	2249	2205	2074	1281	763	1273	8	206	1208	1799	1715
	jenisuM	2557	2249	2205	2074	1261	763	1273	8	902	1208	1799	1715	884	657	958	1148	752	910	484	768
	Muskrat 7 years out								2557	2249	2205	2074	1261	763	1273	80	706	1208	1799	1715	<b>864</b>
	Muskat	2557	2249	2205	2074	1261	763	1273	8	706	1208	1799	1715	<b>364</b>	657	958	1148	752	910	484	768
ction	Muskrat 6 years out					   		2557	2249	2205	2074	1261	763	1273	8	706	1208	1799	1715	964	657
oline Se	Muskrat	2557	2249	2205	2074	1261	763	1273	8	706	1208	1799	1715	964	657	958	1148	752	910	484	768
Trap			-				-	6	2	4	-		9		-	80	8	5	-		_
hell	Muskrat 5 years out						255	224	220	207	126	76:	127	8	ğ	120	179	171	8	65)	956
Whites	Muskrat	2007	2249	2205	2074	1261	763	1273	<b>6</b> 0	206	1208	1799	1715	<b>8</b>	657	958	1148	752	910	484	768
ats from	Muskrat 4 years out					2557	2249	2205	2074	1261	763	1273	8	706	1208	1799	1715	<b>8</b> 64	657	958	1148
r Muskr	Muskrat	/007	2249	2205	2074	1261	763	1273	90	206	1208	1799	1715	<b>8</b>	657	958	1148	752	910	484	768
alues for	Muskrat 3 years out				2557	2249	2205	2074	1261	763	1273	8	902	1208	1799	1715	<b>8</b>	657	958	1148	752
ation C	Jerkat	1007	2249	2205	2074	1261	763	1273	8	706	1208	1799	1715	964	657	958	1148	752	910	484	768
Correl	Muskrat 2 years out			2557	2249	2205	2074	1261	763	1273	8	208	1208	1799	1715	864	657	958	1148	752	910
	Muskrat	1007	R#77	2205	2074	1261	763	1273	8	206	1208	1799	1715	5	657	958	1148	752	910	<b>484</b>	768
	Muskraf 1 year out	2557	/007	2249	2205	2074	1261	763	1273	60	90/	1208	1799	0 1 1 1	<b>8</b> 64	657	958	1148	752	910	<b>4</b>
	Muskrat A	1000	R#77	CU22	2074	1261	763	1273	8	90/	1208	1799	61/1		109	806	1148	/52	910	484	98
	Year Fairs		10,000	80//0	96/96	59/60	60/61	61/62	62/63	63/64	64/65	65/66	1000		80/20	03//0	1/10/	11/12	12/73	131/4	(4//0

<b>8</b> 64	657	958	1148	752	910	484	768	1619		484		961	995	1061	330		936	4	295	1126	403	26	51		18	119		0122
1619		484		961	<b>9</b> 95	1061	330		936	111	295	1126	403	25	51		18	119										0.397
657	958	1148	752	910	<b>484</b>	768	1619		484		961	995	1061	330		<b>936</b>	41	295	1126	403	25	51		18	119		7599	
1619		484		961	<b>39</b> 5	1061	330		936	14	295	1126	403	25	51		18	119									0.079	
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1619		484		961	<b>3</b> 85	1061	330		936	441	295	1126	403	25	51		18	119							   	0.164		
1148	752	910	484	768	1619	<b> </b>	484		961	<b>995</b>	1061	330		936	41	295	1126	403	25	51		18	119		3238			
1619		<b>484</b>		961	<b>3</b> 85	1061	330		936	441	295	1126	403	25	51		18	119						 	0.122			
752	910	484	768	1619		484		961	985	1061	330		936	441	295	1126	403	25	51		18	119		0734				
1619		484		961	<del>6</del> 95	1061	330		936	441	295	1126	403	25	5		18	119			-		•	0.256		!		
910	484	768	1619		484	 	961	995	1061	330		936	41	295	1126	403	25	51		18	119		9681					
1619		484		961	<b>9</b> 95	1061	330		936	441	295	1126	403	25	51		18	119					0.380	L				
484	768	1619		484		961	<b>9</b> 95	1061	330		936	441	295	1126	403	25	51		18	119		3294	 					
1619		484		961	<b>3</b> 85	1061	330		936	441	295	1126	403	25	51		18	119				0.3891						
<b>68</b>	319		84		61	95	61	8		90	41	95	26	03	5			8	19		<b>4</b> 6							
19 7	₩	2	4	61	95 9.	61 8	30 10	Q	36	41 9	95 4	26 2	03 11	5	51 2	<b>4</b> 7	8	19 1	-		68132							
16		4		6	6	10	S.		6	4	Ň	11	4	2	47		-	-			Ö							
75/76	16/17	8/1/17	18/79	29/80	80/81	81/82	82/83	83/84	84/85	85/86	86/87	87/88	88/88	99/90	90/91	91/92	92/93	93/94										

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		years out	8 enim3									105	223	193	85	55	229	53	12	118	8	193	196	8
			ənim3	105	223	193	85	55	229	53	5	118	88	193	196	8	17	124	16	12	8	4	62	269
		years out	7 <del>o</del> nim3								105	223	193	85	55	229	53	12	118	88	193	196	88	77
			enima	105	223	193	85	55	229	53	12	118	88	193	196	88	2	124	16	5	80	41	62	269
ction		years out	8 <del>e</del> nim3							105	223	193	85	55	229	53	12	118	88	193	196	89	77	124
ine Sec			enima	105	223	193	85	55	229	53	12	118	8	193	196	88	12	124	16	12	8	4	62	269
ell Trapi		years out	č enim3	 					105	223	193	85	55	229	53	12	118	86	193	196	<b>9</b> 9	77	124	16
Mitesh			enim3	105	223	193	85	55	229	53	12	118	8	193	196	<b>9</b> 9	22	124	16	12	8	41	62	269
e from \		years out	4 ənim3					105	223	193	85	55	229	53	12	118	88	193	196	99	77	124	16	12
or Ermin			ənima	105	223	193	85	55	229	53	12	118	86	193	196	89	27	124	16	5	80	41	62	269
alues fo		years out	E enim3				105	223	193	85	55	229	53	12	118	88	193	196	8	2	124	16	5	80
Iation V			enim3	105	223	193	85	55	229	53	12	118	88	193	<b>9</b>	8	2	124	<b>7</b> 6	5	œ	4	62	269
Corre		tuo sieat	S enima			105	223	193	85	55	229	53	12	118	8	193	196	8	2	124	9	12	Ø	4
			enim3	105	223	193	85	55	229	53	12	118	8	193	<b>196</b>	8	2	124	9	5	8	4	62	269
		year out	r ənim3		105	223	193	85	55	229	83	5	118	8	193	198	8	5	124	8	5	80	4	62
			enim3	105	223	193	82	55	229	53	5	118	8	193	<b>196</b>	8	5	124	16	12	∞ :	41	62	269
			Year	54/56	58/57	57//58	58/59	59/60	60/61	61/62	62/63	63/64	64/65	65/66	66/67	67/68	68/69	69/70	1207	11/72	12/73	4/16/	14/75	9/10/

12	124	19	2 2	! a	1	8	269		125		109	160	158	62		18	5	2	55	85	48	29		29	18	•	9996
	125	2	act.	86	158	8	8	18	42	2	55	85	48	29		29	18	2									0.040
124	16	10	! α	41	62	269		125		<b>109</b>	160	158	62		18	42	2	55	85	<b>4</b> 8	29		29	18		7252	
	125		100	160	158	69		18	42	2	55	85	48	29		29	18									-0,290	
16	12		41	62	269		125		109	160	158	62	<u> </u>	18	4	2	55	85	48	29		29	18	   	7222		
	125		109	160	158	62		18	42	2	55	85	8	29		29	18								0.079		
5	8	41	62	269	-	125		109	160	158	62		18	42	2	55	85	48	29		29	18	-	8834			
	125		109	160	158	62		18	42	2	55	85	48	29		29	18	1						-0.092			
80	41	62	269		125		109	160	158	62		18	42	2	55	85	48	29		29	<b>1</b> 8	<u> </u>	2346				
	125	-	109	160	158	62		18	42	2	55	85	48	29		29	18	1		1			-0.053				
4	62	269		125		109	160	158	62		18	42	5	55	<b>8</b> 5	48	<b>5</b> 8		29	18		7153					-
	125		<b>109</b>	160	158	62		18	4	2	55	85	<b>4</b>	<b>5</b> 8		<b>5</b> 8	<b>8</b>					0.122	1				
62	269		125		109	160	158	62		<b>18</b>	42	2	55	85	48	29		29	18		0937		•		+		
	125		<b>109</b>	160	158	62		18	4	2	55	85	<b>8</b>	58		29	18				0.029						
503		125		109	160	158	62		18	42	2	55	85	<b>4</b> 8	29		29	18		8585					-+	-	
	125		109	160	158	62		<b>1</b> 8	4	8	55	85	8	59		29	18			0.291							
210	77/78	78/79	79/80	80/81	81/82	82/83	83/84	84/85	85/86	86/87	87/88	88/89	89/90	90/91	91/92	92/93	93/94										
Γ		Muskrat 8 years out	i I								2557	2249	2205	2074	1261	763	1273	00	206	1208	1799	1715					
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		Mink	119	130	279	202	145	271	225	32	214	179	296	241	233	222	247	126	108	127	88	52					
					-	-				57	68	05	2	81	3	23	0	9	8	8	15	3					
		Muskrat 7 years out					-	<u> </u>		25!	22	22(	20	12	26	12.	0	2	12(	17	17	8					
		Mink	119	130	279	202	145	271	225	32	214	179	296	241	233	222	247	126	108	127	88	52					
		Muskrat 6 years out							2557	2249	2205	2074	1261	763	1273	8	706	1208	1799	1715	<b>8</b>	657					
Section		AniM	119	130	279	202	145	271	225	8	214	179	296	241	233	222	247	126	108	127	88	52					
Bild			-					57	49	05	74	5	3	73	0	9	80	66	15	4	2	8					
II Tra		Muskrat 5 years out		<u> </u>	<u> </u>	 		25	55 55	22	20	12	76	12	Q	2	121	17	17	8	65	92					
iteshe		Mink	119	130	279	202	145	271	225	32	214	179	296	241	233	222	247	126	108	127	88	52					
om Wh		Muskrat 4 years out					2557	2249	2205	2074	1261	763	1273	60	706	1208	1799	1715	964	657	958	1148					
krats fr		Mink	119	130	279	202	145	271	225	32	214	179	296	241	233	222	247	126	108	127	88	52					
Mus	 					2	6	2	4	-		3		(0)	8	6	2				80						
sy yo	 	Muskrat 3 years out			! !	255	224	220	207	126	26	127	00	Š	120	179	171	8	65	956	114	752					
for Mi	 	Mink	119	130	279	202	145	271	225	32	214	179	<b>2</b> 96	241	233	222	247	126	<b>108</b>	127	88	52					
Values		Muskrat 2 years out			2557	2249	2205	2074	1261	763	1273	60	206	1208	1799	1715	964	657	958	1148	752	910					
elation		Mink	119	130	279	202	145	271	225	32	214	179	296	241	233	222	247	126	108	127	8	52					
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		Muskrat 1 year out		255	224	220	207	126	76	127	8	Š	120	179	5	8	65)	956	114	752	910	<b>\$</b>					
		Mink	119	130	279	202	145	271	225	32	214	179	<b>58</b>	241	233	222	247	126	108	127	8	23					
		Muskrat	2557	2249	2205	2074	1261	763	1273	8	206	1208	1799	1715	964	657	958	1148	752	910	484	768					
		Mink	119	130	279	202	145	271	225	32	214	179	296	241	233	222	247	126	108	127	88	52					
		Year	54/56	56/57	57/58	58/59	59/60	60/61	61/62	62/63	63/64	64/65	65/66	66/67	67/68	69/89	69/70	12/01	71/72	72/73	73/74	74/75					

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89/90	108	48	108	85	108	55	108	54	108	42	108	18	108		108	62	108	158
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Appendix 5. Mink, muskrat and ermine fur return totals of selected Ontario Registered Trapline regions: Kenora and Red Lake

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						K	ENOR	A DIS	TRICT	REGIS	STERE	DTRA	PLINE	S							ł
		1964	/1965			1965	/1966		]	1966	/1967		}	1967	/1968			1968	/1969		
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DTRA		Ermine	4	0	3	0	2	0	0	0	0	17	0	0	0	0	ł	2	-	0	-	0	6	0	0	0	0	2
STERE	1986	Muskrat	5	0	-	0	0	29	न्न	-	0	<b>5</b>	0	0	0	0	2	0	0	0	0	0	ន	-	0	0	0	4
REGI	1985/	Mink	38	0	0	0	-	7	2	-	0	-	0	0	0	0	2	3	ω	0	2	~	16	9	-	0	2	2
TRICT		# Trappers	7	-	2	9	ი	4	7	e	-	2		1	2	9	2	9	g	5	-	9	13	9	9	-	4	-
(E DIS		Ermine	0	0	0	0	0	2	0	0	0	4	0	0	0	0	0	0	0	0	0	0	8	0	0	0	-	7
DLA	1985	Muskrat	0	0	0	-	9	8	8	0	0	8	0	9	0	0	0	0	0	0	0	0	24	25	0	7	15	35
R	1984/	Mink	8	0	0	0	0	~	~	0	0	-	0	0	0	-	0	9	0	0	0	~	80	7	e	2	~	2
		# Trappers	2	-	-	3	n	~	2	2	-	2	-	-	-	3	-	~	9	G	-	e	5	9	3	-	4	•
		Ermine	0	2	0	0	0	0	0	0	2	0	,	2	0	0	•	0	0	0	•	0	0	0	0	0	0	0
	1984	Muskrat	æ		0	0	-	8	12		0	8	•	2	0	5	0	5	0	-	•	G	27	<b>0</b>	0	0	33	3
	1983/	Mink	S	2		0	0	<b>2</b>	<b>e</b> (	0	•	7	2	•	~	-	0	•	-	5	0	0	S	0	2	0	9	<b>0</b>
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	/1992	Muskrat	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	0	0	0
S	1661	Mink	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	4	8	0	0	0	-	0
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STER	1661/	Muskrat	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	21	0	0	0	0	0	0	8	0
REGI	0661	Mink	0	0	0	0	0	7	0	0	0	3	0	0	0	+	0	0	6	2	0	0	9	0	0	0	S	0
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KE DIS		Ermine	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	က	0
EDLA	/1990	Muskrat	0	0	0	-	2	5	0	0	0	0	0	0	0	0	0	0	8	0	0	4	-	0	2	0	19	-
R	1989	Mink	-	0	0	33	e	-	0	0	0	0	0	0	က	0	0	0	9	1	1	S	9	0	ი	0	5	-
		# Trappers	8	+	3	8	ຕ	3	9	-	-	9	7	-	7	2	-	5	9	9	2	4	14	4	-	S	9	2
		Emine	0	2	0	0	0	0	0	0	0	7	0	0	0	0	ł	5	12	0	0	+	0	0	0	0	4	0
	/1989	Muskrat	4	ł	0	9	0	=	0	0	0	7	0	0	0	0	2	0	0	0	0	0	0	0	0	0	15	0
	1988	Mink	~	2	0	0	0	~	•	0	0	5	0	0	0	9	z	7	2	0	0	0	13	0	우	0	-	2
		# Trappers	~	ł	3	2	2	2	2	-	2	ო	2	-	-	2	ł	2	4	-	-	ო	13	9	-	2	e	7
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16	0	0	2	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		47
19	-	13	0	0	2	11	0	0	-	0	0	0	8	6	0	0	9	2	+	0	2	13	2	0	0	7	4	0	-	-		127
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2	2	8	4	0	2	0	0	0	0	0	0	0	0	31	0	2	S	<b>1</b> 9	S	13	0	0	2	0	43	155	0	0	-	0		80
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3	e	2	-	t	2	16	8	6	12	9	S	ຕ	9	13	+	11	4	12	7	2	10	12	15	8	2	S	9	7	2	4		287
0	0	9	0	2	2	0	0	2	0	0	4	4	0	21	0	0	29	0	14	52	ł	12	58	0	0	S	0	0	•	0		248
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S	7	13	0	ı	ł	31	0	32	2	0	<b>ლ</b>	8	2	13	0	0	13	8	~	2	4	<b>9</b>	13	0	0	3	-	-	9	ဗ္ဂ	100	287
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27	28	29	ອ	31	32	33	34	35	36	37	<b>3</b> 8	39	<b>9</b>	41	42	43	4	<b>5</b>	<b>4</b> 6	47	<b>4</b> 8	49	50	51	52	53	2	55	8	57		lotal

Appendix 6. Intraspecific correlation coefficients calculated for mink, muskrat and ermine fur return totals of Kenora and Red Lake Registered Trapline regions

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		Co	rrelation \	/alues	for Mink f	rom Re	d Lake Tr	<b>apline F</b>	Region	
Year	Mink	Mink 1 Year Out	Mink	Mink 2 Years Out	Mink	Mink 3 Years Out	Kink	Mink 4 Years Out	Mink	Mink 5 Years Out
73/74	107		107		107		107		107	
74/75	170	107	170		170	1	170		170	<u> </u>
75/76	243	170	243	107	243	1	243		243	<u> </u>
76/77	375	243	375	170	375	107	375		375	
77/78	597	375	597	243	597	170	597	107	597	
78/79	852	597	852	375	852	243	852	170	852	107
79/80	767	852	767	597	767	375	767	243	767	170
80/81	750	767	750	852	750	597	750	375	750	243
81/82	459	750	459	767	459	852	459	597	459	375
82/83	342	459	342	750	342	767	342	852	342	597
83/84	231	342	231	459	231	750	231	767	231	852
84/85	223	231	223	342	223	459	223	750	223	767
85/86	405	223	405	231	405	342	405	459	405	750
86/87	309	405	309	223	309	231	309	342	309	459
87/88	676	309	676	405	676	223	676	231	676	342
88/89	287	676	287	309	287	405	287	223	287	231
89/90	206	287	206	676	206	309	206	405	206	223
90/91	127	206	127	287	127	676	127	309	127	405
91/92	136	127	136	206	136	287	136	676	136	309
	,	136		127		206		287		676
		i		136		127		206		287
	0.677	9416				136		127		206
			0.340	3882				136	_	127
				i	-0.221	9256	1 1	<u>-</u>		136
		i			1 1		-0.549	2433		
									-0.483	8214
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	1	Cor	relation \	/aiues	for Mink	from Re	d Lake Tra	apline I	Region	
Year	Wink	Mink 6 Years Out	Wink	<b>Wink 7 Years Out</b>	Mink	Mink 8 Years Out	Mink	Wink 9 Years Out	Mink	Mink 10 Years Out
73/74	107		107		107		107		107	<b></b>
74/75	170	††	170		170	1	170		170	
75/76	243	††	243		243		243		243	
76/77	375		375		375	1	375		375	
77/78	597		597		597		597		597	
78/79	852		852		852		852	<u> </u>	852	1
79/80	767	107	767		767		767	1	767	
80/81	750	170	750	107	750	1	750	1	750	
81/82	459	243	459	170	459	107	459	1	459	
82/83	342	375	342	243	342	170	342	107	342	
83/84	231	597	231	375	231	243	231	170	231	107
84/85	223	852	223	597	223	375	223	243	223	170
85/86	405	767	405	852	405	597	405	375	405	243
86/87	309	750	309	767	309	852	309	597	309	375
87/88	676	459	676	750	676	767	676	852	676	597
88/89	287	342	287	459	287	750	287	767	287	852
89/90	206	231	206	342	206	459	206	750	206	767
90/91	127	223	127	231	127	342	127	459	127	750
91/92	136	405	136	223	136	231	136	342	136	459
	1	309		405		223		231		342
		676		309		405		223		231
		287		676		309		405		223
		206		287		676		309		405
		127		206		287		676		309
		136		127		206		287		676
	· · · · · · · · · · · · · · · · · · ·			136		127		206		287
	-0.34	94109				136		127		206
			0.075	6741				136		127
					0.34	24437				136
						<u> </u>	0.395	1157		
									-0.019	6054

	Co	relatio	n Values f	or Mus	kra	t from	Red La	ike	Traplin	e Regi	on		
Year	Muskrat	Muskrat 1 Year Out	Muskrat	Muskrat 2 Years Out		Muskrat	Muskrat 3 Years Out		Muskrat	Muskrat 4 Years Out		Muskrat	Muskrat 5 Years Out
73/74	1137		1137			1137			1137			1137	
74/75	2986	1137	2986			2986			2986			2986	
75/76	2360	2986	2360	1137		2360			2360			2360	
76/77	1007	2360	1007	2986		1007	1137		1007			1007	
77/78	1524	1007	1524	2360		1524	2986		1524	1137		1524	
78/79	2146	1524	2146	1007		2146	2360		2146	2986		2146	1137
79/80	2581	2146	2581	1524		2581	1007		2581	2360		2581	2986
80/81	3249	2581	3249	2146		3249	1524		3249	1007		3249	2360
81/82	1159	3249	1159	2581		1159	2146		1159	1524	1	1159	1007
82/83	1812	1159	1812	3249		1812	2581		1812	2146		1812	1524
83/84	1109	1812	1109	1159		1109	3249		1109	2581		1109	2146
84/85	1076	1109	1076	1812		1076	1159		1076	3249		1076	2581
85/86	770	1076	770	1109		770	1812		770	1159		770	3249
86/87	604	770	604	1076		604	1109		604	1812		604	1159
87/88	684	604	684	770		684	1076		684	1109		684	1812
88/89	185	684	185	604		185	770		185	1076		185	1109
89/90	340	185	340	684		340	604		340	770		340	1076
90/91	47	340	47	185		47	684		47	604		47	770
91/92	118	47	118	340		118	185		118	684		118	604
		118		47		i i	340			185			684
				118			47			340		i	185
	0.609	1266					118			47			340
		1	0.48	5396						118			47
					i	0.44	0382				1	j	118
					1	i	1		0.417	1182			
											1	0.494	5151
												]	
												1	
						1							

	Co	relatio	n Values f	or Mus	krat	from	Red La	ike 1	Traplin	e Regi	оп		
Year	Muskrat	Muskrat 6 Years Out	Muskrat	Muskrat 7 Years Out		Muskrat	Muskrat 8 Years Out		Muskrat	Muskrat 9 Years Out		Muskrat	Muskrat 10 Years Out
73/74	1137		1137			1137			1137			1137	
74/75	2986		2986			2986			2986			2986	
75/76	2360		2360			2360			2360			2360	
76/77	1007		1007			1007			1007			1007	
77/78	1524		1524			1524			1524			1524	
78/79	2146		2146			2146			2146			2146	
79/80	2581	1137	2581			2581			2581			2581	
80/81	3249	2986	3249	1137		3249			3249			3249	
81/82	1159	2360	1159	2986		1159	1137		1159			1159	
82/83	1812	1007	1812	2360		1812	2986		1812	1137		1812	
83/84	1109	1524	1109	1007		1109	2360		1109	2986		1109	1137
84/85	1076	2146	1076	1524		1076	1007		1076	2360		1076	2986
85/86	770	2581	770	2146		770	1524		770	1007		770	2360
86/87	604	3249	604	2581		604	2146		604	1524		604	1007
87/88	684	1159	684	3249		684	2581		684	2146		684	1524
88/89	185	1812	185	1159		185	3249		185	2581		185	2146
89/90	340	1109	340	1812		340	1159		340	3249		340	2581
90/91	47	1076	47	1109		47	1812		47	1159		47	3249
91/92	118	770	118	1076		118	1109		118	1812		118	1159
	I	604		770			1076			1109			1812
		684		604			770			1076			1109
	Ì	185		684			604			770			1076
		340		185			684			604			770
		47		340			185			<b>684</b>			604
		118		47			340			185			684
				118			47			340			185
	0.268	8528					118			47			340
			0.006	1043						118			47
						0.16	9511						118
									-0.136	6739			
					T		]					-0.164	1587

	Co	rrelatio	n Values I	ior Em	ine from	Red La	ke Traplin	e Regio	n	
Year	Emine	Ermine 1Year Out	Emine	Ermine 2 Years Out	Ermine	Ermine 3 Years Out	Emine	Ermine 4 Years Out	Ermine	Ermine 5 Years Out
73/74	113		113	- <b></b>	11:	3	113		113	
74/75	261	113	261		26	i	261	1	261	
75/76	93	261	93	113	93		93	1	93	
76/77	268	93	268	261	26	3 113	268		268	
77/78	312	268	312	93	312	2 261	312	113	312	
78/79	278	312	278	268	27	3 93	278	261	278	113
79/80	277	278	277	312	27	268	277	93	277	261
80/81	298	277	298	278	298	3 312	298	268	298	93
81/82	297	298	297	277	297	278	297	312	297	268
82/83	167	297	167	298	167	277	167	278	167	312
83/84	37	167	37	297	37	298	37	277	37	278
84/85	130	37	130	167	130	) 297	130	298	130	277
85/86	225	130	225	37	225	5 167	225	297	225	298
86/87	57	225	57	130	57	37	57	167	57	297
87/88	95	57	95	225	95	130	95	37	95	167
88/89	248	95	248	57	248	225	248	130	248	37
89/90	39	248	39	95	39	57	39	225	39	130
90/91	14	39	14	248	14	95	14	57	14	225
91/92	6	14	6	39	6	248	6	95	6	57
		6		14		39		248		95
				6		14		39		248
	0.426	0029				6		14		39
			0.233	9774				6		14
					0.3	253232				6
							0.26	78163		
									-0.059	35914
							<u></u>	ļ	-	
							L			

			!	1		1				2
	9	le 6 Years Out	9	e 7 Years Out	Φ	e 8 Years Out	e	e 9 Years Out	Ø	e 10 Years Ou
Year	Emin	Emin	Emin	Erain	Ermin	Ermin	Emin	Ermin	Emin	Ermin
73/74	113		113		113		113		113	
74/75	261		261		261		261		261	
75/76	93		93		93		93		93	
76/77	268		268		268		268		268	
77/78	312		312		312		312		312	
78/79	278		278		278		278		278	
79/80	277	113	277		277		277		277	
80/81	298	261	298	113	298		298		298	
81/82	297	93	297	261	297	113	297		297	
82/83	167	268	167	93	167	261	167	113	167	
83/84	37	312	37	268	37	93	37	261	37	113
84/85	130	278	130	312	130	268	130	93	130	261
85/86	225	277	225	278	225	312	225	268	225	93
86/87	57	298	57	277	57	278	57	312	57	268
87/88	95	297	95	298	95	277	95	278	95	312
88/89	248	167	248	297	248	298	248	277	248	278
89/90	39	37	39	167	39	297	39	298	39	277
90/91	14	130	14	37	14	167	14	297	14	298
91/92	6	225	6	130	6	37	6	167	6	297
	1	57		225		130		37		167
		95		57		225		130		37
		248		95		57		225		130
		39		248		95		57		225
		14		39		248		95		57
		6		14		39		248		95
				6		14	!	39		248
	-0.144	6113				6		14		39
			0.215	8781		[		6	_	14
					0.290	9043				6
							-0.15	8422		
						Ī			-0.309	4056

	(	Correla	ition	Value	s for N	link	from k	Kenora	Tra	apline f	Region			
Year	Mink	Mink 1 Year Out		Mink	Mink 2 Years Out		Mink	Mink 3 Years Out		Mink	Mink 4 Years Out		Mink	Mink 5 Years Out
64/65	123	<u> </u>		123			123			123		Γ	123	[
65/66	71	123		71			71			71		Γ	71	
66/67	236	71		236	123		236			236		$\square$	236	
67/68	264	236		264	71		264	123		264			264	
68/69	186	264		186	236		186	71		186	123		186	
69/70	151	186		151	264		151	236	T	151	71		151	123
70/71	109	151		109	186		109	264		109	236	Γ	109	71
71/72	101	109		101	151		101	186		101	264		101	236
72/73	52	101		52	109		52	151		52	186		52	264
73/74	70	52		70	101		70	109		70	151	1	70	186
74/75	49	70		49	52		49	101		49	109	1	49	151
75/76	51	49		51	70		51	52		51	101		51	109
76/77	181	51		181	49		181	70		181	52	1	181	101
77/78	102	181		102	51		102	49		102	70	Γ	102	52
78/79	170	102		170	181		170	51		170	49	1	170	70
79/80	166	170		166	102		166	181		166	51		166	49
80/81	190	166		190	170		190	102		190	181		190	51
81/82	99	190		99	166		99	170		99	102	Ī	99	181
82/83	54	99		54	190		54	166		54	170		54	102
83/84	37	54		37	99		37	190		37	166		37	170
84/85	28	37		28	54		28	99		28	190		28	166
85/86	58	28		58	37		58	54		58	99		58	190
86/87	122	58		122	28		122	37		122	54		122	99
87/88	221	122		221	58		221	28		221	37		221	54
88/89	91	221		91	122		91	58		91	28		91	37
89/90	77	91		77	221		77	122		77	58		77	28
90/91	11	77		11	91		11	221		11	122		11	58
91/92	18	11		18	77		18	91		18	221		18	122
92/93	17	18		17	11		17	77		17	91		17	221
93/94	26	17		26	18		· 26	11		26	77		26	91
94/95	44	26	44	17	44	18	44	11	44	77				
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95/96	19	44	19	26	19	17	19	18	19	11				
		19		44		26		17		18				
				19		44		26	1	17				
	0.631	1839				19	1	44		26				
			0.368	32079	_			19	1	44				
					-0.04	43326				19				
							-0.16	85286						
									-0.22	22832				
					i									
					1		1							

		Correla	ation	n Value	es for N	Aink	from I	Kenora		apline I	Region	)		
Year	Mink	Mink 6 Years Out		Mink	Mink 7 Years Out		Mink	Mink 8 Years Out		Mink	Mink 9 Years Out		Mink	Mink 10 Years Out
64/65	123	1	Î	123	1		123		1	123			123	1
65/66	71	1	T	71	1	Τ	71		Γ	71			71	
66/67	236	1	T	236		Τ	236	1	Γ	236			236	1
67/68	264	1	T	264		1	264		1	264		$\square$	264	
68/69	186		1	186		T	186		Γ	186		ĪŢ	186	
69/70	151	1	i	151		Ī	151		1	151			151	
70/71	109	123		109		1	109			109			109	
71/72	101	71	1	101	123		101		1	101			101	
72/73	52	236	1	52	71	1	52	123		52			52	i
73/74	70	264	1	70	236	1	70	71		70	123		70	
74/75	49	186	1	49	264		49	236	1	49	71		49	123
75/76	51	151	1	51	186	1	51	264	1	51	236		51	71
76/77	181	109		181	151		181	186		181	264	TT	181	236
77/78	102	101		102	109	1	102	151		102	186		102	264
78/79	170	52		170	101	İ	170	109		170	151		170	186
79/80	166	70		166	52	1	166	101		166	109		166	151
80/81	190	49		190	70	!	190	52		190	101		190	109
81/82	99	51		99	49		99	70	1	99	52		99	101
82/83	54	181		54	51		54	49		54	70		54	52
83/84	37	102		37	181		37	51		37	49		37	70
84/85	28	170		28	102		28	181		28	51		28	49
85/86	58	166		58	170		58	102		58	181		58	51
86/87	122	190		122	166		122	170		122	102		122	181
87/88	221	99		221	190		221	166		221	170		221	102
88/89	91	54		91	99		91	190		91	166		91	170
89/90	77	37		77	54		77	99		77	190		77	166
90/91	11	28		11	37		11	54		11	99		11	190
91/92	18	58		18	28		18	37		18	54		18	99
92/93	17	122		17	58		17	28		17	37		17	54
93/94	26	221		26	122		26	58		26	28		26	37

94/95	44	91	44	221	44	122	44	58	44	28
95/96	19	77	19	91	19	221	19	122	19	58
	1	11		77		91		221		122
	1	18		11		77		91		221
	1	17		18	1	11		77		91
	1	26		17	1	18		11		77
	1	44	11	26		17		18		11
	1	19	+	44		26		17		18
	1		11	19		44		26		17
	0.034	5137				19		44		26
	1		0.478	1544	1			19		44
					0.429	2876				19
	1						0.558	32601		
	1								0.285	58757

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	C	orrelati	on Va	alues	for En	min	e from	Kenor	aT	rapline	Regio	n		
Year	Ermine	Ermine 1Year Out		Ermine	Ermine 2 Years Out		Ermine	Ermine 3 Years Out		Ermine	Ermine 4 Years Out		Ermine	Ermine 5 Years Out
64/65	44			44			44			44			44	
65/66	60	44		60	1		60			60			60	
66/67	54	60		54	44		54			54			54	
67/68	76	54		76	60		76	44		76			76	
68/69	40	76		40	54		40	60		40	44		40	
69/70	10	40		10	76		10	54		10	60	Ι	10	44
70/71	0	10		0	40		0	76		Ō	54		0	60
71/72	2	0		2	10		2	40	Γ	2	76	1	2	54
72/73	0	2		0	0		0	10	1	0	40		0	76
73/74	0	0		0	2	i	0	0		0	10	1	0	40
74/75	0	0		0	0		0	2		0	0	1	0	10
75/76	0	0		0	0		0	0	1	0	2		0	0
76/77	0	0		0	0		0	0		0	0		0	2
77/78	0	0		0	0	i	0	0		0	0		0	0
78/79	0	0		0	0		0	0		0	0	1	0	0
79/80	0	0	1	0	0		0	0	-	0	0	1	0	0
80/81	2	0		2	0		2	0		2	0		2	0
81/82	33	2		33	0		33	0		33	0		33	0
82/83	10	33		10	2		10	0		10	0		10	0
83/84	7	10		7	33		7	2		7	0		7	0
84/85	5	7		5	10		5	33		5	2		5	0
85/86	23	5		23	7		23	10		23	33		23	2
86/87	25	23		25	5		25	7		25	10	i	25	33
87/88	31	25		31	23		31	5		31	7		31	10
88/89	4	31		4	25		4	23		4	5		4	7
89/90	2	4		2	31		2	25		2	23		2	5
90/91	0	2		0	4		0	31		0	25		0	23
91/92	0	0		0	2		0	4		0	31		0	25
92/93	2	0		2	0		2	2		2	4		2	31

93/94	0	2	0	0	0	0	0	2	0	4
94/95	5	0	5	2	5	0	5	0	5	2
95/96	6	5	6	0	6	2	6	0	6	0
		6		5		0		2		0
				6		5		0		2
	0.408	7549				6		5		0
			0.10	58252				6		5
					-0.19	62945				6
							-0.03	19857		}
									-0.07	95535
							1			1
		_		1 1						1
							1			
	}		1				1			

	C	orrelati	ion Values	for Er	mine from	n Keno	ra Trapline	e Regio	on	
Year	Emine	Ermine 6 Years Out	Emine	Ermine 7 Years Out	Emine	Ermine 8 Years Out	Ermine	Ermine 9 Years Out	Ermine	Ermine 10 Years Out
64/65	44	ļ	44		44		44		44	- <b>-</b>
65/66	60	1	60	1	60		60	1	60	1
66/67	54	!	54	1	54	1	54		54	
67/68	76	1	76		76	1	76	:	76	• 
68/69	40	:	40		40		40		40	:
69/70	10		10	:	10	<u> </u>	10		10	
70/71	0	44	0	ļ	0	1	0	1	0	:
71/72	2	60	2	44	2	t.	2		2	
72/73	0	54	0	60	0	44	0	!	0	
73/74	0	76	0	54	0	60	0	44	0	1
74/75	0	40	0	76	0	54	0	60	0	44
75/76	; 0	10	0	40	0	76	; 0	54	0	60
76/77	0	0	. 0	10	0	40	0	76	0	54
77/78	0	2	0	0	0	10	0	40	0	76
78/79	0	0	0	2	0	0	0	10	0	40
79/80	0	0	0	0	0	2	0	0	0	10
80/81	2	0	2	0	2	Ũ	2	2	2	0
81/82	33	. 0	33	0	33	0	33	0	33	2
82/83	10	0	10	0	10	0	10	0	10	0
83/84	7	0	7	0	7	0	7	0	7	0
84/85	5	0	5	0	5	0	5	0	5	0
85/86	23	0	23	0	23	0	23	0	23	0
86/87	25	2	25	0	25	0	25	0	25	0
87/88	31	33	31	2	31	0	31	0	31	0
88/89	4	10	4	33	4	2	4	0	4	0
89/90	2	7	2	10	2	33	2	2	2	0
90/91	0	5	0	7	0	10	0	33	0	2
91/92	0	23	0	5	0	7	0	10	0	33
92/93	2	25	2	23	.2	5	2	7	2	10

93/94	0	31	0	25	0	23	0	5	0	7
94/95	5	4	5 :	31	5	25	5	23	5	5
95/96	6	2	6	4	6	31	6	25	6	23
	1	0		2	1	4		31		25
	1	0		0	1	2		4	ĺ	31
	1	2		0	1	0		2	1	4
	1	0		2	1	0		0		2
	1	5		0	1	2		0		0
	<b></b>	6		5	1	0		2		0
	1			6	1	5		0		2
	-0.00	50122		:		6		5		0
		,	-0.46792	218				6		5
		:	;		-0.49	1605			•	6
						1	-0.47	55325	1	
	:	•				· · · · ·			-0.36	83743

Appendix 7. Mink, muskrat and ermine fur return totals of Registered Traplines within Northwestern Ontario sections A - E

	_		-	_		-	-	-	-	-		-	_	_	_		-	-	-		-
		animi	∃ ←	2		0	•	0		- 40	<b>,</b>	24	10	41	14	17			2		117
	1978	tersland	<b>4</b> 8	8			24		14	! c	124	5 2	50	Į	37	107	9	201	8		871
	1977	Anity	<b>%</b>	-	. 00	4	9	0	28		, K	2	! 'o	88	13	18	0	•	9		252
		Trappers	4 <b>S</b>	-	2	0	-	2	F			0	• •	12	5	6	2	4	e		85
INES		enime	I -	7	0	0	4	2	0	0	•	0	0	50	~	~	0	0	e		69
TRAPI	1977	Musicat	62	7	8	0	28	2	42	9	5	R	15	53	2	8	0	0	27		419
ERED	1976	AniN .	16	7	-	0	S	1	32	2	3	14	2	58	9	15	0	S	ø		183
EGIST		erapper5 #	4	5	5	9	e	1	10	2	e	9	4	11	S	2	2	-	•		72
AKE R		Ermine	1	0	0	0	0	0	38	7	4	6	0	18	0	-	0	0	0		79
REDL	/1976	Muskrat	148	0	0	0	0	9	115	23	14	49	13	308	35	52	115	12	73		80
- A NC	1975	JaiM	9	4	2	0	0	0	29	-	-	8	0	57	12	7	8	0	0		128
ECTION 1		# Trappers	4	4	4	e	+	-	<b>9</b>	2	9	8	3	12	ഹ	4	8	e	9		2
ARIO S		Emine	4	0	0	٤	2	z	16	0	0	11	0	33	0	5	12	0	0		6
I ONT	/1975	Muskrat	92	0	20	2	z	z	141	28	61	239	0	313	203	58	10	67	53		1285
STERN	1974	Mink	=	-	0	2	2	2	9	0	-	n	0	22	80	-	3	-	4		65
THWE		# Trappers	4	2	-	2	2	2	9	-	e	8	7	=	9	9	2	3	9		28
NOR		Emine	2	-	-	-	0	0	17	0	0	4	0	33	0	0	2	-	2		8
	/1974	Muskrat	4	0	-	<b>2</b> 2	0	•	ž	4	9	20	0	92	4	=	88	27	5		420
	1973	AniN	~	0	n	~	0	0	6	-	e	3	0	23	3	4	2	-	-		2
		# Trappers	4	N	-	-	-	-	=	-	2	æ	-	9	8	4	2	3	3		5
		# ənilqarT	-	9		19	8	8	8	स्र	35	ଞ	38	4	<b>8</b>	49	20	51	22		

		ənimi	°E	10	0	2	0	0	-			0		5	10	20	10	2	2		7
	983	Inskrat	v 12	; ~		0	2	-	0		2	2-		22	1	67	81	5	9	<u> </u>	333
	1982/1	Juik		13	6	2	9	0	a	• •	• •	2	╷┥╼╴	. 8	13	36	2	8	6		131
		siappers	<u> </u>	0	8	-	2	6	4	: ~		2	4	4	8	12	2	~	4		28 1
4ES		aunus	┓	2	2	2	9	0		0			0		0			0	0		26 1
APLIN	82													<u> </u>							7 1:
TR	61/1	vinskrat	۳ ۱			•	=		0		F	-	-	80	1	-	ŝ	R	20		27
EREC	198	Vink	4	2	2	~	8	0	27	2	4	=	7	12	12	45	18	12	S		196
EGIST		Frappers #	ŧ ©	8	9	-	S	e	1	8	9	12	4	4	8	5	11	7	e		116
VKE R		emime	2	0	-	0	0	0	æ	0	0	S	0	23	9	æ	0	0	2		65
RED L	1981	terskrat	18	35	13	2	48	36	æ	17	4	8	0	296	73	68	20	8	43		921
NA-F	1980/	Mink	26	16	S	8	18	ຕ	35	-	17	9	S	82	19	24	16	9	15		302
ECTIO		# Trappers	æ	ø	4	-	e	e	14	2	9	12	3	11	~	æ	2	S	ო		<b>5</b>
<b>RIO S</b>		emime	3	-	0	4	4	4	2	0	-	4	0	38	16	2	2	4	2		8
ONTA	1980	Muskrat	8	7	0	~	-	105	50	31	62	50	0	<b>8</b> 8	108	53	4	101	2		13
TERN	1979/	Mink	12	5	5	=	=	=	152	24	17	2	9	81	21	0	9	8	2		<del>6</del>
HWES		# Trappers	7	80	4	2	n	3	4	~	9	12	4	5	~	6	7	S	2		105
NORT		Ermine	9	e	0	0	0	9	-	0	2	2	0	20	4	4	0	0	2		5
	1979	Muskrat	135	-		4	80	22	169	154	113	28	4	103	4	27	4	5	149		10
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		Ermine		9	-	-	4	0	4	0	0	0	2	9	0	16	23	0	0		<b>29</b>
	/1988	Muskrat	19	17	e	172	9	0	18	0	0	2	8	18	8	14	51	0	17		357
	1987	Mink	18	16	19	19	12	0	S	2	6	4	16	4	35	8	9	13	9		327
		# Trappers	8	5	8	2	4	9	11	9	8	8	8	4	8	5	13	8	9		117
LINES		Ermine	0	0	8	0	0	0	0	0	0	0	0	-	9	8	8	0	0		16
TRAPI	1987	terbieuM	8	0	0	0	0	24	0	0	11	0	0	4	0	8	0	13	0		120
ERED	1986	Mink	2	2	17	0	0	-	9	0	2	12	0	18	S	4	9	5	1		151
EGIST		# Trappers	8	9	9	2	4	9	<b>1</b> 6	9	80	13	9	4	9	15	14	8	11		143
AKE RI		Ermine	4	2	-	-	0	0	3	0	0	2	2	9	7	<b>\$</b>	43	ເຕ :	0		118
REDL	/1986	Muskrat	12	0	0	0	0	-	11	0	11	ъ	0	15	37	23	10	0	4		223
I - N N	1985	Mink	38	2	ω	2	2	9	24	2	2	=	-	4	S	69	17	æ	22		238
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I ONT/	/1985	Muskrat	0	0	0	0	0	25	0	0	0	0	0	8	3	82	126	4	2		361
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ARIO S		Emine	8	0	0	0	0	29	1	-	0	15	5	:	21		91	
INO N	/1975	Muskrat	24	0	0	27	0	289	142	24	<b>18</b>	75	104		55		769	
STERN	1974	Mink	9	0	0	4	0	9	3	-	9	6	9	9	9		50	
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NOR		Emine		0	0	0	0	8	+	-	ဗ	-	7	e	0		13	
	/1974	Muskrat	1	0	0	0	0	169	47	8	<b>\$</b>	19	<b>8</b>	21	ଞ		438	
	1973	Mink	2	0	0	0	0	4	0	-	2	9	2	-	0		13	
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REDL	/1986	Muskrat	0	22	0	0	3	78	S	47	43	27	35	0	2		262	
- 8 N	1985	Mink	0	16	0	8	4	29	4	-	10	9	21	-	9		110	
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ARIO S		ermine	0	2	0	2	0	0	0	2	2	9	9	0	7		42	
I ONT/	/1985	Muskrat	0	24	0	0	0	61	9	24	4	97	<b>4</b>	53	17		336	
STERN	1984	Mink	0	8	0	5	7	S	ო	~	0	9	6	0	6		65	
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ERED	1661	Aink	Io	8	0	0	2	10	0	6	4	4	6	0	4		41
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AKE R		Smine	2	0	0	0	0	0	0	0	0	0	0	0	0		2
REDL	1661/	Muskrat	21	0	0	0	0	0	0	0	0	0	0	0	0		21
- 8 N(	1990	Mink	2	9	0	0	9	6	0	0	2	1	0	0	2		28
<b>ECTIC</b>		# Trappers	9	14	8	S	9	13	-	11	12	7	7	2	4		2
<b>ARIO S</b>	; ; ;	Ermine	0	0	0	0	0	0	0	0	0	0	o	0	0		0
I ONT/	/1990	Muskrat	0	-	0	0	0	31	0	2	19	5	13	43	155		269
STERN	1989	Mink	-	9	0	-	3	<b>1</b> 6	-	0	7	2	-	0	0		88
THWE		# Trappers	9	4	9	9	9	13	-	:	12	~	~	2	2		8
NOR		Ermine	0	0	0	4	0	21	0	0	0	4	23	0	S		8
	/1989	Muskrat	0	0	0	0	0	<b>5</b> 8	2	0	0	0	0	17	9		8
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	1978	Muskrat		2	0	-	2	0	0	24	0	12	<b>\$</b>	0	0	0	16	43		147
	1977/	Mink	0		0	9	24	9	0	25	-	4	9	~	0	6	4	17		118
		# Trappers	2	2	-	-	4	2	2	-	2	4	8	-	2	~	4	4		40
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TRAPL	1977	Muskrat	2	2	0	-	18	4	-	S	21	13	2	0	0	~	4	8	Í	160
ERED.	1976/	Mink	2	2	0	9	4	-	-	9	8	9	2	9	0	-	8	26		8
GISTI		# Trappers	-	12	-	-	4	2	+	2	2	2	2	-	2	8	4	2		32
<b>NE RI</b>		Emine	0	1	0	0	0	0	0	0	0	0	-	0	0	0	0	2		æ
SEDL	1976	Muskrat	0	1	0	15	181	11	23	0	0	50	0	13	-	S	6	20		364
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ONTA	1975	Muskrat	16	28	S	2	171	0	12	0	37	60	=	120	0	0	4	<b>9</b> 8		456
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	/1974	Muskrat	0	+	35	3	0	16	27	0	0	2	<b>\$</b>	0	8	0	0	0		130 130
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		1982	Jail	W	2	2	0	0	-	0	0	0	0	2	4	24	6	F	4	4		68
			Trappers	#	2	6	2	-	0	-	4	7	2	6	4	7	+	6	4	9		41
INEC			ənim	Е	2	0	~	0	0	-	0	0	0	0	33	0	S	0	11	0		52
TDADI		79/1	terskrat	N	2		0	2	N	0	12	0	0	18	8	4	-	9	31	0		151
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NOR			Ermine	0	0	0	0	5	8	•		<b>&gt;</b> <	2	14	2	> ~		> 0	0 0	>	17	
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	1988	Auskrat	a o	•	0	0	-	0	21	-	33	0	0	13	a	0	0	-		80
	1987	vlink	10	~	0	0	0	0	2	9	6	9	0	4	2		-	13		108
		F Trappers	¥ -	-	2	-	-	3	3	2	9	2	-	-	-	6	-	2		28
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TRAPI	1987	tersleulv	10	0	22	1	0	6	0	4	0	~	<b>3</b> 2	29	0	0	0	0		199
ERED	1986	Mink.	10	2	0	2	0	0	9	4	0	4	S	=	0	-	0	-		31
EGIST		# Trappers	#-	-	2	2	S	2	e	-	-	t	9	-		9	2	3	   	28
AKE RI		Ermine	0	0	0	2	0	0	0	2	0	15	24	0	0	15	0	-	 	57
REDL	/1986	Muskrat	0	0	0	2	0	0	0	4	œ	39	9	S	2	0	~	-		116
N C - (	1985	Mink	0	0	0	2	-	0	2	2	S	÷	4	8	2	9	-	9	-	50
ECTIO		# Trappers	-	2	e	2	3	-	4	+	-	-	4	-	-	<b></b>	2	14		42
<b>VRIO S</b>		Ermine	0	0	0	0	0	0	-	7	0	9	S	0	0	-	0	0		<del>1</del> 9
I ONTA	/1985	Muskrat	3	0	0	0	0	8	15	35	-	17	94	0	0	=	0	2		183
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NOR		Ermine	2	0	0	0	0	0	0	0	9	0	-	0	0	0	-	0		œ
	/1984	Muskrat	2	0	2	0	0	0	33	6	0	3	8	87	0	0	0	0		179
	1983	Mink	z	8	-	0	2	0	9	6	0	0	9	2	0	9	2	0		88
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AKE R		Smime	0	0	4	0	0	0	S	0	0	0	0	0	0	0	0	0		6
<b>B</b> <b>D</b>	1661/	Muskrat	0	0	0	0	0	0	œ	0	16	0	0	2	0	0	0	0		26
	1990	AniN	0	0	-	0	0	0	5	0	19	-	13	0	0	4	0	-		4
SECTIO		# Trappers	-	8	7	-	-	<b>m</b>	9	2	e	3	2		-	e	ო	ო		34
ARIO S		Ermine	0	0	0	0	0	0	e	0	0	0	0	0	0	0	0	0		9
N ONT	0661/6	Muskrat	0	0	0	0	2	0	19	-	7	7	7	4	0	0	0	-		33
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ARIO	/1975	tersleat	17	<b>5</b>	0	0	0	0	294	Ŧ	43							2		467
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THWE		Ermine	0	0	0	0	2	2	0	2	0	0	0	0	0	0	0	0		6
NOR	6261/	Muskrat	0	0	9	0	83	-	0	9	0									8
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RA/R	1661/	Muskrat	0	0	0	0	0	0	0	0	0	2	2					2		0
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N ONT	1989	Mink	0	0	33	S	-	0	0	0	0	2	2	0	80	ł	0	0		47
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	1988	Mink	2	0	0	0	2	•	0	2	0	2	ł	-	0	0	0	0	-	•
		# Trappers	2	3	2	8	2	-	2	3	7	z	2	2	-	-	2	-		24
		# anilqarT	RL2	RL3	RL4	RL5	RLG	RL8	RL9	RL10	<b>RL11</b>	5 E	<b>K</b> 32	ŝ	Š	K35	<b>£</b> 36	K37		Total

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	1969	Muskrat	19	13	29	32	0	0	0	0	2	0	0	-		2	-	2	0	2	110	0	1	0	2	0	59
	1968/	Mink	6	5	53	4	~	-	6	0	2	0	~	0	1	4	-	2	2	2	15	9	2	0	2	8	13
		# Trappers	2	-	8	8	2	-	-	-	2	-	-	-	2	-	-	2	-	2	-	-	1	-	1	-	-
INES		Emine	9	0	0	0	0	0	0	0	0	0	0	0	9	4	0	0	0	F	1	0		0	0	0	0
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RED 1	1967	Mink	6	0	4	24	0	0	8	0	9	0	0	<b>5</b> 8	16	12	~	2	0	14	2	9		9	25	21	-
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RA RE		Emine	10	2	0	0		0	0	1	0	12	0	-	0	e		0	0	14	0	2			3	0	4
KENO	/1967	Muskrat	112	12	0	50		0	16	2	0	2	0	16	5	0		0	0	328	6	7		1	2	0	0
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NON	/1966	Muskrat	110	<b>2</b> 8	<b>\$</b>				2	0	z	0	0	135	50	68		0	0	113				8	<b>2</b> 9		ł
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NES		Emine	0	0	0	0	0	2	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
RAPLI	1973	Muskrat						2		2							†				-						
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KENO	1972	Muskrat	0	0	13	0	12	2	0	0	0	2	9	32	0	0	2	0	0	0	0	0	0	0	0	0	2
NE-	1971/	Mink	3	S	9	ч	0	2	2	0	-	0	9	8	0	0	1	4	0	ø	6	2	2	0	0	-	2
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<b>ARIO S</b>		Emine	0	0	0	0	0	1	2	0	ł	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
I ONT/	161	Muskrat	<u>8</u>	53	27	0	28	ı	ł	0	2	0	0	0	4	0	0	11	0	1	0	0	11	0	99	0	40
STERN	1970/	Mink	S	0	12	0	9	ł	ł	2	2	0	0	S	0	13	4	S S	-	2	80	7	0	0	e	0	11
<b>THWE</b>		# Trappers	2	-	7	7	-	ł	2	•	2	-	2	-	~	8	-	2	-	1	-	-	-	-	-	-	1
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29	1	2		0	1	1		0	2	3		0						<b> </b>		
Total	17	26	0	0	22	44	0	5	18	19	0	6	1			<u> </u>	1	1	<b> </b> -	

Appendix 8. Intraspecific correlation coefficients calculated for mink, muskrat and ermine fur return totals of Registered Traplines within Northwestern Ontario sections A - E

Andread     Mink 1     Years Out     Mink 1     Years Out       7374     07     Mink 7     Years Out     07     Mink 7     Years Out       7374     07     07     Mink 7     Years Out     07     Mink 7     Years Out       7374     07     Mink 7     Years Out     07     Mink 7     Years Out       7374     07     Mink 7     Years Out     07     Mink 7     Years Out       7374     07     Mink 7     Years Out     07     Mink 7     Years Out       7374     07     Mink 7     Years Out     07     Mink 7     Years Out       7374     07     Mink 7     Years Out     07     Mink 7     Years Out       7374     07     Mink 7     Years Out     07     Mink 7     Years Out       7376     07     Mink 6     Years Out     07     Mink 7     Years Out       738     133     282     133     133     123     343     133       1182     1	-		_	-		_		_						-			_	-
Contraction Values of Mink T     Vears Out     Mink T     Vears Out     Mink T     Vears Out       7374     67     Mink T     Vears Out     66     66     66     66     66     66     66     66     66     66     66     66     66     66     66     66     66     66     66     66     66     66     66     66     66     66     66     66     66     66     66     66     66     66     66     66     66     66     66     66     66     66     66     66     66     66     66     66     66     66     66     66     66     66     66     66     66     66     66     66     66     66     66     66     66     66     66     66     66     66     66     66     66     66     66     66     66     66     66     66     66     66     66     66     66     66     66		tuO znesy 01 knih	¥										67	65	128	183	252	343
Currention values tor mink non-meeter Out     Mink 7 Years Out       3774     67     Mink 7 Years Out       3774     67     Mink 7 Years Out       3774     67     Mink 7 Years Out       3774     67     Mink 7 Years Out       3774     67     Mink 7 Years Out       3774     67     Mink 7 Years Out       3774     67     Mink 7 Years Out       3774     67     Mink 7 Years Out       3774     67     Mink 7 Years Out       3774     67     Mink 7 Years Out       3774     67     Mink 7 Years Out       3774     67     Mink 7 Years Out       377     252     128     128     128       389     401     133     401     128     183     183       188     131     196     131     302     183     313     183     183     183       188     131     183     183     183     183     183     183     183     183       198     13		Anik	<b>R</b> 7	85 65	128	183	252	343	401	302	198	131	85	101	238	151	327	159
Contraction Values for Milink T Years Out       Gear     Milink T Years Out     Milink T Years Out       4/76     66     66     66     66     66     66     66     66     66     66     66     66     66     66     66     66     66     66     66     66     66     66     66     66     66     66     66     66     66     66     66     66     66     66     66     66     66     66     66     66     66     66     66     66     66     66     66     66     66     66     66     66     66     66     66     66     66     66     66     66     66     66     66     66     66     66     66     66     66     66     66     66     66     66     66     66     66     66     66     66     66     66     66     66     66     66     66     66     66     66 <t< td=""><td></td><td>JuO <b>znse</b>Y e kni<b>h</b></td><td>V</td><td></td><td></td><td></td><td></td><td></td><td></td><td>T</td><td></td><td>67</td><td>65</td><td>128</td><td>183</td><td>252</td><td>343</td><td><b>1</b>0</td></t<>		JuO <b>znse</b> Y e kni <b>h</b>	V							T		67	65	128	183	252	343	<b>1</b> 0
Contrained in the problem of the problem of the problem of the problem of the problem of the problem of the problem of the problem of the problem of the problem of the problem of the problem of the problem of the problem of the problem of the problem of the problem of the problem of the problem of the problem of the problem of the problem of the problem of the problem of the problem of the problem of the problem of the problem of the problem of the problem of the problem of the problem of the problem of the problem of the problem of the problem of the problem of the problem of the problem of the problem of the problem of the problem of the problem of the problem of the problem of the problem of the problem of the problem of the problem of the problem of the problem of the problem of the problem of the problem of the problem of the problem of the problem of the problem of the problem of the problem of the problem of the problem of the problem of the problem of the problem of the problem of the problem of the problem of the problem of the problem of the problem of the problem of the problem of the problem of the problem of the problem of the problem of the problem of the problem of the problem of the problem of the problem of the problem of the problem of the problem of the problem of the problem of the problem of the problem of the problem of the problem of the problem of the problem of the problem of the problem of the problem of the problem of the problem of the problem of the problem of the problem of the problem of the problem of the problem of the problem of the problem of the problem of the problem of the problem of the problem of the problem of the problem of the problem of the problem of the problem of the problem of the problem of the problem of the problem of the problem of the problem of the problem of the problem of the problem of the problem of the problem of the problem of the problem of the problem of the problem of the problem of the problem of the problem of th		Nink	67	65	128	183	252	SA3	401	302	196	131	85	101	238	151	327	159
Correlation values for mink from Northwestern Onlario - Section A       Correlation values for mink for mink in the form of the following for the following for the following for the following for the following for the following for the following for the following for the following for the following for the following for the following for the following for the following for the following for the following for the following for the following for the following for the following for the following for the following for the following for the following for the following for the following for the following for the following for the following for the following for the following for the following for the following for the following for the following for the following for the following for the following for the following for the following for the following for the following for the following for the following for the following for the following for the following for the following for the following for the following for the following for the following for the following for the following for the following for the following for the following for the following for the following for the following for the following for the following for the following for the following for the following for the following for the following for the following for the following for the following for the following for the following for the following for the following for the following for the following for the following for the following for the following for the following for the following for the following for the following for the following for the following for the following for the following for the following for the following for the following for the following for the following for the following for the following for the following for the following for the following for the following for the following for the following for the following for the following for the foll		Nink 8 Years Out	•							T	67	65	128	183	252	343	401	302
Contramon Values for Mink From Northwestern Ontanto - Section Values for Min K 7 Years Out       Gear     Min K 7 Years Out     Min K 7 Years Out     Min K 7 Years Out       3774     67     Min K 7 Years Out     67     Min K 7 Years Out       3774     67     Min K 7 Years Out     67     Min K 7 Years Out       3774     67     Min K 2 Years Out     67     Min K 7 Years Out       3774     67     67     Min K 7 Years Out     67     Min K 7 Years Out       3774     67     67     Min K 7 Years Out     67     Min K 7 Years Out       3774     65     65     65     65     65     67     67       677     183     128     343     128     128     128     128     67     67       677     183     401     183     401     128     401     67     67       7     183     343     128     343     128     128     128     128     128     128     128     128     128     128     128	<	Nink	87	8	128	183	252	343	<b>6</b>	302	198	131	85	5	238	151	327	159
Contreation values for mink from western Ontanto - S       Contreation values for mink in K     Mink in K     Years Out       37/4     B7     B7     B7     B7     B7     B7     B7     B7     B7     B7     B7     B7     B7     B7     B7     B7     B7     B7     B7     B7     B7     B7     B7     B7     B7     B7     B7     B7     B7     B7     B7     B7     B7     B7     B7     B7     B7     B7     B7     B7     B7     B7     B7     B7     B7     B7     B7     B7     B7     B7     B7     B7     B7     B7     B7     B7     B7     B7     B7     B7     B7     B7     B7     B7     B7     B7     B7     B7     B7     B7     B7     B7     B7     B7     B7     B7     B7     B7     B7     B7     B7     B7     B7     B7     B7     B7     B7     B7     B7     <	ection	Vink 7 Years Out			Ì	1-				67	65	128	183	252	343	401	302	196
Correlation Values for Mink from Northwesten Onticear     Mink 7 Years     Mink 7 Years     Mink 6 Years     Out       (ear     in in k     in in k     in in k     Years     Years     Out       2774     65     67     67     67     67     67     01       2775     67     67     67     67     67     67     67     67       2776     128     67     65     65     65     65     65     65     65       677     78     783     67     128     128     128     133     133     133     133     133     133     133     133     133     133     133     133     133     133     133     133     133     133     133     133     133     133     133     133     133     133     133     133     133     133     133     133     133     133     133     133     133     133     133     133     133     133     133	ario - S	Mink	67	65	128	183	252	343	40	302	196	131	85	101	238	151	327	159
Contraation values for mink from Nomweste       Contraation values for mink from Nink from Nomweste     Mink fink ink     Mink fink fink fink     Mink fink fink     Mink fink fink     Mink fink fink     Min fink fink     Min fink fink     Min fink fink     Min fink fink     Min fink fink     Min fink     Min fink fink     Min fink fink     Min fink fink     Min fink fink     Min fink fink     Min fink fink     Min fink fink     Min fink fink     Min fink fink     Min fink fink     Min fink fink     Min fink fink     Min fink fink     Min fink fink     Min fink fink     Min fink fink     Min fink fink     Min fink fink     Min fink fink     Min fink fink     Min fink fink     Min fink fink     Min fink fink     Min fink fink     Min fink fink     Min fink     Min fink     Min fink     Min fink     Min fink     Min fink     Min fink     Min fink     Min fink     Min fink     Min fink     Min fink     Min fink     Min fink     Min fink     Min fink     Min fink     Min fink     Min fink     Min fink     Min fink     Min fink     Min fink     Min fink     Min fink     Min fink     Min fink     Min fink     Min fink		Mink 6 Years Out							67	65	128	183	252	343	<u></u>	302	196	131
Contranton values for mink from Non- dear     Contranton values for mink from Non- dear       Contranton values for mink i nk     Min k     Min k     Min k     Min k     Min k       7374     67     67     67     67     67     67     0.ut       7374     67     67     67     67     67     67     0.ut       7374     67     67     67     67     67     67     0.ut       7375     65     67     66     66     66     66     66     66       7475     65     67     66     66     66     66     66     66     66     66     66     66     66     66     66     66     66     66     66     66     66     66     66     66     66     66     66     66     66     66     66     66     66     66     66     66     66     66     66     66     66     66     66     66     67     67	Dweste	Mink	67	65	128	183	252	343	401	302	<b>196</b>	131	85	101	238	151	327	159
Correlation values for mink model     Correlation values for mink model       (ear     Min     Min     Min     Min     Min     Min     Min     Min     Min     Min     Min     Min     Min     Min     Min     Min     Min     Min     Min     Min     Min     Min     Min     Min     Min     Min     Min     Min     Min     Min     Min     Min     Min     Min     Min     Min     Min     Min     Min     Min     Min     Min     Min     Min     Min     Min     Min     Min     Min     Min     Min     Min     Min     Min     Min     Min     Min     Min     Min     Min     Min     Min     Min     Min     Min     Min     Min     Min     Min     Min     Min     Min     Min     Min     Min     Min     Min     Min     Min     Min     Min     Min     Min     Min     Min     Min     Min     Min     Min     Min		Mink 5 Years Out						67	65	128	183	252	343	401	32	196	131	85
Correlation Values for M       Kear     Mink     Mink     Mink     Years     Out       7374     67     65     126     65     128     67     Mink     Years       7374     67     65     126     128     67     67     67     Mink       7374     67     65     65     128     65     183     67     183       7776     522     183     552     128     552     67     65     67     66     66     66     66     66     66     66     66     66     66     66     66     66     183     66     7     7     7     7     7     7     7     7     7     7     7     7     7     7     7     7     7     7     7     7     7     7     7     7     7     7     7     7     7     7     7     7     7     7     7     7     7     7 </td <td></td> <td></td> <td>67</td> <td>65</td> <td>128</td> <td>183</td> <td>252</td> <td>343</td> <td>401</td> <td>302</td> <td>196</td> <td>131</td> <td>85</td> <td><u>10</u></td> <td>238</td> <td>151</td> <td>327</td> <td>159</td>			67	65	128	183	252	343	401	302	196	131	85	<u>10</u>	238	151	327	159
Contreation Value       Fear     Min     Min     Min     Min     Min       7374     67     65     65     65     65     65     65     65     65     65     65     65     65     65     65     65     65     65     65     65     65     65     65     65     65     65     65     65     65     65     65     65     65     65     65     65     65     65     65     65     65     65     65     65     65     65     65     65     65     65     65     65     65     65     65     65     65     65     65     65     65     65     65     65     65     65     65     65     65     65     65     65     65     65     65     65     65     65     65     65     65     65     65     65     65     65     65     65     65     65	N JOI S	Mink 4 Years Out					67	65	128	183	252	343	<b>4</b> 01	302	<b>196</b>	131	85	101
Contention     Contention       7/77     67     Mink 1 Year     Mink 2 Years Out       73/74     67     Mink 2 Years Out     Mink 3 Years Out       73/74     67     Mink 2 Years Out     Mink 3 Years Out       77/75     65     67     67     Mink 3 Years Out       77/76     128     65     128     67     Mink 3 Years Out       77/78     252     183     252     183     343     128       9/80     401     343     252     401     302     343     128       9/80     131     1302     401     252     401     183     343     128       9/80     401     302     343     323     252     65     65     65       9/80     131     302     252     401     183     343     128       9/80     131     302     252     65     65     65     65       9/80     131     302     252     65     65     3	Value	Mink	67	65	128	183	252	343	401	302	198	131	85	<u>to</u>	238	151	327	159
Control     Control     Mink     Mink     Mink     Cut       73/14     67     66     67     66     128       73/14     67     67     67     67     67       73/14     67     67     65     67     66       73/14     67     67     67     67     67       73/14     67     67     67     67     67       71/15     55     183     252     128     67     66       71/16     252     183     252     128     343     302       9/80     401     302     343     302     343     302       3/18     131     196     131     302     131     132       3/18     131     132     252     128     343     302       3/18     131     1302     343     302     131     101       3/18     131     1302     131     302     131     101 <tr< td=""><td></td><td>tuO znseY &amp; XniM</td><td></td><td></td><td>     </td><td>67</td><td>65</td><td>128</td><td>183</td><td>252</td><td>343</td><td>401</td><td>302</td><td>196</td><td>131</td><td>85</td><td>101</td><td>238</td></tr<>		tuO znseY & XniM			   	67	65	128	183	252	343	401	302	196	131	85	101	238
Mink     Mink     Mink     Year       3/14     67     67     67     01       3/14     67     67     67     01       3/14     67     67     67     01       7/175     65     67     65     128     67       6/77     183     128     183     65     133       7/178     252     183     252     133       9/80     401     343     252     138       9/81     343     252     133     65       7/178     252     183     252     133       9/80     401     302     343     365       7/178     252     183     252     133       9/81     32     134     302     343       32/83     131     1302     343     302       32/86     101     302     343     302       32/86     101     238     85     101       51	5	Mink	67	65	128	183	252	343	401	302	196	131	85	101	238	151	327	159
Mink     Mink     Mink       73/14     67     67       73/14     67     67       73/14     67     67       73/14     67     67       73/14     67     67       67/17     183     128       71/178     252     183       71/178     252     183       9/80     401     302       9/80     401     302       3/16     1343     252       8/81     343     252       8/86     3401     302       9/80     343     252       8/86     131     302       9/80     302     133       8/86     238     101       8/86     238     101       8/86     151     327       8/88     153     159       8/88     151     327       8/88     159     327		Mink 2 Years Out			67	65	128	183	252	343	401	302	196	131	85	101	238	151
Mink 1     Year       73/74     67       73/74     67       73/74     67       67/75     65       67/76     128       67/76     128       67/7     183       71/78     252       9/80     401       33/84     85       85/86     238       131     196       327     151       328     101       86/87     151       327     151       327     151       327     151       327     151		Mink	67	65	128	183	252	343	401	302	<b>196</b>	131	85	101	238	151	327	159
Year Mink 13774 67 13774 67 14775 65 15776 128 16777 183 17178 252 1879 343 1316 2588 131 3384 85 1318 32783 131 3288 238 8588 238 151 32783 151		Mink 1 Year Out		67	65	128	183	252	343	401	302	196	131	85	101	238	151	327
73/74 73/74 73/74 71/78 71/78 71/78 71/78 55/86 55/86 55/86 55/86 55/86 55/86 55/86 55/86 55/86 55/86 55/86 55/86 55/86 55/86 55/86 55/86 55/86 55/86 55/86 55/86 55/86 55/86 55/86 55/86 55/86 55/86 55/86 55/86 55/86 55/86 55/86 55/86 55/86 55/86 55/86 55/86 55/86 55/86 55/86 55/86 55/86 55/86 55/86 55/86 55/86 55/86 55/86 55/86 55/86 55/86 55/86 55/86 55/86 55/86 55/86 55/86 55/86 55/86 55/86 55/86 55/86 55/86 55/86 55/86 55/86 55/86 55/86 55/86 55/86 55/86 55/86 55/86 55/86 55/86 55/86 55/86 55/86 55/86 55/86 55/86 55/86 55/86 55/86 55/86 55/86 55/86 55/86 55/86 55/86 55/86 55/86 55/86 55/86 55/86 55/86 55/86 55/86 55/86 55/86 55/86 55/86 55/86 55/86 55/86 55/86 55/86 55/86 55/86 55/86 55/86 55/86 55/86 55/86 55/86 55/86 55/86 55/86 55/86 55/86 55/86 55/86 55/86 55/86 55/86 55/86 55/86 55/86 55/86 55/86 55/86 55/86 55/86 55/86 55/86 55/86 55/86 55/86 55/86 55/86 55/86 55/86 55/86 55/86 55/86 55/86 55/86 55/86 55/86 55/86 55/86 55/86 55/86 55/86 55/86 55/86 55/86 55/86 55/86 55/86 55/86 55/86 55/86 55/86 55/86 55/86 55/86 55/86 55/86 55/86 55/86 55/86 55/86 55/86 55/86 55/86 55/86 55/86 55/86 55/86 55/86 55/86 55/86 55/86 55/86 55/86 55/86 55/86 55/86 55/86 55/86 55/86 55/86 55/86 55/86 55/86 55/86 55/86 55/86 55/86 55/86 56/86 56/86 56/86 56/86 56/86 56/86 56/86 56/86 56/86 56/86 56/86 56/86 56/86 56/86 56/86 56/86 56/86 56/86 56/86 56/86 56/86 56/86 56/86 56/86 56/86 56/86 56/86 56/86 56/86 56/86 56/86 56/86 56/86 56/86 56/86 56/86 56/86 56/86 56/86 56/86 56/86 56/86 56/86 56/86 56/86 56/86 56/86 56/86 56/86 56/86 56/86 56/86 56/86 56/86 56/86 56/86 56/86 56/86 56/86 56/86 56/86 56/86 56/86 56/86 56/86 56/86 56/86 56/86 56/86 56/86 56/86 56/86 56/86 56/86 56/86 56/86 56/86 56/86 56/86 56/86 56/86 56/86 56/86 56/86 56/86 56/86 56/86 56/86 56/86 56/86 56/86 56/86 56/86 56/86 56/86 56/86 56/86 56/86 56/86 56/86 56/86 56/86 56/86 56/86 56/86 56/86 56/86 56/86 56/86 56/86 56/86 56/86 56/86 56/86 56/86 56/86 56/86 56/86 56/86 56/86 56/86 56/86 56/86 56/86 56/86 56/86 56/86 56/86 56/86 56/86 56/86 56/86 56/86 56/86		Mink	67	65	128	183	252	343	401	302	<b>196</b>	131	85	₫	238	151	327	159
		Year	73/74	74/75	75/76	76/77	8/1/2	78/79	79/80	30/81	31/82	32/83	<b>33/84</b>	94/85	35/86	96/87	97/88	38/89

80/00	84	160	94	227	QA J	454	04	220	04	101	04	OF	04	404	04	400		000		104
03/30	04	108	04	321	04	101	04	230	04	101	04	00	04	131	64	190	84	302	84	401
90/91	50	84	50	159	50	327	50	151	50	238	50	101	50	85	50	131	50	196	50	302
91/92	76	50	76	84	76	159	76	327	76	151	76	238	76	101	76	85	76	131	76	196
		76		50		84		159		327		151		238		101		85		131
				76		50		84	·	159		327		151		238		101		85
	0.627	7634				76		50		84		159		327		151		238		101
			0.232	24949				76		50		84		159		327		151		238
					-0.347	9153				76		50	· · · · · · · · · · · ·	84		159		327	···	151
							-0.62	95202				76		50		84		159		327
									-0,52	92004				76		50		84		159
											-0,23	03935				76		50		84
													0,25	5686				76		50
		L						<u> </u>							0,616	38339				76
																	0.452	8994		
														}					-0.02	99629

	Nuskrat 10 Years Out	1										435	1285	996	439	871
	<b>Nuskrat</b>	435	1285	<b>6</b> 00	439	871	101	177	921	277	333	338	361	223	120	357
	tuo sisey 6 testauly		T			T	T	T	T	1	435	1285	996	439	871	1011
	<b>te</b> skr <b>a</b> t	435	1285	<b>096</b>	439	871	101	71	921	277	333	338	361	223	120	357
	tuO areat 8 Years Out		Γ		T	T				435	1285	996	439	871	1011	771
A R	jenysny	435	1285	<b>096</b>	439	871	101	171	921	277	333	338	361	223	120	357
- Kect	Muskrat 7 Years Out								435	1285	996	439	871	1011	771	921
ntario	Muskrat	435	1285	<b>096</b>	439	871	1011	177	921	277	333	338	361	223	120	357
	Muskrat 6 Years Out							435	1285	<b>096</b>	439	871	1011	771	921	277
SAMUEL	Muskrat	435	1285	<b>096</b>	439	871	1011	771	921	277	333	338	361	223	120	357
N HOL	Muskrat 5 Years Out						435	1285	<b>096</b>	439	871	1011	171	921	277	333
ISKI'AL I	Muskrat	435	1285	990	439	871	1011	771	921	277	333	338	361	223	120	357
	Muskrat 4 Years Out					435	1285	990	439	871	1011	771	921	277	333	338
Values	Muskrat	435	1285	990	439	871	1011	71	921	277	333	338	361	223	120	357
Hounest	Muskrat 3 Years Out				435	1285	<b>096</b>	439	871	1011	771	921	277	333	338	361
	Muskat	435	1285	960	439	871	1011	71	921	277	333	338	361	223	120	357
	Muskrat 2 Years Out			435	1285	8	<b>4</b> 39	871	1011	771	921	277	333	338	361	223
	terket	435	1285	<b>99</b> 6	439	871	101	ā	921	277	333	33 <b>8</b> 338	<u>361</u>	223	120	357
	Muskrat 1 Year Out		435	1285	86	439	871	101	1	921	277	333	338	361	223	<b>1</b> 20
	jenkeuM	435	1285	<b>996</b>	439	871	101	111	921	277	333	338	361	223	120	357
	Year	73/74	74/75	75/78	78/77	77/78	78/79	79/80	80/81	81/82	82/83	83/84	84/85	85/86	86/87	87/88

88/89	77	357	77	120	77	223	77	361	77	338	77	333	77	277	77	921	77	771	77	1011
89/90	23	77	23	357	23	120	23	223	23	361	23	338	23	333	23	277	23	921	23	771
90/91	0	23	0	77	0	357	0	120	0	223	0	361	0	338	0	333	0	277	0	921
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	enim3	2	91	62	69	117	101	8	65	126	71	19	63	118	16	59	124
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<b>V</b>	ənim3	2	91	62	69	117	101	8	65	126	11	19	63	118	<b>1</b> 6	<b>2</b> 9	124
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ntario -	enim3	2	91	62	69	117	101	8	65	126	71	<b>9</b>	63	118	16	59	124
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	Year	73/74	74/75	75/76	76/77	77/78	78/79	79/80	80/81	81/82	82/83	83/84	84/85	85/86	86/87	87/88	88/89

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81/82	52	63	52	18	52	47	52	62	52	79	52	8	52	32	52	10	52		52	
82/83	22	52	22	63	22	18	22	47	22	62	22	79	22	8	22	32	22	10	22	
83/84	8	22	8	52	8	63	8	18	8	47	8	62	8	79	8	8	8	32	8	10
84/85	19	8	19	22	19	52	19	63	19	18	19	47	19	62	19	79	19	8	19	32
85/86	57	19	57	8	57	22	57	52	57	63	57	18	57	47	57	62	57	79	57	8
86/87	10	57	10	19	10	8	10	22	10	52	10	63	10	18	10	47	10	62	10	79
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77/78	37	50	37	10	37	45	37	21	37		37		37		37		37		37	
78/79	77	37	77	50	77	10	77	45	77	21	77		77		77	{	77		77	
79/80	45	77	45	37	45	50	45	10	45	45	45	21	45		45		45		45	
80/81	89	45	89	77	89	37	89	50	89	10	89	45	89	21	89	]	89		89	
81/82	32	89	32	45	32	77	32	37	32	50	32	10	32	45	32	21	32		32	
82/83	47	32	47	89	47	45	47	77	47	37	47	50	47	10	47	45	47	21	47	
83/84	15	47	15	32	15	89	15	45	15	77	15	37	15	50	15	10	15	45	15	21
84/85	9	15	9	47	9	32	9	89	9	45	9	77	9	37	9	50	9	10	9	45
85/86	17	9	17	15	17	47	17	32	17	89	17	45	17	77	17	37	17	50	17	10
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26     17     18     11       26     17     18     17       44     26     17     18       19     44     26     17       19     44     26     17       19     44     26     17       19     19     19     44       316317     -0.3327268     -0.3941768	4     26     17     18     17     18     17     18     17     18     17     18     17     18     17     18     17     18     17     18     17     18     17     18     17     18     17     18     17     18     17     18     17     18     17     18     17     18     17     18     17     18     17     18     17     19     14     26     17     19     19     10     10     10     10     10     10     10     10     10     10     10     10     10     10     10     10     10     10     10     10     10     10     10     10     10     10     10     10     10     10     10     10     10     10     10     10     10     10     10     10     10     10     10     10     10     10     10     10     10     10     10 </td <td>44     26     17     16       19     44     26     17     18       19     44     26     17     19       0.223587     -0.0816317     19     44     26       19     -0.33272568     -0.3941768     19</td> <td>19     44     26     17     16     17     16       19     19     44     26     17     18     17     16       19     19     44     26     19     44     26     17       0.223587     -0.0816317     19     44     26     44     26       19     -0.0316317     -0.3327268     -0.3941768     -0.3941768     -0.3941768</td> <td>19 44 26 17 18   0.5679572 19 44 26 17   0.5679572 19 44 26 17   0.5679572 0.223587 19 44 26   19 -0.0816317 19 44   19 -0.33272568 -0.3941768</td>	44     26     17     16       19     44     26     17     18       19     44     26     17     19       0.223587     -0.0816317     19     44     26       19     -0.33272568     -0.3941768     19	19     44     26     17     16     17     16       19     19     44     26     17     18     17     16       19     19     44     26     19     44     26     17       0.223587     -0.0816317     19     44     26     44     26       19     -0.0316317     -0.3327268     -0.3941768     -0.3941768     -0.3941768	19 44 26 17 18   0.5679572 19 44 26 17   0.5679572 19 44 26 17   0.5679572 0.223587 19 44 26   19 -0.0816317 19 44   19 -0.33272568 -0.3941768
17     19     18     19       26     17     26     17       44     26     19     44       19     44     19     19       316317     -0.33272568     -0.3	0     18     17     19     18     19       4     26     44     26     17     19     19     19       7     -0.0816317     -0.33272568     -0.3     -0.3     -0.3     -0.3	44 26 17   19 44 26   19 44 26   0.223587 -0.0816317 19   0.2235687 -0.0816317 -0.33272568   -0.0816317 -0.33272568	19     44     26     17       19     44     26     17       19     44     26     44       19     44     26     44       0.223587     -0.0816317     19     44       10     -0.0816317     -0.33272568     -0.3	19 44 26 17   0.5679572 19 44 26   0.5679572 19 44   0.5679572 0.223567 19   19 -0.0616317 19   10 -0.33272568 -0.33
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26 44 44 44 44 44 44 44 44 44 44 44 44 44	4     26       7     -0.0816317	44     26       19     44       0.223587     -0.0816317	19 44 26   19 19 44   79572 19 44   0.223587 -0.0616317   19 -0.0616317	19     44     26       0.5679572     19     44     26       0.5679572     0.223587     19     44       0.5679572     0.223587     -0.0816317     19       19     -0.0816317     -0.0816317     -0.0816317
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Auskrat 10 Years Out	J										352	753	621	372	359	705	359	58
<b>Je</b> nskief	353	753	831	379	359	205	350	58	0	0	0	0	0	0	0	0	0	31
Auskrat 9 Years Out										352	753	621	372	359	705	359	800	0
<b>Nuskrat</b>	352	753	R21	372	359	705	359	58	0	0	0	0	0	0	0	0	0	31
Vusiciat 8 Years Out									352	753	621	372	359	705	359	<b>8</b> 8	0	0
Muskrat	352	753	621	372	359	705	359	28	0	0	0	0	0	0	0	0	0	31
tuO areaY 7 tentaum								352	753	621	372	359	705	359	58	0	0	0
)erkat	352	753	621	372	359	705	359	58	0	0	0	0	0	0	0	0	0	31
Muskrat 6 Years Out							352	753	621	372	359	705	359	58	0	0	0	0
tenieuM	352	753	621	372	359	705	359	<b>28</b>	0	0	0	0	0	0	0	0	0	31
Muskrat 5 Years Out	1					352	753	621	372	359	705	359	58	0	0	0	0	0
Muskrat	352	753	621	372	359	705	359	<b>28</b>	0	0	•	0	0	0	0	0	0	31
Muskrat 4 Years Out					352	753	621	372	359	705	359	<b>2</b> 8	0	0	0	0	0	0
Muskrat	352	753	621	372	359	705	359	<b>28</b>	0	0	0	0	0	0	0	0	0	3
Muskrat 3 Years Out				352	753	621	372	359	705	359	<b>28</b>	0	0	0	0	0	0	0
Muskrat	352	753	621	372	359	705	359	58	0	0	0	0	0	0	0	0	0	છ
Muskrat 2 Years Out			352	753	621	372	359	705	359	88	0	0	0	0	0	0	0	0
<b>Auskra</b> t	352	753	621	372	359	705	359	<b>58</b>	0	0	0	0	0	0	0	0	0	B
Muskrat 1 Year Out		352	753	621	372	359	705	359	8	0	0	0	0	0	0	0	0	•
Muskræt	352	753	621	372	359	705	359	88	0	0	0	0	0	0	0	0	0	E
Year	64/65	65/66	66/67	67/68	68/69	69/70	70/71	71/72	72/73	73/74	74/75	75/76	76/77	77/78	78/79	79/80	80/81	81/82
	المالية     المالية     المالية     المالية     المالية     المالية     المالية     المالية     المالية     المالية     المالية     المالية     المالية     المالية     المالية     المالية     المالية     المالية     المالية     المالية     المالية     المالية     المالية     المالية     المالية     المالية     المالية     المالية     المالية     المالية     المالية     المالية     المالية     المالية     المالية     المالية     المالية     المالية     المالية     المالية     المالية     المالية     المالية     المالية     المالية     المالية     المالية     المالية <t< td=""><td>Solution   Solution     Solution   Solution     Solution   Solution     Solution   Solution     Solution   Solution     Solution   Solution     Solution   Solution     Solution   Solution     Solution   Solution     Solution   Solution     Solution   Solution     Solution   Solution     Solution   Solution     Solution   Solution     Solution   Solution     Solution   Solution     Solution   Solution     Solution   Solution     Solution   Solution     Solution   Solution     Solution   Solution     Solution   Solution     Solution   Solution     Solution   Solution     Solution   Solution     Solution   Solution     Solution   Solution     Solution   Solution     Solution   Solution     Solution   Solution     Solut</td><td>3333433334343343533Muskraf3533Muskraf3633Muskraf3733Muskraf3333Muskraf3433Muskraf3533Muskraf3633Muskraf3733Muskraf3833Muskraf3934Muskraf3133Muskraf3233Muskraf3333Muskraf343435Muskraf3634373438Muskraf39Muskraf313334Muskraf353436Muskraf373538Muskraf39Muskraf39Muskraf3134323533Muskraf343535Muskraf3635373538Muskraf39343934393539353935393639363936393639363936393639363936393639363936</td></t<> <td>33333433333434343535343535Muskrat3635Muskrat3735Muskrat3835Muskrat3935Muskrat3135Muskrat3235Muskrat3335Muskrat3435Muskrat3535Muskrat3635Muskrat3735Muskrat3835Muskrat3935Muskrat3135Muskrat3235Muskrat3335Muskrat3435Muskrat3535Muskrat3635Muskrat3735Muskrat3835Muskrat3935Muskrat3135Muskrat3535Muskrat3635Muskrat3735Muskrat3835Muskrat3935Muskrat3935Muskrat3935Muskrat3935Muskrat3935Muskrat3935Muskrat3935Muskrat3935Muskrat3935Muskrat3935Muskrat3935Muskrat3935Muskrat&lt;</td> <td>33   33   33   33   33   33   33   33   33   33   33   33   33   33   33   33   33   33   33   33   33   33   33   33   33   33   33   33   33   33   33   33   33   33   33   33   33   33   33   33   33   33   33   33   33   33   33   33   33   33   33   33   33   33   33   33   33   33   33   33   33   33   33   33   33   33   33   33   33   33   33   33   33   33   33   33   33   33   33   33   33   33   33   33   33   33   33   33   33   33   33   33   33   33   33   33   33   33   33   33   33   33   33   33   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  4   4   4   4   4   4   4   4   4   4   4   4   4   4   4   4   4   4   4   4   4   4   4   4   4   4   4   4   4   4   4   4   4   4   4   4   4   4   4   4   4   4   4   4   4   4   4   4   4   4   4   4   4   4   4   4   4   4   4   4   4   4   4   4   4   4   4   4   4   4   4   4   4   4   4   4   4   4   4   4   4   4   4   4   4   4   4   4   4   4   4   4</td><td>0   58   59   53   Muskraft 7 Years Out     0   58   57   33   Muskraft 7 Years Out     0   58   57   35   Muskraft 7 Years Out     0   58   57   35   Muskraft 7 Years Out     0   58   57   35   Muskraft 7 Years Out     0   58   57   35   Muskraft 7 Years Out     0   58   37   35   Muskraft 7 Years Out     0   58   37   35   Muskraft 7 Years Out     0   58   37   35   Muskraft 7 Years Out     0   37   35   Muskraft 7 Years Out     0   37   35   Muskraft 7 Years Out     0   37   35   Muskraft 7 Years Out     0   37   35   Muskraft 7 Years Out     0   36   37   35   Muskraft 7 Years Out     0   37   37   37   37   37     38   37   38   Muskraft 7 Years Out   1     0   38   37   37</td><td>0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0</td><td>1/1/2   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0<td>1000000000000000000000000000000000000</td><td>Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat     0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   <td< td=""><td>1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1</td><td>All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All<td>1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1  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Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat</td></td></td<></td></td></td<></td></td<></td></td<></td>	Solution   Solution     Solution   Solution     Solution   Solution     Solution   Solution     Solution   Solution     Solution   Solution     Solution   Solution     Solution   Solution     Solution   Solution     Solution   Solution     Solution   Solution     Solution   Solution     Solution   Solution     Solution   Solution     Solution   Solution     Solution   Solution     Solution   Solution     Solution   Solution     Solution   Solution     Solution   Solution     Solution   Solution     Solution   Solution     Solution   Solution     Solution   Solution     Solution   Solution     Solution   Solution     Solution   Solution     Solution   Solution     Solution   Solution     Solution   Solution     Solut	3333433334343343533Muskraf3533Muskraf3633Muskraf3733Muskraf3333Muskraf3433Muskraf3533Muskraf3633Muskraf3733Muskraf3833Muskraf3934Muskraf3133Muskraf3233Muskraf3333Muskraf343435Muskraf3634373438Muskraf39Muskraf313334Muskraf353436Muskraf373538Muskraf39Muskraf39Muskraf3134323533Muskraf343535Muskraf3635373538Muskraf39343934393539353935393639363936393639363936393639363936393639363936	33333433333434343535343535Muskrat3635Muskrat3735Muskrat3835Muskrat3935Muskrat3135Muskrat3235Muskrat3335Muskrat3435Muskrat3535Muskrat3635Muskrat3735Muskrat3835Muskrat3935Muskrat3135Muskrat3235Muskrat3335Muskrat3435Muskrat3535Muskrat3635Muskrat3735Muskrat3835Muskrat3935Muskrat3135Muskrat3535Muskrat3635Muskrat3735Muskrat3835Muskrat3935Muskrat3935Muskrat3935Muskrat3935Muskrat3935Muskrat3935Muskrat3935Muskrat3935Muskrat3935Muskrat3935Muskrat3935Muskrat3935Muskrat<	33   33   33   33   33   33   33   33   33   33   33   33   33   33   33   33   33   33   33   33   33   33   33   33   33   33   33   33   33   33   33   33   33   33   33   33   33   33   33   33   33   33   33   33   33   33   33   33   33   33   33   33   33   33   33   33   33   33   33   33   33   33   33   33   33   33   33   33   33   33   33   33   33   33   33   33   33   33   33   33   33   33   33   33   33   33   33   33   33   33   33   33   33   33   33   33   33   33   33   33   33   33   33   33   33   33   33   33   33   33   33   33 <td< td=""><td>3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3</td><td>31   32   32   32   32   32   32   32   32   32   32   32   32   32   32   32   32   32   32   32   32   32   32   32   32   32   32   32   32   32   32   32   32   32   32   32   32   32   32   32   32   32   32   32   32   32   32   32   32   32   32   32   32   32   32   32   32   32   32   32   32   32   32   32   32   32   32   32   32   32   32   32   32   32   32   32   32   32   32   32   32   32   32   32   32   32   32   32   32   32   32   32   32   32   32   32   32   32   32   32   32   32   32   32   32   32   32   32   32   32   32   32   <td< td=""><td>30,11   30,00   30,00   30,00   30,00   30,00   30,00   30,00   30,00   30,00   30,00   30,00   30,00   30,00   30,00   30,00   30,00   30,00   30,00   30,00   30,00   30,00   30,00   30,00   30,00   30,00   30,00   30,00   30,00   30,00   30,00   30,00   30,00   30,00   30,00   30,00   30,00   30,00   30,00   30,00   30,00   30,00   30,00   30,00   30,00   30,00   30,00   30,00   30,00   30,00   30,00   30,00   30,00   30,00   30,00   30,00   30,00   30,00   30,00   30,00   30,00   30,00   30,00   30,00   30,00   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Years Out     0   58   37   35   Muskraft 7 Years Out     0   58   37   35   Muskraft 7 Years Out     0   58   37   35   Muskraft 7 Years Out     0   37   35   Muskraft 7 Years Out     0   37   35   Muskraft 7 Years Out     0   37   35   Muskraft 7 Years Out     0   37   35   Muskraft 7 Years Out     0   36   37   35   Muskraft 7 Years Out     0   37   37   37   37   37     38   37   38   Muskraft 7 Years Out   1     0   38   37   37</td><td>0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0</td><td>1/1/2   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0<td>1000000000000000000000000000000000000</td><td>Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat     0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   <td< td=""><td>1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1</td><td>All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All<td>1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1</td><td>Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat</td></td></td<></td></td></td<></td></td<></td></td<>	3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3	31   32   32   32   32   32   32   32   32   32   32   32   32   32   32   32   32   32   32   32   32   32   32   32   32   32   32   32   32   32   32   32   32   32   32   32   32   32   32   32   32   32   32   32   32   32   32   32   32   32   32   32   32   32   32   32   32   32   32   32   32   32   32   32   32   32   32   32   32   32   32   32   32   32   32   32   32   32   32   32   32   32   32   32   32   32   32   32   32   32   32   32   32   32   32   32   32   32   32   32   32   32   32   32   32   32   32   32   32   32   32   32 <td< td=""><td>30,11   30,00   30,00   30,00   30,00   30,00   30,00   30,00   30,00   30,00   30,00   30,00   30,00   30,00   30,00   30,00   30,00   30,00   30,00   30,00   30,00   30,00   30,00   30,00   30,00   30,00   30,00   30,00   30,00   30,00   30,00   30,00   30,00   30,00   30,00   30,00   30,00   30,00   30,00   30,00   30,00   30,00   30,00   30,00   30,00   30,00   30,00   30,00   30,00   30,00   30,00   30,00   30,00   30,00   30,00   30,00   30,00   30,00   30,00   30,00   30,00   30,00   30,00   30,00   30,00   30,00   30,00   30,00   30,00   30,00   30,00   30,00   30,00   30,00   30,00   30,00   30,00   30,00   30,00   30,00   30,00   30,00   30,00   30,00   30,00   30,00   30,00   30,00   30,00   30,00   30,00   30,00   30,00   30,00   30,00   30,00   <td< td=""><td>33   33   33   33   34   4     33   34   4   4   4   4   4   4   4   4   4   4   4   4   4   4   4   4   4   4   4   4   4   4   4   4   4   4   4   4   4   4   4   4   4   4   4   4   4   4   4   4   4   4   4   4   4   4   4   4   4   4   4   4   4   4   4   4   4   4   4   4   4   4   4   4   4   4   4   4   4   4   4   4   4   4   4   4   4   4   4   4   4   4   4   4   4   4   4   4   4   4   4   4   4   4   4   4   4   4   4   4   4   4   4   4   4   4   4   4   4</td><td>0   58   59   53   Muskraft 7 Years Out     0   58   57   33   Muskraft 7 Years Out     0   58   57   35   Muskraft 7 Years Out     0   58   57   35   Muskraft 7 Years Out     0   58   57   35   Muskraft 7 Years Out     0   58   57   35   Muskraft 7 Years Out     0   58   37   35   Muskraft 7 Years Out     0   58   37   35   Muskraft 7 Years Out     0   58   37   35   Muskraft 7 Years Out     0   37   35   Muskraft 7 Years Out     0   37   35   Muskraft 7 Years Out     0   37   35   Muskraft 7 Years Out     0   37   35   Muskraft 7 Years Out     0   36   37   35   Muskraft 7 Years Out     0   37   37   37   37   37     38   37   38   Muskraft 7 Years Out   1     0   38   37   37</td><td>0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0</td><td>1/1/2   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0<td>1000000000000000000000000000000000000</td><td>Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat     0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   <td< td=""><td>1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1</td><td>All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All<td>1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1</td><td>Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat</td></td></td<></td></td></td<></td></td<>	30,11   30,00   30,00   30,00   30,00   30,00   30,00   30,00   30,00   30,00   30,00   30,00   30,00   30,00   30,00   30,00   30,00   30,00   30,00   30,00   30,00   30,00   30,00   30,00   30,00   30,00   30,00   30,00   30,00   30,00   30,00   30,00   30,00   30,00   30,00   30,00   30,00   30,00   30,00   30,00   30,00   30,00   30,00   30,00   30,00   30,00   30,00   30,00   30,00   30,00   30,00   30,00   30,00   30,00   30,00   30,00   30,00   30,00   30,00   30,00   30,00   30,00   30,00   30,00   30,00   30,00   30,00   30,00   30,00   30,00   30,00   30,00   30,00   30,00   30,00   30,00   30,00   30,00   30,00   30,00   30,00   30,00   30,00   30,00   30,00   30,00   30,00   30,00   30,00   30,00   30,00   30,00   30,00   30,00   30,00   30,00 <td< td=""><td>33   33   33   33   34   4     33   34   4   4   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35   Muskraft 7 Years Out     0   37   37   37   37   37     38   37   38   Muskraft 7 Years Out   1     0   38   37   37</td><td>0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0</td><td>1/1/2   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0<td>1000000000000000000000000000000000000</td><td>Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat     0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   <td< td=""><td>1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1  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   1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1</td><td>Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat</td></td></td<></td></td></td<>	33   33   33   33   34   4     33   34   4   4   4   4   4   4   4   4   4   4   4   4   4   4   4   4   4   4   4   4   4   4   4   4   4   4   4   4   4   4   4   4   4   4   4   4   4   4   4   4   4   4   4   4   4   4   4   4   4   4   4   4   4   4   4   4   4   4   4   4   4   4   4   4   4   4   4   4   4   4   4   4   4   4   4   4   4   4   4   4   4   4   4   4   4   4   4   4   4   4   4   4   4   4   4   4   4   4   4   4   4   4   4   4   4   4   4   4   4	0   58   59   53   Muskraft 7 Years Out     0   58   57   33   Muskraft 7 Years Out     0   58   57   35   Muskraft 7 Years Out     0   58   57   35   Muskraft 7 Years Out     0   58   57   35   Muskraft 7 Years Out     0   58   57   35   Muskraft 7 Years Out     0   58   37   35   Muskraft 7 Years Out     0   58   37   35   Muskraft 7 Years Out     0   58   37   35   Muskraft 7 Years Out     0   37   35   Muskraft 7 Years Out     0   37   35   Muskraft 7 Years Out     0   37   35   Muskraft 7 Years Out     0   37   35   Muskraft 7 Years Out     0   36   37   35   Muskraft 7 Years Out     0   37   37   37   37   37     38   37   38   Muskraft 7 Years Out   1     0   38   37   37	0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0	1/1/2   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0 <td>1000000000000000000000000000000000000</td> <td>Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat     0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   <td< td=""><td>1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1</td><td>All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All   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  1     1     1     1     1     1     1     1</td><td>Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat</td></td></td<></td>	1000000000000000000000000000000000000	Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat     0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0 <td< td=""><td>1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1</td><td>All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All<td>1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1   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Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat</td></td></td<>	1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1	All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All     All    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  1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1</td> <td>Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat</td>	1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1	Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat   Muskrat

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0	0						<b>)</b>   -	0	31	0	0	0	0	0	0	0	0	0	0	0	0	0	0		3796	
0	0	0			•			0	0	0	0	0	0												-0.092	
0	0	0	0	• •				31	0	0	0	0	0	0	0	0	0	0	0	0	0	0		5275		
0	0	0	0	0	0	0		0	0	0	0	0	0											-0.13		
0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0		4431			
0	0	0	0	0	0	0	0	0	0	0	0	0	0										-0.128			
0	0	0	0	0	0	31	0	0	0	0	0	0	0	0	0	0	0	0	0	0		1298				
0	0	0	0	0	0	0	0	0	0	0	0	0	0									0.099				
0	0	0	0	0	31	0	0	0	0	0	0	0	0	0	0	0	0	0	0		<b>B434</b>					
0	0	0	0	0	0	0	0	0	0	0	0	0	0								0.250					-
0	0	0	0	31	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0849				-		
0	0	0	0	o	0	0	0	0	0	0	0	0	0							0.430						
0	0	0	31	0	0	0	0	0	0	0	0	0	0	0	0	0	0		1474							
0	0	0	0	0	0	0	0	0	0	0	0	0	0						0.699							
0	0	31	0	0	0	0	0	0	0	0	0	0	0	0	0	0		1192								
0	0	0	0	0	0	0	0	0	0	0	0	0	0					0.698								
D	31	0	0	0	0	0	0	0	0	0	0	0	0	0	0		191									
0	0	0	0	0	0	0	0	0	0	0	0	0	0				0.662								Ì	1
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0		3413										
5	9	0	0	0	0	0	0	0	0	0	0	0	•			0.813										
20/20	49/20	<b>B4/85</b>	85/86	96/87	87/88	<b>B</b> 8/89	99/90	90/91	91/92	92/93	93/94	94/95	95/96													

					Corre	lation '	Values	for En	mine fr	om No	rthwes	tern O	<b>ntario</b> -	Sectio	n E					
Year	Emine	Ermine 1 Year Out	Emine	Ermine 2 Years Out	Emine	Emine 3 Years Out	Ermine	Ermine 4 Years Out	Ermine	Ermine 5 Years Out	Emine	Ermine 6 Years Out	Ermine	Ermine 7 Years Out	Emine	Ermine 8 Years Out	Ermine	Ermine 9 Years Out	Emine	Ermine 10 Years Out
64/65	31		31		31		31		31		31		31		31		31		31	
65/66	47	31	47		47		47		47		47		47		47		47		47	
66/67	39	47	39	31	39		39		39		39		39		39		39		39	
67/68	28	39	28	47	28	31	28		28		28		28		28		28		28	
68/69	21	28	21	39	21	47	21	31	21		21		21		21		21		21	
69/70	2	21	2	28	2	39	2	47	2	31	2		2		2		2		2	
70/71	0	2	0	21	0	28	0	39	Ō	47	0	31	0		0		0		0	
71/72	2	0	2	2	2	21	2	28	2	39	2	47	2	31	2		2		2	
72/73	0	2	0	0	0	2	0	21	0	28	0	39	0	47	0	31	0		0	
73/74	0	0	0	2	0	0	0	2	0	21	0	28	Ō	39	0	47	0	31	0	
74/75	0	0	0	Ō	0	2	0	0	Ō	2	0	21	0	28	0	39	0	47	0	31
75/76	0	0	0	0	0	0	0	2	Ō	0	0	2	0	21	0	28	0	39	0	47
76/77	0	0	0	0	0	0	0	0	Ō	2	0	0	0	2	0	21	0	28	0	39
77/78	0	0	0	0	0	0	0	0	Ō	0	0	2	0	0	0	2	0	21	0	28
78/79	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	2	0	21
79/80	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	2
80/81	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	2	2	0
81/82	15	2	15	0	15	0	15	0	15	0	15	0	15	0	15	0	15	0	15	2

																_				
82/83	2	15	2	2	2	0	2	0	2	0	2	0	. 2	0	2	0	2	0	2	0
83/84	6	2	6	15	6	2	6	0	6	0	6	0	6	0	6	0	6	0	6	0
84/85	4	6	4	2	4	15	4	2	4	0	4	0	4	0	4	0	4	0	4	0
85/86	19	4	19	6	19	2	19	15	19	2	19	0	19	0	19	0	19	0	19	0
86/87	25	19	25	4	25	6	25	2	25	15	25	2	25	0	25	0	25	0	25	0
87/88	34	25	34	19	34	4	34	6	34	2	34	15	34	2	34	0	34	0	34	0
88/89	2	34	2	25	2	19	2	4	2	6	2	2	2	15	2	2	2	0	2	0
89/90	2	2	2	34	2	25	2	19	2	4	2	6	2	2	2	15	2	2	2	0
90/91	0	2	0	2	0	34	0	25	Ō	19	0	4	0	6	0	2	0	15	0	2
91/92	0	0	0	2	0	2	0	34	0	25	0	19	0	4	D	6	0	2	0	15
92/93	2	0	2	0	2	2	2	2	2	34	2	25	2	19	2	4	2	8	2	2
93/94	0	2	0	0	0	0	0	2	0	2	0	34	0	25	0	19	0	4	0	6
94/95	5	0	5	2	5	0	5	0	5	2	5	2	5	34	5	25	5	19	5	4
95/96	6	5	6	0	6	2	6	0	6	0	6	2	6	2	6	34	6	25	6	19
		6		5		0		2		0		0		2		2		34		25
				6		5	}	0		2		0	[	0		2		2		34
	0.762	23577				6		5		0		2		0		0		2	****	2
			0.535	52838				6		5		0		2		0		0		2
					0.193	9784				6		5		0		2		0		0
							-0.02	B1617				6		5		0		2		0
									-0.19	07536				6		5		0		2
		i									-0,19	52413				6		5		0
	<u> </u>				I								-0,32	65855				6		5
									[						-0.34	2472				6
													[				-0,35	89808		
										]	}	[						[	-0.37	63792

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