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AN INTERIM GUIDE FOR PREPARING  
LOCAL POPULATION PROJECTIONS

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## An Interim Guide for Preparing Local Population Projections

By Fall 1981 or early 1982, detailed results from the 1980 Census will become available. At that time it will be possible to prepare more detailed projections that will incorporate a precise knowledge of 1970-80 population trends. But not every community or agency can wait until the census results are released. The purpose of this guide is to suggest some techniques that can be used in the interim. If you do prepare projections now, it is advisable to review and revise them as necessary after the census results are released.

### Factors Influencing Population Projections:

Basically, a population projection is a well-informed guess about how many persons are going to live in a place at some future date. Usually, this projection is based on past trends. For example, if a community has grown by 2% a year for the past twenty years, it is often assumed that this growth rate will continue into the future.

The difficult part of making projections is determining whether past trends will continue and, if not, how they will change. The future population of a community derives from its present population plus births and net migration less deaths to community residents. Hence, factors that influence births, deaths, or migration will alter the projected population. In addition, the community's population can change simply by altering its boundaries through annexation of populated areas.

There are two approaches to preparing population projections for sub-county areas. One set of methods are the component methods which explicitly incorporate assumptions about births, deaths, and migration to produce detailed projections by age and sex. In order to do a component projection, one must know the age-sex distribution of the current population, as well as

the age-sex pattern of migration and mortality. Such details are only available from census materials; therefore, projections involving component techniques must wait until the 1980 census results become available.

The second approach for preparing subcounty projections is the noncomponent technique. Noncomponent methods only result in projections of the total population. Instead of making explicit assumptions about births, deaths, and migration, the projections only require assumptions about the amount and pace of future population change. Although the same demographic phenomena of births, deaths, and migration affect population change, the non-component methods only consider these variables indirectly.

The kinds of variables that must be taken into consideration for preparing a noncomponent projection are the factors that affect the change in number of households and the composition of those households. Communities that anticipate having several new subdivisions can expect some population growth, while those which expect little new construction, except as replacement of old, deteriorated housing stock probably will experience little population growth, if any. In addition, if the community has many families with children, the community will experience more growth than if many households are comprised of single persons or couples. For this reason, it is important to consider both the numbers and types of families expected to reside in the community.

Generally, communities exert a more direct influence over the number rather than the type of households residing in the community. Explicit measures that alter the number of households are:

1. Annexations or detachments.
2. Zoning and subdivision regulations.
3. Growth policies (either pro or anti-growth)
4. Waste treatment capacity.

Indirectly, the following can affect the community's attractiveness to current or future residents:

1. Ease and cost of commuting to employment areas.
2. Employment opportunities within the community.
3. Amenities (lakes, rivers, etc.).
4. Housing costs.

To a certain extent the type of housing available within a community affects the composition of households. Communities with predominantly single family homes will tend to have mainly families while those with a larger proportion of apartments or mobile homes will have more singles and couples.

Statewide, the declines in household size are expected to continue through the next decades. There will be more elderly, many of whom will live alone. And although we can expect more families with children as the "baby boom" generation begins raising their own children, births are expected to peak late in the mid-1980's. This means that in the 1980's the household size decline may be somewhat less than it has been in the 1970's, but in the 1990's additional declines will be experienced.

The extent to which local communities mirror the statewide trends depends on the types of households residing in the community. If the community has a larger than average proportion of elderly, its household size will decline faster than elsewhere. On the other hand, communities which have fewer singles (old or young) will probably not experience as early or as large a decline in household size.

Unless the community anticipates a substantial reversal or change in the factors affecting the housing supply, the best indicator of the next ten or twenty years is probably the most recent past, i.e. the last ten years. If your community has experienced net in-migration of young families, it is likely that such in-migration will continue, assuming that relative housing

and energy costs continue at the same level. If the community anticipates major revisions in its housing supply or other factors indirectly attracting migrants, with the exception of outright housing shortages the safest "rule of thumb" is that the effect on migration will probably be less and/or slower to appear than you might otherwise expect. Countless communities that expected substantial in-migration due to the opening of new firms have been disappointed by the small number of persons moving in. Likewise, despite very rapid increases in gasoline costs, outlying communities are still preferred by many migrants.

The analyst can simplify the projection task by basing the subcounty projection on county projections prepared by the State Demographer. Because the county projections incorporate explicit assumptions about the county's births, deaths, and migration patterns, city projections "stepped down" from the county projections will automatically embody the most appropriate assumptions. Then, the analyst only needs to make assumptions about the local area's population change relative to that of the county.

Perhaps the toughest aspect of population projections is balancing the "boosterism" expectations against the realities of demographic momentum, namely that "migration turnaround" is not easily or quickly achieved. The best way to handle this dilemma is to prepare more than one projection. When the assumptions pertaining to each projection are spelled out carefully, users of the projection can decide which assumptions are most realistic. Note, however, that it is the responsibility of the analyst to explain the assumptions and give his or her judgment as to the most likely number, given the community's population dynamics and county or statewide trends.

## Alternative Techniques for Projecting Population

Until the 1980 Census results become available, projections incorporate an extra degree of error, in that the current population is only estimated and the real census population may differ from the estimate. Given this built-in error factor, it is unwise to invest a large amount of time or money in preparing highly refined projections.\* Therefore this guide does not discuss housing unit, economic-demographic, component methods, or density methodologies, which are considerably more complicated than the procedures discussed here.

Similarly, given the uncertainty about current population we recommend a maximum projection period of 20 years, to the year 2000. This is also the last date for current county and state projections. Because the projections are either based on or evaluated using the county projections, local projections past 2000 are either not possible or out of context, having no reference point.

Choosing the methods to use depends on the data available, the analyst's expertise, time constraints on producing the projections, and the types of assumptions the analyst is willing to make about the future. We recommend using two different techniques, each with two different sets of assumptions. This results in a range of estimates, from which the analyst can select the most likely. When alternative methods are used it is easier to identify divergent numbers, which might be expected only under unusual or much altered conditions.

All of the methods described here are noncomponent techniques, in that the projection is of a total population which does not derive from the sum of projections of selected age groups or components of the population. The data necessary for the methods are the population of the community from 1960 to the present (i.e. for 1960, 1970, and the most recent estimate since 1970).

\*By the way, the highly refined economic-demographic projections often do not greatly increase the accuracy of the projection, because the assumptions about economic changes and demographic responses to such changes may be incorrect.

In addition, the ratio and share methods require the county population estimates for the same time period and the projections for the future dates required. The simplest techniques are the ratio-trend and share techniques. Although some of the methods require use of logarithms, all can be done on pocket or desk calculators. Once one has made the appropriate assumptions for a given projection, the actual calculations do not take long (i.e. an hour or two).

The following techniques are suitable for projecting city or township populations:

- 1) Ratio-trend method
- 2) Growth rate method
- 3) Share method

The share method is not suitable for jurisdictions in counties where there is dramatic fluctuation in subcounty population growth rates, namely where some places are growing and others losing. Otherwise, analysts may choose any of the methods, regardless of city size or past population growth rates.

To simplify the explanations of the methods, we assume that the analyst is preparing a 1980-2000 projection and has a current community population estimate for January 1, 1980.

#### Ratio-Trend Method

a. Theory: The underlying theory of the ratio-trend method is that a city located within a specific county will continue to include the same ratio or proportion of the county's future population as at present. If that ratio has been increasing or decreasing, then the ratio of city to county future population will reflect this recent trend.

b. Assumptions: The analyst must determine the ratio of city to county population and the historical changes in that ratio. Based on these historical and current ratios, the analyst must make an assumption about how that

ratio will change during the projection period. Where the ratio has been declining, one can generally expect minimal additional declines, but where it has been rising additional increases might be expected. However, the analyst must beware of rapid doubling or tripling of the ratio, as the population growth rate is likely to slow as a city grows. The projected ratio of city to county population is influenced by the continuation or establishment of favorable (disfavorable) conditions for net in-migration and construction of additional housing. Standard assumptions that can be used are that the city will exhibit the same ratio of city to county population as at the current date or that the city's ratio will increase the same proportional amount over the next twenty years as it has in the most recent decade.

c. Data: The data needed are the 1960, 1970, and current population estimates for the city and county, and county total population projections for the desired dates.

d. Procedure: There are four computational steps in the ratio-trend method: Calculation of the historical and current ratios, calculation of changes in the historical ratios, selection of the appropriate ratios for the future, and calculation of the community's future population using the selected ratios.

Step 1: Calculation of Historical Ratios: For a projection to the year 2000, the following ratios are calculated:

$$\text{RATIO}_{60} = \text{CITYPOP}_{60} / \text{COUNTYPOP}_{60}$$

$$\text{RATIO}_{70} = \text{CITYPOP}_{70} / \text{COUNTYPOP}_{70}$$

$$\text{RATIO}_{80} = \text{CITYPOP}_{80} / \text{COUNTYPOP}_{80}$$

where RATIO = The ratio of city to county population in 1960, 1970, or 1980.

CITYPOP = The city's population as of 1960, 1970, or 1980.

COUNTYPOP = The county's population as of 1960, 1970, or 1980.

Step 2: Calculation of the change in the ratios. First calculate the change in the ratios for 1960-70 and 1970-80; then average these two percent changes for the 1960-80 change.

$$\text{CHANGE}_{60-70} = (\text{RATIO}_{70} - \text{RATIO}_{60}) / \text{RATIO}_{60}$$

$$\text{CHANGE}_{70-80} = (\text{RATIO}_{80} - \text{RATIO}_{70}) / \text{RATIO}_{70}$$

$$\text{AVECHANGE}_{60-80} = (\text{CHANGE}_{60-70} + \text{CHANGE}_{70-80}) / 2$$

Step 3: Selection of an Appropriate Ratio for the Projection Periods.

Projections should be made with two or more different assumptions about the future city-county ratios. Typically, each projection includes one of the following assumptions:

- a) The city-county population ratio will be the same as the most recent estimate date throughout the projection period:

$$\text{RATIO}_{90} = \text{RATIO}_{80}$$

$$\text{RATIO}_{2000} = \text{RATIO}_{80}$$

- b) The city-county population ratio will change by the same proportion in 1980-2000 as during 1960-80.

$$\text{RATIO}_{90} = \text{RATIO}_{80} (1 + \text{AVECHANGE}_{60-80})$$

$$\text{RATIO}_{2000} = \text{RATIO}_{90} (1 + \text{AVECHANGE}_{60-80})$$

- c) The city-county population ratio will change at 1/2 the previous decades' change rate. This assumption reflects the assumption that growth will slow down somewhat after 1980.

$$\text{RATIO}_{90} = \text{RATIO}_{80} (1 + 1/2 \text{AVECHANGE}_{60-80})$$

$$\text{RATIO}_{2000} = \text{RATIO}_{90} (1 + 1/2 \text{AVECHANGE}_{60-80})$$

Other assumptions may be made regarding the ratio-trend. If the jurisdiction is expected to capture a much larger share of the county's future population, the ratio must be changed accordingly. For any set of future ratios it is important to specify clearly the assumptions implicit in each ratio.

Step 4: Calculation of the future population. This is simply a matter of multiplying the projected county population by the city-county population ratio for that date.

$$\text{CITYPOP}_{90} = \text{RATIO}_{90} (\text{COUNTYPOP}_{90})$$

$$\text{CITYPOP}_{2000} = \text{RATIO}_{2000} (\text{COUNTYPOP}_{2000})$$

e) Example: Let us assume that we want to make projections for a city with the following population characteristics. The 1980 estimate is a January 1, 1980 estimate prepared by the State Demographer. Although the 1980 estimate is only 9 3/4 years from 1970, we will treat it as if the 1970 and 1980 numbers were ten years apart. The county 1980 estimate is the State Demographer's revised 1980 projection.

	<u>City Population</u>	<u>County Population</u>	<u>City/Co. Ratio</u>	<u>Percent Ratio Change</u>
1960 Census	8,500	25,500	.333	-
1970 Census	10,000	28,000	.357	+7.21%
1980 Estimate	12,000	31,000	.387	+8.40%
1990 Projection	-	32,000	-	-
2000 Projection	-	32,750	-	-

The 1960-1980 ratios have been calculated using the formulas above. For example,

$$\begin{aligned}\text{Step 1: } \text{RATIO}_{60} &= 8500/25,500 \\ &= .333\end{aligned}$$

$$\begin{aligned}\text{Step 2: } \text{CHANGE}_{60-70} &= (.357 - .333) / .333 \\ &= .0721\end{aligned}$$

The average percent change, AVECHANGE<sub>60-80</sub>, is:

$$\begin{aligned}\text{AVECHANGE}_{60-80} &= (.0721 + .0840) / 2 \\ &= .0780\end{aligned}$$

In percent notation the average decade change in the ratio is 7.80%.

Clearly, the city has been increasing its share of the county population. But will these same increases be experienced over the next twenty

years? The following factors will influence the future city/county ratios:

- a) The city's plan and zoning ordinance anticipate a net gain of 500 housing units through the 1980's, but after that date the pace of growth is expected to decline as the city becomes "built out."
- b) Increasingly, the new housing units in the city are apartments, some explicitly designed for the elderly.
- c) The new waste treatment plant currently has a capacity for 17,000. Population growth beyond that would entail expansion, which is not contemplated.
- d) No annexations are planned, as the city has already annexed large portions of townships within its planning area.

These suggest that the city/county population ratio may increase somewhat in the next decade, but after that the ratio may change little.

Now let's look at some alternative projections using the standard assumptions given above:

- 1) Assume no change to the future ratio.

$$\text{Step 3: } \text{RATIO}_{90} = \text{RATIO}_{2000} = \text{RATIO}_{80}$$

$$\begin{aligned}\text{Step 4: } \text{CITYPOP}_{90} &= \text{RATIO}_{80} (\text{COUNTYPOP}_{90}) \\ &= .387 (32,000) \\ &= 12,384\end{aligned}$$

$$\begin{aligned}\text{CITYPOP}_{2000} &= .387 (32,750) \\ &= 12,674\end{aligned}$$

- 2) Assume that the ratio will change by the 1960-80 average decade per cent change, but the change will be slower, taking twenty years, increasing by 1/2 of 7.8% each decade.

$$\begin{aligned}\text{Step 3: } \text{RATIO}_{90} &= \text{RATIO}_{80} (1 + 1/2 \text{ AVECHANGE}_{60-80}) \\ &= .387 (1 + .039) \\ &= .402\end{aligned}$$

$$\begin{aligned}\text{Step 4: } \text{CITYPOP}_{90} &= .402 (32,000) \\ &= 12,864\end{aligned}$$

$$\begin{aligned}\text{Step 3: } \text{RATIO}_{2000} &= .402 (1 + .039) \\ &= .418\end{aligned}$$

$$\begin{aligned}\text{Step 4: } \text{CITYPOP}_{2000} &= .418 (32,750) \\ &= 13,679\end{aligned}$$

3) Assume that the city-county population ratio will continue to increase in 1980-2000 by the same amount it increased 1960-80, 7.8% each decade.

$$\begin{aligned}\text{Step 3: } \text{RATIO}_{90} &= \text{RATIO}_{80} (1 + \text{AVECHANGE}_{60-80}) \\ &= .387 (1.078) \\ &= .417\end{aligned}$$

$$\begin{aligned}\text{Step 4: } \text{CITYPOP}_{90} &= .417 (32,000) \\ &= 13,350\end{aligned}$$

$$\text{Step 3: } \text{RATIO}_{2000} = .417 (1 + .078)$$

$$\begin{aligned}\text{Step 4: } \text{CITYPOP}_{2000} &= .450 (32,750) \\ &= 14,738.\end{aligned}$$

None of these projections show population in excess of the waste treatment plant capacity. The projection using the 1980 ratio appears low, given anticipated new housing units. If the 500 new units are added between 1980 and 1990, a projection of 13,350 may be appropriate for 1990, but the continued growth to 2000 is not consistent with the planned unit growth. Therefore, we should try another set of ratios for 1990-2000, in order to reflect the expected slow-down of unit expansion and more elderly. Let us assume no further increase to the city's share of county population between 1990 and 2000. This gives

$$\text{Step 3: } \text{RATIO}_{2000} = \text{RATIO}_{90} = .417$$

$$\begin{aligned}\text{Step 4: } \text{CITYPOP}_{2000} &= .417 (32,750) \\ &= 13,656\end{aligned}$$

This may be too conservative an assumption, if the city actually attains a population 13,350 by 1990 and additional units are built in the 1990's. An alternative is to allow 1/4 the 1960-80 AVECHANGE for 1990-2000. Then,

$$\begin{aligned}\text{Step 3: } \text{RATIO}_{2000} &= \text{RATIO}_{90} (1 + 1/4 \text{ AVECHANGE}_{60-80}) \\ &= .417 (1.020) = .425\end{aligned}$$

$$\begin{aligned}\text{Step 4: } \text{CITYPOP}_{2000} &= .425 (32,750) \\ &= 13,919\end{aligned}$$

Thus, we project between 13,700 and 13,900 persons for the year 2000, with most of that change occurring 1980-90.

#### Growth Rate Method

a. Theory: The growth rate method does not relate the city's future population to that of the county. Rather, the city's population is projected by extrapolating the city's past growth rate, whether it be positive or negative. The critical factor is the extent to which the analyst assumes that the same growth rate will continue in the next decades. The demographic momentum of the 1970's will translate itself into slower rates of population growth in the 1980's and 1990's. Because the analyst is not explicitly incorporating these trends via county controls, it is necessary to build some slowing of the rate into the projection assumptions. Otherwise, there is a tendency for this method to produce unrealistically high projections for 2000.

The growth rate method more closely models actual population change than any of the other methods. Instead of producing point estimates for each decade, the growth rate method projections result from the cumulative growth of each successive year. The projection results from exponentially applying the average annual growth rate to the previous year's population. These incremental changes reflect the yearly net population changes that actually comprise the decade population change.

One drawback of the growth rate method is that the larger the population to which the growth rate is applied, the larger the absolute population change. If the population is growing, equal absolute population changes result only from successively smaller growth rates.

b. Assumptions: The analyst must calculate the historical growth rates and from these determine what the rate will be in the future. The growth rate that is used may be the average of previous decade rates, the weighted average of these rates, or an extrapolation based on the change in the growth rate. Although analysts often use the percent change to measure the growth rate, it is more accurate to use the average annual rate, which may be computed using logarithms. In addition to the calculation of an extrapolated rate, the analyst may also wish to incorporate some assumptions about changes to the extrapolated rate of growth, e.g. from community pro-growth or anti-growth policies.

c. Data: The data needed are the 1960, 1970, and current population estimates for the city. County estimates projections may also be used to evaluate the projections.

d. Procedure: As for the ratio-trend method, there are four basic steps: Calculation of the historical growth rates, calculation of the change in the growth rates, calculation of growth rates for the projections, and calculation of the future population. Logarithms are used to calculate historical growth rates and expected rates to project the population. Their use simplifies calculations but still reflects the exponential nature of population change.

Step 1: Calculation of the historical growth rates. According to the exponential model of population growth,

$$\text{CITYPOP}_{70} = \text{CITYPOP}_{60} (\text{RATE}_{60-70})^{10}$$

where CITYPOP = the city's population in 1960 or 1970

RATE = the average annual growth rate 1960-70.

An exponent of 10 is used because there are ten years between 1960 and 1970.

Converting to logarithms (base e used here), this is:

$$\ln \text{CITYPOP}_{70} = \ln \text{CITYPOP}_{60} + 10 \ln \text{RATE}_{60-70}$$

Solving for  $\text{RATE}_{60-70}$ , the unknown,

$$\ln \text{RATE}_{60-70} = (\ln \text{CITYPOP}_{70} - \ln \text{CITYPOP}_{60}) / 10$$

The log of  $\text{RATE}_{60-70}$  will be the amount of change each year. The calculator will show  $\ln \text{RATE}$  to be some positive or negative decimal, say .016. If the decimal has a positive sign, the growth rate is positive; if negative, the place has lost population. In this example .016 indicates an average annual rate of 1.6%/year. The RATE to be applied each year is 1 plus the  $\ln \text{RATE}$ . If the population has grown between 1960 and 1970 this gives an exponent of slightly larger than 1; if the population has declined the exponent will be slightly less than 1. In the same manner,

$$\ln \text{RATE}_{70-80} = (\ln \text{CITYPOP}_{80} - \ln \text{CITYPOP}_{70}) / 10$$

Step 2: Calculation of the change in growth rates. The percent change in the growth rate is calculated in the same way as in the ratio-trend method, but in the growth rate method only once for the entire 1960-80 period.

$$\% \text{CHANGE}_{60-80} = (\text{RATE}_{70-80} - \text{RATE}_{60-70}) / \text{RATE}_{60-70}$$

Step 3: Calculation of growth rates for projections. There are several different methods by which to calculate growth rates for the projection period. All use the observed growth rates of the previous decades. The options for extrapolating the rates to the future are: Straight average, weighted average, trend rate, and slowdown rate.

a) Straight average: By this method, the growth rate for the projection period is assumed to remain constant at the 1960-80 average.

$$\text{RATE}_{80-2000} = (\text{RATE}_{60-70} + \text{RATE}_{70-80}) / 2$$

b) Weighted average: This method gives more weight to the recent growth

rates. If desired the weight can be increased to 4, which means dividing by 5 instead of 3.

$$\text{RATE}_{80-2000} = (\text{RATE}_{60-70} + 2 \text{ RATE}_{70-80}) / 3$$

c) Trend rate: The trend rate is calculated by projecting the 1980-2000 rate to change at the same rate as the 1960-80 change. As for the ratio-trend method half the twenty-year changes are applied to each decade.

$$\text{RATE}_{80-90} = \text{RATE}_{70-80} (1 + 1/2 \% \text{CHANGE}_{60-80})$$

$$\text{RATE}_{90-2000} = \text{RATE}_{80-90} (1 + 1/2 \% \text{CHANGE}_{60-80})$$

d) Slowed down rate: Given the expected statewide downturn in births after 1990, it is advisable to "slow down" the growth rate 1990-2000. This may be used with the 1980-90 rates calculated by any of the methods above. Alternatively, if growth has been rapid throughout the previous twenty years, analysts may want to use "slowdown" assumptions for the entire projection period. This is advisable if city growth has paralleled county growth and the county growth is expected to taper off starting in the 1980's.

There are two different ways to slowdown the growth rate. The first reduces the growth rates themselves by a fixed, predetermined amount. The second proportionally reduces the 1980-2000 change in the rates. The first method can produce declines to the growth rates themselves, while the second method assumes that the growth rates continue to increase, but not by as much as the 1960-80 trend.

(1) Rate Slowdown: The exact assumptions will vary from case to case. This example assumes a continuation of the 1970-80 rate of growth through 1990 then a diminution in the rate by half. If the five year projections were made, the rate changes could be made more gradually.

$$\text{RATE}_{80-90} = \text{RATE}_{70-80}$$

$$\text{RATE}_{90-2000} = 1/2 \text{ RATE}_{70-80}$$

(2) Rate Change Slowdown: Again, the most appropriate slowdown assumptions depend on the city's past growth, the relation of city to county population change, and other factors influencing the pace of housing unit expansion. In this instance assume that the city anticipates continued increases to its growth rate through the 1980's but then a drop back to 1970-80 levels. If desired, rate changes can be graduated by five year increments.

$$\text{RATE}_{80-90} = \text{RATE}_{70-80} (1 + 1/2 \% \text{CHANGE}_{60-80})$$

$$\text{RATE}_{90-2000} = \text{RATE}_{70-80}$$

Step 4: Calculation of the future population. The population for each future date is calculated by exponentially applying the growth rate to the base year population for the requisite number of years.

$$\text{CITYPOP}_{90} = \text{CITYPOP}_{80} (1 + \text{RATE}_{80-90})^{10}$$

where "10" refers to the ten years between 1980 and 1990. Converting to logs, this is

$$\ln \text{CITYPOP}_{90} = \ln \text{CITYPOP}_{80} + 10 \ln (1 + \text{RATE}_{80-90})$$

$$\text{CITYPOP}_{90} = e^{\ln \text{CITYPOP}_{90}}$$

The population is the antilog (base e) of the sum of the log 1980 populations and ten times log growth rate plus one, the result of the first equation. Similarly,

$$\ln \text{CITYPOP}_{2000} = \ln \text{CITYPOP}_{90} + 10 \ln (1 + \text{RATE}_{90-2000})$$

$$\text{CITYPOP}_{2000} = e^{\ln \text{CITYPOP}_{2000}}$$

e. Example: Let us continue with the same city used for the ratio-trend example. For the growth-rate method only the following data are needed:

	<u>City Population</u>	<u>Average Annual Rate of Growth</u>	<u>Percent Change in Growth Rate</u>
1960 Census	8,500	-	-
1970 Census	10,000	1.63%/year	-
1980 Estimate	12,000	1.82%/year	11.7%

Step 1: Calculation of the historical growth rates

$$\begin{aligned}\ln \text{RATE}_{60-70} &= (\ln \text{CITYPOP}_{70} - \ln \text{CITYPOP}_{60}) / 10 \\ &= (9.210 - 9.048) / 10 \\ &= .0163\end{aligned}$$

This means the city grew by 1.63% / year between 1960 and 1970

$$\begin{aligned}\ln \text{RATE}_{70-80} &= (\ln \text{CITYPOP}_{80} - \ln \text{CITYPOP}_{70}) / 10 \\ &= .0182\end{aligned}$$

Step 2: Calculation of the rate change

$$\begin{aligned}\% \text{CHANGE}_{60-80} &= (\text{RATE}_{70-80} - \text{RATE}_{60-70}) / \text{RATE}_{60-70} \\ &= (.0182 - .0163) / .0163 \\ &= .1165\end{aligned}$$

Step 3: Calculation of the growth rates for projections

(a) Straight average:

$$\begin{aligned}\text{RATE}_{80-2000} &= (\text{RATE}_{60-70} + \text{RATE}_{70-80}) / 2 \\ &= .0173\end{aligned}$$

(b) Weighted average, with the 1970-80 period weighted twice.

$$\begin{aligned}\text{RATE}_{80-2000} &= (\text{RATE}_{60-70} + 2 \text{ RATE}_{70-80}) / 3 \\ &= .0176\end{aligned}$$

(c) Trend rate, assuming that the 1980-2000 growth rate will change by the same proportion as the 1960-80 growth rate, with the change spread equally over both projection decades.

$$\begin{aligned}\text{RATE}_{80-90} &= \text{RATE}_{70-80} (1 + 1/2 \% \text{CHANGE}_{60-80}) \\ &= .0182 (1.0583) \\ &= .0193\end{aligned}$$

$$\begin{aligned}\text{RATE}_{90-2000} &= \text{RATE}_{90-2000} (1 + 1/2 \% \text{CHANGE}_{60-80}) \\ &= .0193 (1.0583) \\ &= .0204\end{aligned}$$

(d) Slowed down rate, assuming that the rate for 1980-90 is the 1970-80 rate of growth increased by the earlier decades' trend, but that growth slows down after 1990, gradually returning to the 1960-70 rate. For illustrative purposes, the changes are graduated into five year intervals.

$$\begin{aligned}\text{RATE}_{80-85} &= \text{RATE}_{70-80} (1 + 1/4 \% \text{CHANGE}_{60-80}) \\ &= .0182 (1.0291) \\ &= .0187\end{aligned}$$

$$\begin{aligned}\text{RATE}_{85-90} &= \text{RATE}_{80-85} (1 + 1/4 \% \text{CHANGE}_{60-80}) \\ &= .0187 (1.0291) \\ &= .0192\end{aligned}$$

$$\begin{aligned}\text{RATE}_{90-95} &= (\text{RATE}_{85-90} + \text{RATE}_{60-70}) / 2 \\ &= .0178\end{aligned}$$

$$\begin{aligned}\text{RATE}_{95-2000} &= \text{RATE}_{60-70} \\ &= .0163\end{aligned}$$

#### Step 4: Calculation of the population projections

##### (a) Straight average:

$$\begin{aligned}\ln \text{CITYPOP}_{90} &= \ln \text{CITYPOP}_{80} + 10 \ln (1 + \text{RATE}_{80-2000}) \\ &= 9.3927 + 10(.0172) \\ &= 9.5642\end{aligned}$$

$$\begin{aligned}\text{CITYPOP}_{90} &= e^{9.5642} \\ &= 14,246\end{aligned}$$

$$\begin{aligned}\ln \text{CITYPOP}_{2000} &= \ln \text{CITYPOP}_{90} + 10 \ln (1 + \text{RATE}_{80-2000}) \\ &= 9.5642 + 10 (.0172) \\ &= 9.7362\end{aligned}$$

$$\text{CITYPOP}_{2000} = 16,919$$

##### (b) Weighted average:

$$\begin{aligned}\ln \text{CITYPOP}_{90} &= \ln \text{CITYPOP}_{80} + 10 \ln (1 + \text{RATE}_{80-2000}) \\ &= 9.3927 + 10(.0174) \\ &= 9.5672\end{aligned}$$

$$\text{CITYPOP}_{2000} = 14,288$$

$$\begin{aligned}\ln \text{CITYPOP}_{2000} &= 9.5672 + 10 (0.0174) \\ &= 9.7412\end{aligned}$$

$$\text{CITYPOP}_{2000} = 17,003$$

(c) Trend rate:

$$\begin{aligned}\ln \text{CITYPOP}_{90} &= \ln \text{CITYPOP}_{80} + 10 \ln (1 + \text{RATE}_{80-90}) \\ &= 9.3927 + 10 (.0191) \\ &= 9.5837\end{aligned}$$

$$\text{CITYPOP}_{2000} = 14,526$$

$$\begin{aligned}\ln \text{CITYPOP}_{2000} &= 9.5837 + 10 (.0202) \\ &= 9.7856\end{aligned}$$

$$\text{CITYPOP}_{2000} = 17,777$$

(d) Slowed down rate:

$$\begin{aligned}\ln \text{CITYPOP}_{85} &= \ln \text{CITYPOP}_{80} + 5 \ln (1 + \text{RATE}_{80-85}) \\ &= 9.4853\end{aligned}$$

$$\text{CITYPOP}_{85} = 13,166$$

$$\begin{aligned}\ln \text{CITYPOP}_{90} &= \ln \text{CITYPOP}_{85} + 5 \ln (1 + \text{RATE}_{85-90}) \\ &= 9.5809\end{aligned}$$

$$\text{CITYPOP}_{90} = 14,485$$

$$\begin{aligned}\ln \text{CITYPOP}_{95} &= \ln \text{CITYPOP}_{90} + 5 \ln (1 + \text{RATE}_{90-95}) \\ &= 9.6691\end{aligned}$$

$$\text{CITYPOP}_{95} = 15,821$$

$$\begin{aligned}\ln \text{CITYPOP}_{2000} &= \ln \text{CITYPOP}_{95} + 5 \ln (1 + \text{RATE}_{95-2000}) \\ &= 9.7499\end{aligned}$$

$$\text{CITYPOP}_{2000} = 17,153$$

According to these projections the city is likely to exceed its waste treatment capacity by the year 2000. The example clearly demonstrates the tendency for the growth rate method to produce higher projections, given the same types of assumptions as the ratio-trend method. This is because there are no built-in controls to the county projections. In this particular example, the slowdown brings the projection back closer to the ratio-trend method results, but evaluation of the projections against the planned housing unit

changes shows that the projections are still too high. Now, let us try a slowdown to the rate.

Step 3: Assume that the 1980-90 rate of growth will not increase above the 1970-80 level and that after 1990 the rate drops to the 1960-70 level.

$$\text{RATE}_{80-90} = \text{RATE}_{70-80} = .0182$$

$$\text{RATE}_{90-2000} = \text{RATE}_{60-70} = .0163$$

$$\begin{aligned}\text{Step 4: } \ln \text{CITYPOP}_{90} &= \ln \text{CITYPOP}_{80} + 10 \ln (1 + \text{RATE}_{80-90}) \\ &= 9.3927 + .1804 \\ &= 9.5731\end{aligned}$$

$$\text{CITYPOP}_{90} = 14.372$$

$$\begin{aligned}\ln \text{CITYPOP}_{2000} &= \ln \text{CITYPOP}_{90} + 10 \ln (1 + \text{RATE}_{90-2000}) \\ &= 9.5731 + .1617\end{aligned}$$

$$\text{CITYPOP}_{2000} = 16,895$$

Even with a rate slowdown the 1990 and 2000 projections are still inconsistent with the anticipated housing unit changes. This example underscores the necessity to use the growth rate method cautiously, being wary of runaway projections.

#### Share Method

a. Theory: The share method is similar to the ratio-trend method, in that the city's population projection is based on the county's. However, with the share method only the additional growth of the county is allocated to the cities within the county. The method is clearly not appropriate for growing cities in declining counties or for declining cities in growing counties. Further, if there are both large losses and large gains among cities, the method is also not going to yield reasonable results, because the county change is only net change, and this may be small if gains and losses balance each other out.

b. Assumptions: The analyst must determine the share of additional county growth accruing to the city in the past. From this analysis he or she must make an assumption concerning the proportion of future net county growth that will be attributed to the city. As with the ratio and growth rate methods, the future share may be based on a past average share, a weighted average, or some trended share. Again, the expected shares can be influenced by future events that significantly alter the city's attractiveness or "holding capacity" relative to other places in the county.

c. Data: Data necessary for the method are the same as those for the ratio-trend method.

d. Procedure: The share method involves the same four basic steps as the ratio-trend method, but instead of calculating the city's share of total county population only the share of county population change is calculated.

Step 1: Calculation of the historical shares.

$$\text{SHARE}_{60-70} = (\text{CITYPOP}_{70} - \text{CITYPOP}_{60}) / (\text{COUNTYPOP}_{70} - \text{COUNTYPOP}_{60})$$

$$\text{SHARE}_{70-80} = (\text{CITYPOP}_{80} - \text{CITYPOP}_{70}) / (\text{COUNTYPOP}_{80} - \text{COUNTYPOP}_{70})$$

$$\text{AVESHARE}_{60-80} = (\text{SHARE}_{60-70} + \text{SHARE}_{70-80}) / 2$$

where SHARE = The city's share of the county population change in the designated interval

Step 2: Calculation of the change in the shares.

$$\% \text{CHANGE}_{60-80} = (\text{SHARE}_{70-80} - \text{SHARE}_{60-70}) / \text{SHARE}_{60-70}$$

If the intervals between estimates or census figures are not equal, the analyst will have to extrapolate the smaller interval's change to the full ten year period before calculating the change in share.

Step 3: Calculation of the future shares. As for the ratio-trend method, there are several different ways to calculate the city-county shares for the projection period. The assumptions about the future shares depend on

the analyst's perception of how closely city population change will parallel county change and whether specific conditions will significantly alter the city's share of county population change.

(a) Average share: This option implies that the city's share of county growth will remain constant at the 1960-80 level.

$$\text{SHARE}_{80-2000} = \text{AVESHARE}_{60-80}$$

(b) Weighted share: This implies that the city's share of future county population change will more closely resemble the share of the more recent decade.

$$\text{SHARE}_{80-2000} = (\text{SHARE}_{60-70} + 2 \text{ SHARE}_{70-80}) / 3$$

As for the other weighted average calculations the weight on the 1970-80 SHARE may be increased.

(c) Trend share: The trend method of share calculation assumes that the city's share of county population growth will change in the future in the same manner as it has in the past. The changes may be spread over five or ten year increments. Also, the changes may equal those of the 1960-80 period or they may be more or less, if the analyst has sound reasons for expecting a significant change to the trend. Here, we give the equations for ten year increments of share change matching the 1960-80 changes.

$$\text{SHARE}_{80-90} = \text{SHARE}_{70-80} (1 + 1/2 \% \text{CHANGE}_{60-80})$$

$$\text{SHARE}_{90-2000} = \text{SHARE}_{80-90} (1 + 1/2 \% \text{CHANGE}_{60-80})$$

Step 4: Calculation of the population projection. The projected population is calculated incrementally as the base population plus the city's share of county population change for the projection interval.

$$\text{CITYPOP}_{90} = \text{CITYPOP}_{80} + (\text{SHARE}_{80-90}) (\text{COUNTYPOP}_{90} - \text{COUNTYPOP}_{80})$$

$$\text{CITYPOP}_{2000} = \text{CITYPOP}_{90} + (\text{SHARE}_{90-2000}) (\text{COUNTYPOP}_{2000} - \text{COUNTYPOP}_{90})$$

e. Example: Continuing with the same example,

	<u>City Population</u>	<u>County Population</u>	<u>City Share of Change</u>	<u>Percent Change of Share</u>
1960 Census	8,500	25,500	-	-
1970 Census	10,000	28,000	.600	-
1980 Estimate	12,000	31,000	.667	11.2%
1990 Projection	-	32,000	-	-
2000 Projection	-	32,750	-	-

Step 1: Calculation of the historical shares.

$$\text{SHARE}_{60-70} = (10,000 - 8,500) / (28,000 - 25,500)$$

$$= .600$$

$$\text{SHARE}_{70-80} = (12,000 - 10,000) / (31,000 - 28,000)$$

$$= .667$$

$$\text{AVESHARE}_{60-80} = .634$$

Step 2: Calculation of the change in the shares.

$$\% \text{CHANGE}_{60-80} = (.667 - .600) / .600$$

$$= .112$$

Step 3: Calculation of the future shares.

(a) Average share: Assume that the city's share of county population change will hold constant at the 1960-80 average.

$$\text{SHARE}_{80-2000} = \text{AVESHARE}_{60-80} = .634$$

(b) Weighted share: Assume that the city's share of county population change will be closer to the 1970-80 share.

$$\text{SHARE}_{80-2000} = (\text{SHARE}_{60-70} + 2 \text{ SHARE}_{70-80}) / 3$$

$$= .645$$

(c) Trend share: Assume that the city will increase its share by the same amount as in 1960-80.

$$\begin{aligned} \text{SHARE}_{80-90} &= \text{SHARE}_{70-80} (1 + 1/2 \% \text{CHANGE}_{60-80}) \\ &= .667 (1.056) \\ &= .704 \end{aligned}$$

$$\begin{aligned} \text{SHARE}_{90-2000} &= \text{SHARE}_{80-90} (1 + 1/2 \% \text{CHANGE}_{60-80}) \\ &= .704 (1.056) \\ &= .743 \end{aligned}$$

Step 4: Calculation of the future population.

(a) Average share:

$$\begin{aligned} \text{CITYPOP}_{90} &= \text{CITYPOP}_{80} + \text{SHARE}_{80-2000} (\text{COUNTYPOP}_{90} - \text{COUNTYPOP}_{80}) \\ &= 12,000 + .634 (1000) \\ &= 12,634 \end{aligned}$$

$$\begin{aligned} \text{CITYPOP}_{2000} &= \text{CITYPOP}_{90} + \text{SHARE}_{80-2000} (\text{COUNTYPOP}_{2000} - \text{COUNTYPOP}_{90}) \\ &= 12,634 + .634 (750) \\ &= 13,109 \end{aligned}$$

(b) Weighted share:

$$\begin{aligned} \text{CITYPOP}_{90} &= \text{CITYPOP}_{80} + \text{SHARE}_{80-2000} (\text{COUNTYPOP}_{90} - \text{COUNTYPOP}_{80}) \\ &= 12,000 + .645 (1000) \\ &= 12,645 \\ \text{CITYPOP}_{2000} &= 12,645 + .645 (750) \\ &= 13,129 \end{aligned}$$

(c) Trend share:

$$\begin{aligned} \text{CITYPOP}_{90} &= \text{CITYPOP}_{80} + \text{SHARE}_{80-90} (\text{COUNTYPOP}_{90} - \text{COUNTYPOP}_{80}) \\ &= 12,000 + .704 (1000) \\ &= 12,704 \\ \text{CITYPOP}_{2000} &= 12,704 + .743 (750) \\ &= 13,261 \end{aligned}$$

Note that this method results in much lower numbers than any of the other methods. This could be due to imbalanced growth patterns, whereby some cities are losing while others are growing. Because of the likely

distortion of results from the mix of growing and declining cities in a county, we do not recommend use of the share method unless there is clear reason to expect all growing or all declining cities, or at least very few communities with population changes the reverse of the county trend.

#### Evaluation of Projections:

After the projections have been prepared, they need to be evaluated. It is advisable to consider the following:

- 1) Are there any mathematical errors in the calculations? Check and recheck; mistakes can be avoided but once numbers are released they are difficult to rectify.
- 2) Which projections make sense given historical trends? Beware of any sudden changes in the growth rate or of reversals in the historical trends. Radical changes in the proportion of county population residing in the city are unlikely; therefore, the city-county proportion is one indicator of reasonability. Also, in many counties there is a definite hierarchy of cities; and growth in smaller cities depends on growth in the larger city. This is particularly true for cities or towns which function as bedroom communities or satellite cities to the largest city in that county or a neighboring one.
- 3) Which projection makes sense given the analyst's expectation about likely growth patterns in the next twenty years? The population projections need to be evaluated in terms of community zoning and development plans, anticipated waste treatment capacity, expected changes in the mix of housing units favoring more apartments or mobile homes, and the likely demographic composition of the population (e.g., more elderly, baby boom children marrying and having children, migration patterns).
- 4) If the projection were made using another method, what assumptions would have been necessary? It is often useful to start with the projection and work backwards with another method to see whether the number is tenable

given those assumptions. For example, say that a growth rate projection is 12,000. To evaluate this number, we calculate what ratio this is of the total county population and compare this ratio to the present ratio. If the change in the ratio is excessive (or too little), then this indicates that the projection may be inappropriate. In this way, each method can be evaluated with any of the other methods.

5) Is there a tight range within which numbers produced by alternative methods converge? If so, this may be the most "likely" range for the projection. If several projections are produced, it is advisable to select the most appropriate three or four for release. We prefer to talk in terms of a "most likely range" ( $\pm 5\%$ ), but to also give lower or higher figures which result from specific changes to the implicit assumptions about migration and so on. All projections should be released with an accompanying description of the basic assumptions.

Appendix:

For your information, attached are the most recent State Demographer County population projections, the 1960 and 1970 Census populations for cities over 2500 in 1970, and the 1980 population estimates prepared by the State Demographer.

**CORRECTION NOTE**

The official 1970 population count for Minnesota is 3,805,069. This differs from the figure of 3,804,971 shown in the tables of this report; the correction results from errors found after the tabulations were completed. The tables have not been revised to reflect either this correction or the corrections listed below for counties, county subdivisions, and places (or for the larger areas of which they are a part).

	1970 population		1970 population	
	As shown in the tables	Corrected	As shown in the tables	Corrected
Anoka County.....	154,556	154,712	Nobles County:	
Anoka city.....	13,489	13,298	Lorain township.....	514 504
Blaine city (part).....	20,635	20,568	Worthington city.....	9,825 9,916
Circle Pines village.....	3,918	3,902	Worthington township.....	891 810
Lexington village.....	1,926	2,165	Ramsey County:	
Ramsey township.....	2,536	2,727	Arden Hills village.....	5,628 5,149
Beltrami County:			Falcon Heights village.....	5,507 5,530
Waskish township.....	-	138	Lauderdale village.....	2,419 2,530
Unorg. Terr. of Upper Red Lake.....	239	101	Maplewood village.....	25,222 25,186
Carver County.....	28,310	28,331	Mounds View village.....	9,988 10,599
Hamburg village.....	377	405	Roseville village.....	34,518 34,438
Young America township.....	963	956	St. Paul city.....	309,980 309,866
Clay County.....	46,585	46,608	Shoreview village.....	11,034 10,978
Hitterdal village.....	178	201	Vadnais Heights village.....	3,391 3,411
Dakota County:			Todd County:	
Lilydale village.....	664	322	Staples city <sup>2</sup> .....	2,657 (3)
Mendota Heights village.....	6,165	6,565	Wadena County:	
Mendota village.....	327	266	Staples city (part).....	(4) 98
West St. Paul city.....	18,799	18,802	Thomas town township.....	748 650
Douglas County.....	22,892	22,910	Washington County.....	82,948 83,003
Carlos village.....	260	278	Dellwood village.....	514 524
Fillmore County:			Lake Elmo village.....	4,032 3,565
Ostrander village.....	216	268	Lincoln township.....	1,309 1,215
York township.....	529	477	Oakdale village.....	7,304 7,795
Goodhue County.....	34,763	34,804	Pine Springs village.....	23 138
Dennison village.....	162	203	Wright County:	
Hennepin County:			Marysville township.....	1,508 1,481
Medicine Lake village.....	930	446	Waverly village.....	546 573
Plymouth village.....	17,593	18,077	Yellow Medicine County.....	14,418 14,523
Houston County:			Canby city.....	2,081 2,147
La Crescent township.....	1,486	1,332	Norman township.....	455 389
La Crescent village.....	3,142	3,296	St. Leo village.....	48 153
Isanti County:			Blaine city (total).....	20,640 20,573
Cambridge township.....	1,427	2,174	Staples city (total).....	2,657 2,755
Cambridge village.....	3,467	2,720	Crow Wing County: Breezy Point village shown as Pelican Lakes village.	
Koochiching County:			Hennepin County: Brooklyn Park city shown as Brooklyn Park village.	
Nett River township.....	4	(1)	Stearns County: Kimball village shown as Kimball Prairie village.	
Unorg. Terr. of Northeast Koochiching.....	4,946	4,950	Minneapolis-St. Paul Urbanized Area:	
Meeker County.....	18,810	18,387	Anoka County (part)--	
Acton township.....	862	394	Change population of Blaine city (part) in urbanized area from 19,900 to 19,833	
Darwin township.....	552	431	Hennepin County (part)--	
Darwin village.....	224	361	Add (part) to Minnetrista village. Change population in urban- ized area from 2,678 to 1,909. Figure shown includes 969 pop- ulation in rural part of Minnetrista.	
Grove City village.....	502	531	Delete St. Bonifacius village erroneously included in the area.	
Mower County.....	43,783	44,919	Scott County (part)--	
Austin city.....	25,074	26,210	Add (part) to Savage village. Change population in urbanized area from 3,611 to 1,582. Figure shown includes 2,029 pop- ulation in rural part of Savage.	

<sup>1</sup>Delete, disorganized prior to 1970.

<sup>2</sup>Add (part).

<sup>3</sup>No change.

<sup>4</sup>Not shown separately.

Source: U.S. Bureau of the Census, U.S. Census of Population: 1970, "Number of Inhabitants," Final Report PC(1)-A25 Minnesota, pages 25-6, 25-22 through 25-41.

Table 10. Population of County Subdivisions: 1970 and 1960

[Total population of a place in two or more county subdivisions appears in table 6. County subdivision figures for 1960 do not necessarily add to county totals. For meaning of symbols, see text.]

County Subdivisions	1970	1960	Percent change	County Subdivisions	1970	1960	Percent change
Aitkin County.....	11,403	12,162	-6.2	Becker County--Con.			
Aitkin township.....	1,107	1,021	8.4	Callaway township.....	315	338	-6.8
Aitkin village.....	1,553	1,829	-15.1	Callaway village.....	233	235	-0.9
Ball Bluff township.....	283	358	-20.9	Carsonville township.....	279	421	+33.7
Balsam township.....	29	28	3.6	Cormorant township.....	409	370	10.5
Beaver township.....	50	69	-27.5	Cuba township.....	280	302	-7.3
Clark township.....	158	174	-9.2	Detroit Lakes city <sup>3</sup> .....	5,797	5,633	2.9
Cornish township.....	24	46	-47.8	Detroit township <sup>3</sup> .....	2,340	1,910	-22.5
Farm Island township.....	517	467	10.7	Erie township.....	763	635	-20.2
Fleming township.....	181	216	-16.2	Evergreen township.....	311	409	-24.0
Glen township.....	276	218	26.6	Fraze village.....	1,015	1,083	-6.3
Haugen township.....	116	135	-14.1	Green Valley township.....	311	374	-16.8
Hazelton township.....	377	385	-2.1	Hamden township.....	298	306	-2.6
Hill City village <sup>1</sup> .....	357	429	-16.8	Haight of Land township <sup>3</sup> .....	524	384	36.5
Hill Lake township <sup>1</sup> .....	298	296	0.7	Holmesville township.....	296	273	8.4
Idun township.....	162	151	7.3	Lake Eunice township.....	620	474	30.8
Jevne township.....	212	225	-5.8	Lake Park township <sup>3</sup> .....	450	445	1.1
Kickerly township.....	203	231	-12.1	Lake Park village.....	658	730	-9.9
Lakeside township.....	303	311	-2.6	Lake View township <sup>3</sup> .....	1,856	1,555	19.4
Lee township.....	39	54	-27.8	Maple Grove township.....	269	270	-0.4
Libby township.....	52	87	-40.2	Ozeme village.....	236	224	5.4
Logan township.....	251	301	-16.6	Osage township.....	498	475	4.8
McGrath village.....	70	96	-27.1	Pine Point township.....	459	596	-23.0
McGregor township.....	106	107	-0.9	Ricaville township.....	181	212	-14.6
McGregor village.....	331	283	17.0	Richwood township.....	476	555	-14.2
Macville township.....	226	247	-8.5	Round Lake township.....	154	163	-5.5
Malone township.....	211	221	-4.5	Runeburg township.....	335	424	-21.0
Morrison township.....	222	246	-9.8	Savannah township.....	108	131	-17.6
Nordland township.....	368	333	10.5	Shell Lake township.....	254	253	0.4
Palisade village.....	149	180	-17.2	Silver Leaf township.....	442	435	1.6
Pliny township.....	126	161	-21.7	Spring Creek township.....	184	208	-11.5
Rice River township.....	145	181	-19.9	Spruce Grove township <sup>3</sup> .....	410	396	3.5
Salo township.....	107	157	-31.8	Sugar Bush township.....	258	277	-6.9
Seavey township.....	60	84	-28.6	Toad Lake township.....	409	418	-2.2
Shamrock township.....	465	381	22.0	Two Inlets township.....	201	196	2.6
Spalding township.....	175	253	-30.8	Walworth township.....	212	259	-18.1
Stancer township.....	374	347	7.8	Waite Earth township.....	667	753	-11.4
Tamarack village.....	100	112	-10.7	Wolf Lake township <sup>3</sup> .....	219	224	-2.2
Turner township.....	77	58	32.8	Wolf Lake village <sup>3</sup> .....	58	83	-30.1
Verdon township.....	75	57	31.6	Beltrami County.....	26,373	23,425	12.6
Wagner township.....	284	275	3.3	Alaska township.....	159	188	-15.4
Waukenah township.....	292	275	6.2	Battle township.....	63	73	-13.7
Wealthwood township.....	144	158	-8.9	Bemidji city.....	11,490	9,958	15.4
White Pine township.....	50	59	-15.3	Bemidji township.....	1,622	970	67.2
Williams township.....	115	134	-14.2	Benville township.....	112	162	-30.9
Workman township.....	159	191	-16.8	Birch township.....	46	49	-6.1
Unorg. Terr. of Davidson.....	42	(NA)	(NA)	Blackduck village.....	595	765	-22.2
Unorg. Terr. of Jevett.....	23	(NA)	(NA)	Buzlee township.....	182	236	-22.9
Unorg. Terr. of Northeast Aitkin.....	20	(NA)	(NA)	Cormant township.....	239	218	9.1
Unorg. Terr. of Northwest Aitkin.....	291	(NA)	(NA)	Durand township.....	162	192	-15.6
Unorg. Terr. of Southeast Aitkin.....	48	(NA)	(NA)	Eckles township.....	352	227	55.1
Anoka County.....	154,556	85,916	79.9	Frohn township.....	453	335	35.2
Anoka city <sup>2</sup> .....	13,469	10,562	27.7	Funkley village.....	19	28	-32.1
Bethel village.....	311	302	3.0	Grant Valley township.....	515	368	39.9
Blaina city (part) <sup>2</sup> .....	20,635	7,565	172.8	Hagali township.....	152	177	-14.1
Burns township.....	1,129	966	16.9	Hamre township.....	36	72	-50.0
Centerville village.....	534	338	58.0	Hines township.....	406	434	-6.5
Circle Pines village.....	3,918	2,789	40.5	Hornet township.....	179	210	-14.8
Columbia Heights city.....	23,997	17,533	36.9	Jones township.....	131	138	-5.1
Columbus township.....	1,999	908	120.2	Kelliher township.....	122	126	-3.2
Coon Rapids city <sup>2</sup> .....	30,505	14,931	104.3	Kelliher village.....	289	297	-2.7
East Bethel village.....	2,586	1,408	83.7	Lammers township.....	279	299	-6.7
Fridley city.....	29,233	15,173	92.7	Langor township.....	143	258	-44.6
Gow township <sup>2</sup> .....	3,830	1,402	173.2	Lee township.....	58	56	3.6
Ham Lake township.....	3,327	1,423	133.8	Liberty township.....	263	250	5.2
Hilltop village.....	1,015	607	67.2	Maple Ridge township.....	96	94	2.1
Lexington village.....	1,926	1,457	32.2	Minnie township.....	19	26	-26.9
Lino Lakes village.....	3,692	2,329	58.5	Moose Lake township.....	93	112	-17.0
Linwood township.....	1,004	509	97.2	Nebish township.....	272	286	-4.9
Oak Grove township <sup>2</sup> .....	1,674	826	102.7	Northern township.....	2,086	1,049	98.9
Ramsey township <sup>2</sup> .....	2,536	1,179	115.1	O'Brien township.....	73	148	-50.7
St. Francis village <sup>2</sup> .....	897	...	...	Port Hope township.....	234	150	56.0
Spring Lake Park village (part).....	6,319	3,184	98.5	Quiring township.....	71	88	-19.3
Becker County.....	24,372	23,959	1.7	Roosevelt township.....	165	208	-20.7
Atlanta township.....	190	228	-16.7	Shooks township.....	194	242	-19.8
Audubon township.....	394	424	-7.1	Shotley township.....	78	73	6.8
Audubon village.....	297	245	21.2	Solway village.....	96	100	-4.0
Burlington township.....	706	537	31.5	Spruce Grove township.....	82	85	-3.5
				Steenerson township.....	50	72	-30.6
				Sugar Bush township.....	53	85	-37.6

Table 10. Population of County Subdivisions: 1970 and 1960—Continued

[Total population of a place in two or more county subdivisions appears in table 6. County subdivision figures for 1960 do not necessarily add to county totals. For meaning of symbols, see text.]

County Subdivisions	1970	1960	Percent change	County Subdivisions	1970	1960	Percent change
Beltrami County--Con.				Blue Earth County--Con.			
Summit township.....	180	215	-16.3	Mankato township <sup>6</sup> .....	1,952	1,622	20.3
Ten Lake township.....	231	237	-2.5	Mapleton township.....	395	414	-4.6
Tenstrike village.....	138	147	-6.1	Mapleton village.....	1,307	1,107	18.1
Turtle Lake township.....	426	287	48.4	Medo township.....	461	525	-12.2
Turtle River township.....	237	148	60.1	Minnesota Lake village (part).....	27	—	—
Turtle River village.....	50	48	4.2	Pemberton village <sup>6</sup> .....	128	177	-27.7
Waskish township.....	—	—	—	Pleasant Mound township.....	413	528	-21.8
Wilton village.....	119	112	6.3	Rapidan township.....	872	859	1.5
Woodrow township.....	82	129	-36.4	St. Clair village.....	438	373	30.8
Unorg. Terr. of Brook Lake.....	145	(NA)	(NA)	Shelby township <sup>6</sup> .....	409	463	-14.7
Unorg. Terr. of Lower Red Lake.....	2,675	(NA)	(NA)	Skyline village.....	400	354	13.0
Unorg. Terr. of North Beltrami.....	48	(NA)	(NA)	South Bend township <sup>6</sup> .....	1,397	1,269	10.1
Unorg. Terr. of Taylor.....	74	(NA)	(NA)	Sterling township.....	368	419	-12.2
Unorg. Terr. of Upper Red Lake.....	239	(NA)	(NA)	Vernon Center township.....	404	463	-12.7
Benton County.....	20,841	17,287	20.6	Vernon Center village.....	347	333	4.2
Alberta township.....	877	883	-0.7	Brown County.....	28,887	27,676	4.4
Gilman village (part).....	72	109	-33.9	Albin township.....	441	520	-15.2
Foley village.....	1,271	1,112	14.3	Bashaw township <sup>7</sup> .....	390	451	-13.5
Gilmanton township.....	906	924	-1.9	Burnstown township.....	386	458	-15.7
Gilman village (part).....	39	37	5.4	Cobden village.....	113	114	-0.9
Glendorado township.....	726	764	-5.0	Comfrey village (part) <sup>7</sup> .....	512	600	-14.7
Graham township.....	543	518	4.8	Cottonwood township <sup>7</sup> .....	922	694	32.9
Granite Ledge township.....	609	600	1.5	Eden township.....	483	547	-11.7
Langola township.....	338	274	23.4	Evan village.....	126	153	-17.6
Mayhew Lake township.....	715	716	-0.1	Hanska village <sup>7</sup> .....	442	491	-10.0
Maywood township.....	855	903	-5.3	Home township.....	821	880	-6.7
Minden township <sup>4</sup> .....	1,307	788	65.9	Lake Hanska township <sup>7</sup> .....	528	605	-12.7
Rice village.....	366	387	-5.4	Leavenworth township.....	576	576	—
Ronneby village.....	59	84	-29.8	Linden township.....	501	522	-4.0
St. Cloud city (part) <sup>4</sup> .....	4,180	3,209	30.3	Milford township <sup>7</sup> .....	758	662	14.5
St. George township.....	888	822	8.0	Mulligan township.....	491	503	-2.4
Sauk Rapids township <sup>4</sup> .....	6,115	4,848	26.1	New Ulm city <sup>7</sup> .....	13,051	11,114	17.4
Sartell village (part) <sup>4</sup> .....	264	216	22.2	North Star township.....	421	485	-13.2
Sauk Rapids village <sup>6</sup> .....	5,051	4,038	25.1	Prairieville township.....	487	548	-11.1
Watab township.....	1,086	455	138.7	Sigel township.....	629	613	2.6
Big Stone County.....	7,941	8,954	-11.3	Sleepy Eye city.....	3,461	3,492	-0.9
Albion township.....	353	429	-17.7	Springfield city.....	2,530	2,701	-6.3
Albion township <sup>5</sup> .....	232	286	-18.9	Stark township.....	493	517	-4.6
Artichoke township.....	163	255	-36.1	Stately township.....	325	430	-24.4
Barry village.....	52	60	-13.3	Carlton County.....	28,072	27,932	0.5
Big Stone township.....	349	362	-3.6	Atkinson township.....	251	273	-8.1
Ortonville city (part).....	2	3	-33.3	Automba township.....	166	168	-1.2
Browns Valley township.....	641	755	-15.1	Barnum township.....	699	619	12.9
Beardsley village.....	366	410	-10.7	Barnum village.....	382	417	-8.4
Clinton village <sup>5</sup> .....	608	565	7.6	Beseman township.....	97	150	-35.3
Correll village.....	95	101	-5.9	Blackhoof township.....	548	491	11.6
Foster township.....	192	278	-30.9	Carlton village.....	884	862	2.6
Graceville township <sup>5</sup> .....	281	311	-9.6	Cloquet city <sup>8</sup> .....	8,699	9,013	-3.5
Graceville village <sup>5</sup> .....	735	823	-10.7	Cromwell village.....	181	187	-3.2
Malta township.....	192	258	-25.6	Holyoke township.....	149	198	-24.7
Moonshine township.....	211	291	-27.5	Kalevala township.....	369	408	-9.6
Johnson village.....	53	64	-17.2	Kettle River village.....	173	234	-26.1
Odessa township <sup>5</sup> .....	227	337	-32.6	Knife Falls township <sup>8</sup> .....	2,740	2,430	12.8
Odessa village <sup>5</sup> .....	194	234	-17.1	Lakeview township.....	137	145	-5.5
Ortonville township.....	2,841	2,836	0.2	Mahtowa township.....	465	465	—
Ortonville city (part) <sup>5</sup> .....	2,663	2,671	-0.3	Moose Lake township <sup>8</sup> .....	1,170	1,577	-25.8
Orrey township.....	165	233	-29.2	Moose Lake village <sup>8</sup> .....	1,400	1,514	-7.5
Prior township.....	264	326	-19.0	Scanlon village.....	1,132	1,126	0.5
Toqua township.....	146	214	-31.8	Silver Brook township.....	503	458	9.8
Blue Earth County.....	52,322	44,385	17.9	Silver township.....	363	407	-10.8
Abey village <sup>6</sup> .....	571	629	-9.2	Skelton township.....	300	365	-17.8
Bauford township.....	534	568	-6.0	Split Rock township.....	206	253	-18.6
Bottomnut Valley township.....	437	526	-16.9	Thomson township.....	3,322	2,582	28.7
Birchota township.....	278	327	-15.0	Thomson village.....	159	179	-11.2
Ceresco township.....	356	428	-16.8	Twin Lakes township.....	1,171	879	33.2
Danville township.....	350	522	-33.0	Wrenshall township.....	250	274	-8.8
Decoria township.....	763	668	14.2	Wrenshall village.....	147	189	-22.2
High Lake village <sup>6</sup> .....	839	506	65.8	Wright village.....	132	169	-21.9
Irden City township <sup>6</sup> .....	785	817	-3.9	Unorg. Terr. of Clear Creek.....	83	(NA)	(NA)
Red Thunder village.....	489	468	4.5	Unorg. Terr. of North Carlton.....	1,794	(NA)	(NA)
Jamestown township.....	282	340	-17.1	Carver County.....	28,310	21,358	32.5
Judson township.....	602	726	-17.1	Benton township <sup>9</sup> .....	987	940	5.0
Lake Crystal city <sup>6</sup> .....	1,807	1,652	9.4	Camden township <sup>9</sup> .....	895	887	0.9
Le Ray township.....	870	891	-2.4	Carver village.....	669	467	43.3
Le township.....	1,078	608	77.3	Chanhassen village (part).....	4,839	2,441	883.2
Le township.....	376	420	-10.5	Chaska city <sup>9</sup> .....	4,352	2,501	74.0
Le township.....	481	579	-16.9	Chaska township <sup>9</sup> .....	119	233	-48.9
Pherson township.....	574	530	8.3	Cologne village <sup>9</sup> .....	518	454	14.1
Madison Lake village.....	587	477	23.1				
Wingate city <sup>6</sup> .....	30,895	23,797	29.8				

Table 10. Population of County Subdivisions: 1970 and 1960—Continued

[Total population of a place in two or more county subdivisions appears in table 6. County subdivision figures for 1960 do not necessarily add to county totals. For meaning of symbols, see text.]

County Subdivisions	1970	1960	Percent change	County Subdivisions	1970	1960	Percent change
Carver County--Con.				Cass County--Con.			
Dahlgren township.....	1,147	920	24.7	Wilkinson township.....	195	226	-13.7
Hamburg village <sup>9</sup> .....	377	288	30.9	Wilson township.....	432	306	+41.2
Hancock township.....	402	393	2.3	Woodrow township.....	274	218	+25.7
Hollywood township <sup>9</sup> .....	1,064	933	14.0	Unorg. Terr. of East Cass.....	30	(NA)	(NA)
Laketown township.....	1,750	1,036	68.9	Unorg. Terr. of North Cass.....	317	(NA)	(NA)
Mayer village <sup>9</sup> .....	325	179	81.6	Chippewa County.....	15,109	16,320	-7.4
New Germany village.....	303	274	10.6	Big Bend township.....	370	456	-18.9
Norwood village.....	1,058	945	12.0	Clara City village.....	1,491	1,358	+9.8
San Francisco township.....	509	436	16.7	Crate township.....	407	468	-13.0
Victoria village <sup>9</sup> .....	850	425	100.0	Grace township.....	297	345	-13.9
Waconia city <sup>9</sup> .....	2,445	2,048	19.4	Granite Falls city (part).....	643	563	+14.2
Waconia township <sup>9</sup> .....	1,389	1,034	34.3	Granite Falls township.....	328	383	-14.4
Watertown township <sup>9</sup> .....	1,348	1,075	25.4	Havelock township.....	285	411	-30.7
Watertown village <sup>9</sup> .....	1,390	1,046	32.9	Kragero township.....	229	308	-25.6
Young America township <sup>9</sup> .....	963	893	7.8	Leenthrop township.....	334	419	-20.3
Young America village <sup>9</sup> .....	611	477	28.1	Lone Tree township.....	358	441	-18.8
Cass County.....	17,323	16,720	3.6	Louriston township.....	333	392	-15.1
Ansel township.....	116	137	-15.3	Mandt township.....	314	436	-28.0
Backus village.....	257	317	-18.9	Maynard village.....	455	429	+6.1
Barclay township <sup>10</sup> .....	316	255	23.9	Milan village.....	427	482	-11.4
Becker township.....	217	259	-16.2	Montevideo city <sup>11</sup> .....	5,661	5,693	-0.6
Bena village.....	169	286	-40.9	Rheiderland township.....	495	515	-3.9
Beulah township.....	21	33	-36.4	Rosewood township.....	420	472	-11.0
Birch Lake township <sup>10</sup> .....	268	244	9.8	Sparta township <sup>11</sup> .....	1,063	1,364	-22.1
Blind Lake township.....	51	89	-42.7	Stoneham township.....	395	358	+1.8
Boy Lake township.....	117	135	-13.3	Tunsberg township.....	244	322	-24.2
Boy River township.....	87	121	-28.1	Watson village.....	228	267	-14.6
Boy River village.....	44	51	-13.7	Woods township.....	332	408	-18.6
Bull Moose township.....	80	84	-4.8	Chisago County.....	17,492	13,419	+30.4
Bungo township.....	118	147	-19.7	Amador township.....	562	541	+3.9
Byron township.....	166	169	-1.8	Branch village <sup>12</sup> .....	880	516	+70.5
Cass Lake village.....	1,317	1,586	-17.0	Center City village.....	324	293	+10.6
Chickamaw Beach village.....	87	76	14.5	Chisago City village.....	1,068	772	+38.3
Crooked Lake township.....	237	203	16.7	Chisago Lake township <sup>12</sup> .....	2,319	1,643	+41.1
Cleverfield township.....	69	59	16.9	Fish Lake township.....	819	627	+30.6
East Gull Lake village.....	440	311	41.5	Franconia township.....	650	621	+4.7
Fairview township.....	135	127	6.3	Harris village.....	559	552	+1.3
Federal Dam village.....	147	185	-20.5	Lent township.....	556	355	+56.6
Gould township.....	131	118	11.0	Lindstrom village <sup>12</sup> .....	1,260	635	+50.9
Hackensack village <sup>10</sup> .....	220	204	7.8	Nessel township.....	1,102	764	+44.2
Hiram township.....	157	146	7.5	North Branch village.....	1,106	949	+16.5
Home Brook township.....	173	184	-6.0	Rush City village.....	1,130	1,108	+2.0
Inguadona township.....	57	57	-	Rushseba township.....	722	652	+10.7
Kego township.....	359	359	-	Shafner township.....	636	583	+9.1
Longville village.....	171	159	7.5	Shafner village.....	149	147	+1.4
Lake Shore village.....	410	264	55.3	Stacy village.....	278	211	+31.8
Leech Lake township.....	188	143	31.5	Sunrise township.....	828	630	+31.4
Lima township.....	111	100	11.0	Taylors Falls village.....	587	546	+7.5
Loon Lake township.....	183	173	5.8	Wyoming township <sup>12</sup> .....	1,262	639	+97.5
McKinley township.....	112	168	-33.3	Wyoming village <sup>12</sup> .....	695	435	+59.8
Maple township.....	263	270	-2.6	Clay County.....	46,585	39,080	+19.2
May township <sup>10</sup> .....	512	498	2.8	Alliance township.....	358	442	-19.0
Meadow Brook township.....	159	199	-20.1	Barnesville city.....	1,782	1,632	+9.2
Moose Lake township.....	119	101	17.8	Barnesville township.....	200	190	+5.3
Motley village (part) <sup>10</sup> .....	-	...	...	Comstock village.....	135	138	-2.2
Pike Bay township.....	883	671	31.6	Cromwell township.....	294	319	-7.8
Pillager village.....	374	338	10.7	Dilworth village <sup>13</sup> .....	2,321	2,102	+10.4
Pine Lake township.....	165	146	13.0	Eglyn township.....	379	403	-6.0
Pine River township.....	384	354	8.5	Elkton township.....	301	323	-6.8
Pine River village <sup>10</sup> .....	803	775	3.6	Elmwood township.....	437	425	+2.8
Ponto Lake township.....	271	259	4.6	Felton township.....	183	196	-6.6
Poplar township.....	207	223	-7.2	Felton village.....	232	201	+15.4
Powers township.....	386	331	16.6	Flowing township.....	106	123	-13.8
Remer township.....	148	166	-10.8	Georgetown township.....	263	196	+34.2
Remer village <sup>10</sup> .....	403	492	-18.1	Georgetown village.....	171	178	-4.0
Rogers township.....	67	75	-10.7	Glyndon township.....	350	295	+18.6
Salem township.....	73	120	-35.0	Glyndon village.....	674	489	+37.8
Shingobee township <sup>10</sup> .....	1,275	988	29.0	Goose Prairie township.....	283	398	-27.1
Slater township <sup>10</sup> .....	134	110	21.8	Hagen township.....	171	231	-26.0
Smoky Hollow township.....	51	42	21.4	Hawley township.....	243	280	-13.2
Sylvan township.....	465	321	44.9	Hawley village.....	1,371	1,270	+8.0
Thunder Lake township.....	119	97	22.7	Highland Grove township.....	348	421	-17.3
Torrey township.....	106	112	-5.4	Hitterdal village.....	178	235	-24.3
Trelipe township.....	113	111	1.8	Holy Cross township.....	220	250	-12.0
Turtle Lake township.....	317	313	1.3	Humboldt township.....	233	231	0.9
Wabedo township.....	157	132	18.9	Keene township.....	178	218	-18.3
Wahnena township.....	139	139	-	Keene, Township.....	342	270	+26.7
Weldon township.....	344	344	-				

Table 10. Population of County Subdivisions: 1970 and 1960—Continued

[Total population of a place in two or more county subdivisions appears in table 6. County subdivision figures for 1960 do not necessarily add to county totals. For meaning of symbols, see text.]

County Subdivisions	1970	1960	Percent change	County Subdivisions	1970	1960	Percent change
Clay County--Con.				Crow Wing County.....	34,826	32,134	8.4
Kurtz township.....	262	275	-4.7	Baxter village.....	1,556	1,037	50.0
Moland township.....	352	371	-5.1	Bay Lake township.....	474	383	23.8
Moorhead city <sup>13</sup> .....	29,687	22,931	29.4	Brainerd city <sup>16</sup> .....	11,667	12,898	-9.5
Moorhead township.....	629	463	35.9	Center township.....	317	212	49.5
Morken township.....	226	240	-5.8	Crosby village.....	2,241	2,620	-14.8
Oakport township <sup>13</sup> .....	1,265	950	33.2	Crosslake village <sup>16</sup> .....	358	165	117.0
Parke township.....	354	409	-13.4	Crow Wing township.....	560	447	25.3
Riverton township.....	258	173	49.1	Cuyuna village.....	82	86	-4.7
Sabin village.....	333	251	32.7	Dagget Brook township.....	407	414	-1.7
Skree township.....	191	215	-11.2	Dean Lake township.....	83	93	-10.8
Spring Prairie township.....	227	226	0.4				
Tansem township.....	208	272	-23.5	Deerwood township <sup>16</sup> .....	815	729	11.8
Ulen township.....	212	208	1.9	Deerwood village <sup>16</sup> .....	448	527	-15.0
Ulen village.....	486	481	1.0	Eaily village.....	386	351	10.0
Viding township.....	172	166	3.6	Fairfield township.....	237	261	-9.2
				Fifty Lakes village.....	143	143	-
Clearwater County.....	8,013	8,864	-9.6	Fort Ripley township.....	336	234	43.6
Bagley village.....	1,314	1,385	-5.1	Fort Ripley village.....	54	55	-1.8
Bear Creek township.....	128	200	-36.0	Gail Lake township.....	82	113	-27.4
Clearbrook village <sup>14</sup> .....	599	650	-7.8	Garrison township.....	321	259	23.9
Clover township.....	95	100	-5.0	Garrison village.....	125	118	5.9
Copley township.....	893	812	10.0	Ideal township.....	345	303	13.9
Dudley township.....	248	295	-15.9	Irondale township.....	879	1,006	-12.6
Eddy township.....	310	387	-19.9	Riverton village.....	103	121	-14.9
Falk township.....	283	310	-8.7	Ironton village.....	562	724	-22.4
Gonwick village <sup>14</sup> .....	344	363	-5.2	Jenkins township <sup>16</sup> .....	189	317	-40.4
Greenwood township.....	105	153	-31.4	Jenkins village <sup>16</sup> .....	148	144	2.8
Hangaard township.....	21	39	-46.2	Lake Edwards township.....	1,187	739	60.6
Holst township.....	261	336	-22.3	Little Pine township.....	80	96	-16.7
Itasca township.....	86	127	-32.3	Long Lake township.....	699	567	23.3
La Prairie township.....	318	269	18.2	Manhattan Beach village.....	46	62	-25.8
Leonard village.....	54	70	-22.9	Maple Grove township.....	319	287	11.1
Leon township <sup>14</sup> .....	362	450	-19.6	Mission township.....	319	330	-3.3
Minerva township.....	258	318	-18.9	Nisswa village.....	1,011	742	36.3
Moose Creek township.....	148	184	-19.6	Nokay Lake township.....	507	419	21.0
Nora township.....	389	371	4.9	North Cross Lake village <sup>16</sup> .....	362	...	
Pine Lake township <sup>14</sup> .....	355	370	-4.1	Oak Lawn township <sup>16</sup> .....	2,201	1,177	87.0
Popple township.....	399	476	-16.2	Pelican Lakes village <sup>16</sup> .....	233	134	73.9
Rice township.....	141	150	-6.0	Pelican township.....	144	59	144.1
Shevlin township.....	291	350	-11.8	Pequot Lakes village <sup>16</sup> .....	499	461	8.2
Shevlin village.....	185	203	-8.9	Perry Lake township.....	190	161	18.0
Sinclair township.....	160	207	-22.7	Platte Lake township.....	250	234	6.8
Winsor township.....	200	257	-22.2	Rabbit Lake township.....	151	160	-5.6
Unorg. Terr. of North Clearwater.....	45	(NA)	(NA)	Roosevelt township.....	296	306	-3.3
Unorg. Terr. of South Clearwater.....	21	(NA)	(NA)	Ross Lake township.....	72	85	-15.3
				St. Mathias township.....	398	368	8.2
Cook County.....	3,423	3,377	1.4	Sibley township <sup>16</sup> .....	341	783	-56.4
Grand Marais village.....	1,301	1,301	-	Timothy township <sup>16</sup> .....	131	166	-21.1
Unorg. Terr. of East Cook.....	480	(NA)	(NA)	Trommald village.....	82	101	-18.8
Unorg. Terr. of West Cook.....	1,642	(NA)	(NA)	Wolford township.....	68	67	1.5
				Unorg. Terr. of West Crow Wing <sup>16</sup> .....	2,425	1,361	78.2
Cottonwood County.....	14,887	16,166	-7.9	Dakota County.....	139,808	78,303	78.5
Amboy township.....	338	448	-24.6	Apple Valley village <sup>17</sup> .....	8,502	...	...
Amo township.....	280	433	-35.3	Burnsville village <sup>17</sup> .....	19,940	...	...
Ann township.....	374	445	-16.0	Castle Rock township.....	1,235	1,031	19.8
Bingham Lake village.....	214	251	-15.7	Coates village.....	212	202	5.0
Carson township.....	488	614	-20.5	Douglas township.....	552	537	2.8
Comfrey village (part).....	13	16	-18.8	Eagan township.....	10,398	3,382	207.5
Dale township.....	317	424	-25.2	Empire township <sup>17</sup> .....	1,136	714	59.1
Delton township.....	272	391	-30.4	Eureka township.....	860	666	29.1
Germantown township.....	349	457	-23.6	Farmington village <sup>17</sup> .....	3,104	2,300	35.0
Great Bend township <sup>15</sup> .....	1,034	894	15.7	Greenvale township.....	624	594	5.1
Highwater township.....	288	437	-34.1	Hampton township.....	395	511	16.4
Jeffers village.....	436	489	-10.8	Hampton village.....	369	305	21.0
Lakeside township.....	405	449	-9.8	Hastings city (part).....	12,179	8,965	35.9
Midway township.....	495	551	-10.2	Ivey Grove Heights village <sup>17</sup> .....	12,148	...	...
Mountain Lake township.....	365	473	-22.8	Jakville village <sup>17</sup> .....	7,554	921	717.7
Mountain Lake village.....	1,986	1,943	2.2	Lilydale village <sup>17</sup> .....	664	116	472.4
Rosehill township <sup>15</sup> .....	314	365	-14.0	Marshan township.....	1,186	692	71.4
Selma township.....	365	493	-26.0	Mendota Heights village <sup>17</sup> .....	6,165	5,028	22.6
Southbrook township.....	219	304	-28.0	Mendota village <sup>17</sup> .....	327	259	26.3
Springfield township.....	305	323	-5.6	Miesville village.....	192	126	52.4
Storden township.....	357	423	-15.6	New Trier village.....	153	106	44.3
Storden village.....	364	390	-6.7	Nininger township.....	554	332	66.9
Westbrook township.....	367	447	-17.9	Randolph township.....	267	178	50.0
Westbrook village.....	990	1,012	-2.2	Randolph village.....	350	315	11.1
Windom city <sup>15</sup> .....	3,952	3,691	7.1	Ravenna township.....	550	274	100.7
				Rosemount township.....	2,697	944	185.7
				Rosemount village.....	1,337	1,068	25.2

Table 10. Population of County Subdivisions: 1970 and 1960—Continued

[Total population of a place in two or more county subdivisions appears in table 6. County subdivision figures for 1960 do not necessarily add to county totals. For meaning of symbols, see text.]

County Subdivisions	1970	1960	Percent change	County Subdivisions	1970	1960	Percent change
Dakota County--Con.				Fairbault County--Con.			
Sciota township.....	213	213	-	Minnesota Lake township.....	1,089	1,152	-5.5
South St. Paul city <sup>17</sup> .....	25,016	22,032	13.5	Minnesota Lake village (part).....	711	697	2.0
Sunfish Lake village.....	269	181	48.6	Pilot Grove township.....	359	468	-23.3
Vermillion township.....	779	649	20.0	Prescott township.....	369	424	-13.0
Vernilion village.....	359	248	44.8	Rome township.....	545	701	-23.3
Waterford township.....	521	420	24.0	Frost village (part).....	225	285	-21.1
West St. Paul city.....	18,799	13,101	43.5	Seely township.....	847	1,049	-19.3
Dodge County.....	13,037	13,259	-1.7	Bricelyn village.....	470	542	-14.3
Ashland township.....	424	519	-18.3	Verona township.....	500	617	-19.0
Canisteo township.....	599	595	0.7	Walnut Lake township.....	431	503	-14.3
Claremont township.....	495	508	-2.6	Wells village <sup>19</sup> .....	2,791	2,897	-3.7
Clarendon village.....	520	466	11.6	Winnebago City township.....	352	417	-15.6
Concord township.....	727	757	-4.0	Winnebago village.....	1,791	2,088	-14.2
Dodge Center village.....	1,603	1,441	11.2	Fillmore County.....	21,916	23,768	-7.8
Ellington township.....	468	486	-3.7	Amherst township.....	406	492	-17.5
Hayfield township.....	456	547	-16.6	Arendahl township.....	355	459	-22.7
Hayfield village.....	939	889	5.6	Beaver township.....	318	385	-17.4
Kasson village.....	1,883	1,732	8.7	Bloomfield township.....	489	545	-10.3
Mantorville township.....	813	724	12.3	Bristol township.....	530	650	-18.5
Mantor village.....	479	498	-3.8	Canton township.....	563	683	-18.2
Milton township.....	685	762	-10.1	Canton village.....	391	467	-16.3
Ripley township.....	272	391	-30.4	Carrimona township.....	356	421	-15.4
Vernon township.....	580	653	-11.2	Carrolton township.....	387	416	-7.0
Wasioja township.....	849	890	-4.6	Chatfield city (part).....	1,162	1,240	-6.3
West Concord village.....	718	810	-11.4	Chatfield township.....	430	440	-2.3
Westfield township.....	527	591	-10.8	Fillmore township.....	599	605	-1.0
Douglas County.....	22,892	21,313	7.4	Forestville township.....	476	548	-13.1
Alexandria city <sup>18</sup> .....	6,973	6,713	3.9	Fountain township.....	761	725	5.0
Alexandria township <sup>18</sup> .....	2,512	1,594	57.6	Fountain village.....	347	297	16.8
Belle River township.....	446	528	-15.5	Harmony township <sup>20</sup> .....	419	476	-12.0
Brandon township.....	445	487	-8.6	Harmony village <sup>20</sup> .....	1,130	1,211	-6.9
Brandon village.....	414	353	17.3	Holt township.....	333	346	-3.8
Carlos township.....	912	636	43.4	Jordan township.....	373	442	-15.6
Cos village.....	260	262	-0.8	Lanesboro village.....	850	1,063	-20.0
Dsville township.....	320	359	-10.9	Mabel village.....	888	815	9.0
Dsville village.....	553	411	34.5	Newburg township.....	560	614	-8.8
Forada village.....	158	98	61.2	Norway township.....	443	470	-5.7
Garfield village.....	198	240	-17.5	Ostrander village.....	216	216	-
Holmes City township.....	489	554	-11.7	Peterson village.....	269	283	-4.9
Hudson township.....	401	426	-5.9	Pilot Mound township.....	366	467	-21.6
Ida township.....	490	458	7.0	Preble township.....	320	419	-23.6
Kensington village.....	308	324	-4.9	Preston township.....	374	441	-15.2
La Grand township <sup>18</sup> .....	1,863	1,311	42.1	Preston village.....	1,413	1,491	-5.2
Lake Mary township.....	611	524	16.6	Rushford city.....	1,318	1,335	-1.3
Leaf Valley township.....	446	514	-13.2	Rushford village.....	601	581	3.4
Lund township.....	315	380	-17.1	Spring Valley township <sup>20</sup> .....	658	650	1.2
Millererville township.....	380	453	-16.1	Spring Valley village <sup>20</sup> .....	2,572	2,628	-2.1
Millererville village.....	109	119	-8.4	Summer township.....	497	591	-15.9
Miltona township.....	463	478	-3.1	Whalan village.....	114	146	-21.9
Miltona village.....	172	163	5.5	Wykoff village.....	450	391	15.1
Moe township.....	372	406	-8.1	York township.....	529	608	-13.0
Nelson village.....	175	150	16.7	Freeborn County.....	38,064	37,891	0.5
Orange township.....	320	358	-10.6	Albert Lea city <sup>21</sup> .....	19,418	17,108	13.5
Osakis township.....	520	497	4.6	Albert Lea township <sup>21</sup> .....	2,327	3,210	-27.5
Osakis village (part).....	1,237	1,314	-5.9	Alden township.....	469	541	-15.3
Solem township.....	325	398	-18.3	Alden village.....	713	694	2.7
Spruce Hill township.....	459	471	-2.5	Bancroft township <sup>21</sup> .....	1,392	1,452	-4.1
Urness township.....	246	334	-26.3	Bath township <sup>21</sup> .....	654	754	-13.3
Faribault County.....	20,896	23,685	-11.8	Carlston township.....	446	485	-8.0
Barber township.....	513	474	8.2	Clarks Grove village <sup>21</sup> .....	480	353	36.0
Blue Earth city <sup>19</sup> .....	3,965	4,200	-5.6	Conger village.....	167	215	-22.3
Blue Earth City township <sup>19</sup> .....	605	632	-4.7	Emmons village.....	412	103	1.0
Brush Creek township.....	375	484	-22.5	Freeborn township.....	184	534	-6.1
Clark township <sup>19</sup> .....	614	681	-5.8	Freeman village.....	296	314	-5.7
Delavan township.....	585	774	-24.4	Geneva township <sup>21</sup> .....	648	671	-3.4
Delavan village.....	231	342	-12.7	Genoa village <sup>21</sup> .....	609	763	-20.2
Dunbar township.....	493	565	-12.7	Gewva village <sup>21</sup> .....	358	317	3.2
Elmore township.....	1,281	1,570	-18.4	Glenville village.....	740	643	15.1
Elmore village.....	910	1,078	-15.6	Hartland township.....	419	491	-18.7
Emerald township.....	438	595	-26.4	Hartland village.....	331	330	0.3
Frost village (part).....	65	96	-32.3	Hayward township.....	638	649	-1.7
Iter township.....	603	640	-5.8	Hayward village.....	261	258	1.2
Alters village.....	152	133	14.3	Hollandale village.....	287	363	-20.9
Jo Daviess townships.....	435	516	-20.3	London township.....	511	615	-16.9
Kiester township.....	1,167	1,344	-13.2	Manchester township <sup>21</sup> .....	610	609	0.2
Kiester village.....	681	711	-8.1	Manchester village <sup>21</sup> .....	89	131	-32.1
Lura township.....	718	861	-16.6	Mansfield township.....	420	559	-24.9
Easton village.....	332	111	-11.1	Moscow township.....	823	910	-12.1

Table 10. Population of County Subdivisions: 1970 and 1960—Continued

[Total population of a place in two or more county subdivisions appears in table 6. County subdivision figures for 1960 do not necessarily add to county totals. For meaning of symbols, see text.]

County Subdivisions	1970	1960	Percent change	County Subdivisions	1970	1960	Percent change
Freeborn County--Con.				Hennepin County--Con.			
Myrtle village.....	83	89	-6.7	Deephaven village <sup>23</sup> .....	3,853	3,286	17.3
Newry township.....	596	787	-24.3	Eden Prairie village <sup>23</sup> .....	6,938	...	...
Nunda township.....	502	553	-9.2	Edina village <sup>23</sup> .....	44,016	28,501	54.5
Oakland township.....	540	582	-7.2	Excelsior village.....	2,563	2,020	26.9
Pickerel Lake township.....	817	679	20.3	Golden Valley village.....	21,246	14,559	66.5
Riceland township.....	695	877	-20.8	Greenfield village.....	977	639	52.9
Shell Rock township.....	594	734	-19.1	Greenwood village.....	587	520	12.9
Twin Lakes village.....	230	153	50.3	Hanover village (part).....	96	85	12.9
Goodhue County.....	34,763	33,035	5.2	Hassan township.....	917	750	22.3
Bellechester village (part).....	130	131	-0.8	Hopkins city.....	13,428	11,370	18.1
Belle Creek township.....	628	584	7.5	Independence village.....	1,993	1,416	37.8
Belvidere township.....	560	578	-3.1	Long Lake village.....	1,506	996	51.2
Burnside township.....	2,393	1,564	53.0	Loretto village.....	340	271	25.5
Cannon Falls city <sup>22</sup> .....	2,072	2,055	0.8	Maple Grove village <sup>23</sup> .....	6,275	2,213	183.6
Cannon Falls township <sup>22</sup> .....	1,023	741	38.1	Maple Plain village.....	1,169	754	55.0
Central Point township.....	376	236	59.3	Medicine Lake village.....	930	323	187.9
Cherry Grove township.....	459	563	-18.5	Medina village.....	2,396	1,472	62.8
Dennison village.....	162	162	-	Minneapolis city.....	431,400	482,872	-10.0
Featherstone township.....	646	658	-1.8	Minnetonka Beach city.....	586	544	7.7
Florence township.....	796	722	10.2	Minnetonka village <sup>23</sup> .....	35,776	25,037	42.9
Goodhue township <sup>22</sup> .....	554	585	-5.3	Minnetrista village <sup>23</sup> .....	2,878	...	...
Goodhue village <sup>22</sup> .....	539	566	-4.8	Mound village <sup>23</sup> .....	7,572	5,410	39.2
Hay Creek township.....	665	625	6.4	New Hope village <sup>23</sup> .....	23,180	3,552	552.6
Holden township.....	466	540	-13.7	Orono village <sup>23</sup> .....	6,787	5,613	20.3
Kenyon township.....	500	484	3.3	Osseo village <sup>23</sup> .....	2,908	2,104	38.2
Kenyon village.....	1,575	1,624	-3.0	Plymouth village.....	17,593	9,576	83.7
Leon township.....	683	713	-4.2	Richfield city.....	47,231	42,523	11.1
Minneola township.....	648	638	1.6	Robbinsdale city.....	16,845	16,381	2.8
Pine Island township.....	559	560	-0.2	Rockford village (part).....	162	43	276.7
Pine Island village.....	1,640	1,308	25.4	Rogers village.....	544	378	43.9
Red Wing city.....	10,441	10,528	-0.8	St. Anthony village (part).....	6,886	4,744	45.2
Roscoe township.....	674	721	-6.5	St. Bonifacius village.....	685	576	18.9
Stanton township.....	722	475	52.0	St. Louis Park city.....	48,883	43,310	12.9
Vasa township.....	784	803	-2.4	Shorewood village.....	4,223	3,197	32.1
Wacouta township.....	252	238	5.9	Spring Park village.....	1,087	668	62.7
Wanamingo township.....	498	546	-8.8	Tonka Bay village.....	1,397	1,204	16.0
Wanamingo village.....	574	540	6.3	Wayzata city.....	3,700	3,219	14.9
Warsaw township.....	659	568	16.0	Woodland village.....	541	449	21.2
Welch township.....	529	510	3.7	Fort Snelling area.....	624	898	-30.5
Zumbrota township.....	627	639	-1.9	Houston County.....	17,556	16,588	-5.8
Zumbrota village.....	1,929	1,830	5.4	Black Hammer township.....	323	435	-25.7
Grant County.....	7,462	8,870	-15.9	Brownsville township <sup>24</sup> .....	358	771	-53.6
Ashby village.....	415	426	-2.6	Brownsville village <sup>24</sup> .....	417	382	9.2
Barrett village.....	342	345	-0.9	Caledonia township.....	585	620	-5.6
Delaware township.....	212	253	-16.2	Caledonia village.....	2,619	2,563	2.2
Elbow Lake township.....	197	291	-32.3	Crooked Creek township.....	301	359	-15.3
Elbow Lake village.....	1,484	1,521	-2.4	Eitzen village.....	208	181	14.9
Elk Lake township.....	299	365	-18.1	Hokah township <sup>24</sup> .....	356	1,027	-65.3
Erdahl township.....	350	456	-23.2	Hokah village <sup>24</sup> .....	697	685	1.8
Gorton township.....	158	225	-29.8	Houston township.....	407	414	-1.7
Herman village.....	619	764	-19.0	Houston village.....	1,090	1,082	0.7
Hoffman village.....	627	605	3.6	Jefferson township.....	206	207	-0.5
Land township.....	310	420	-26.2	Ia Crescent township.....	1,486	785	89.3
Lawrence township.....	146	228	-36.0	Ia Crescent village.....	3,142	2,624	19.7
Lien township.....	188	290	-35.2	Mayville township.....	535	456	17.3
Logan township.....	188	267	-29.6	Money Creek township.....	479	427	-12.2
Macsville township.....	219	307	-28.7	Mound Prairie township.....	432	504	-14.3
Norcross village.....	137	153	-10.5	Sheldon township.....	361	366	-1.4
North Ottawa township.....	138	194	-38.9	Spring Grove township.....	539	582	-7.4
Pelican Lake township.....	309	319	-3.1	Spring Grove village.....	1,220	1,312	-3.9
Pomme de Terre township.....	202	282	-28.4	Union township.....	402	385	4.7
Roseville township.....	231	302	-23.5	Wilmington township.....	590	608	-3.0
Sanford township.....	233	282	-17.4	Winnebago township.....	361	432	-16.4
Stony Brook township.....	211	322	-34.5	Yucatan township.....	368	418	-12.0
Wendell village.....	247	253	-2.4	Hubbard County.....	10,583	9,962	6.2
Hennepin County.....	960,080	842,854	13.9	Akeley township.....	236	273	-13.6
Bloomington city <sup>23</sup> .....	81,970	50,498	62.3	Akeley village.....	468	434	7.8
Brooklyn Center city <sup>23</sup> .....	35,173	24,356	44.4	Arago township.....	286	253	13.0
Brooklyn Park village <sup>23</sup> .....	26,230	10,197	157.2	Badoura township.....	105	130	-19.2
Champlin township.....	2,429	822	195.5	Clover township.....	107	118	-9.3
Champlin village.....	2,275	1,271	79.0	Crow Wing Lake township.....	130	112	16.1
Chanhassen village (part) <sup>23</sup> .....	40	...	...	Farden township.....	395	214	61.9
Corcoran village.....	1,656	1,237	33.9	Fern township.....	117	144	-18.8
Crystal city <sup>23</sup> .....	30,925	24,283	27.4	Guthrie township.....	237	263	-9.2
Dayton township.....	2,162	804	168.9	Hart Lake township.....	217	259	-4.6
Dayton village (part).....	469	398	17.8	Helga township.....	430	310	38.7
				Hendrickson township.....	123	101	21.8
				Henrietta township.....	717	611	22.3

CONTINUED

[Total population of a place in two or more county subdivisions appears in table 6. County subdivision figures for 1960 do not necessarily add to county totals. For meaning of symbols, see text.]

County Subdivisions	1970	1960	Percent change	County Subdivisions	1970	1960	Percent change
<b>Hubbard County--Con.</b>							
Hubbard township.....	395	352	12.2	Nore township.....	59	63	-6.3
Lac du Flambeau township.....	87	114	-23.7	Oteneagen township.....	173	177	-2.3
Lake George township.....	375	268	39.9	Pomroy township.....	41	45	-8.9
Lake Hattie township.....	226	267	-15.4	Sago township.....	149	205	-27.3
Lakeport township.....	74	90	-17.8	Sand Lake township.....	132	137	-3.6
Laporte village.....	281	209	34.4	Spang township.....	139	187	-25.7
Mantrap township.....	154	155	-0.6	Squaw Lake village.....	113	129	-12.4
Nevis township.....	193	192	0.5	Stokes township.....	171	157	8.9
Nevis village.....	406	354	14.7	Third River township.....	43	52	-17.3
Park Rapids village.....	308	344	-10.5	Trout Lake township.....	636	719	-11.5
Rockwood township.....	2,772	3,047	-9.0	Wabana township.....	199	208	-4.3
Schoolcraft township.....	103	129	-20.2	Warba village.....	148	162	-8.6
Straight River township.....	39	74	-47.3	Wawina township.....	93	132	-29.5
Thorpe township.....	369	344	7.3	Wirt township.....	94	140	-32.9
Todd township.....	27	34	-20.6	Zemple village.....	71	82	-13.4
White Oak township.....	803	507	58.4	Unorg. Terr. of Bow String Lake.....	863	(NA)	(NA)
Unorg. Terr. of Clay.....	220	170	29.4	Unorg. Terr. of Deer Lake.....	1,317	(NA)	(NA)
Unorg. Terr. of Steamboat River.....	46	(NA)	(NA)	Unorg. Terr. of Little Sand Lake.....	317	(NA)	(NA)
Isanti County.....	57	(NA)	(NA)	Unorg. Terr. of Northeast Itasca.....	1,130	(NA)	(NA)
Athens township.....	16,560	13,530	22.4	Unorg. Terr. of South Itasca.....	303	(NA)	(NA)
Bradford township.....	849	455	86.6	Jackson County.....	14,352	15,501	-7.4
Braham village.....	912	539	69.2	Alba township.....	371	405	-8.4
Cambridge township <sup>23</sup> .....	744	728	2.2	Alpha village <sup>27</sup> .....	179	207	-13.5
Cambridge village <sup>25</sup> .....	1,427	2,167	-34.1	Belmont township.....	349	392	-11.0
Dalbo township.....	3,467	2,726	27.1	Christania township.....	404	482	-16.2
Isanti township <sup>23</sup> .....	595	524	13.5	Delafield township.....	419	433	-3.2
Isanti township <sup>25</sup> .....	1,647	1,172	40.5	Des Moines township.....	453	496	-8.7
Maple Ridge township.....	679	521	30.3	Enterprise township.....	358	451	-20.6
North Branch township.....	655	531	23.4	Ewington township.....	425	502	-15.3
Oxford township.....	960	693	38.5	Heron Lake township <sup>27</sup> .....	483	518	-11.9
Spencer Brook township.....	342	251	36.3	Heron Lake village.....	777	852	-8.6
Springvale township.....	666	499	33.5	Hunter township <sup>27</sup> .....	436	533	-18.2
Stanchfield township.....	817	580	40.9	Jackson city.....	3,550	3,370	5.3
Stanford township.....	951	811	17.3	Kimball township.....	297	417	-28.8
Wyanett township.....	922	714	29.1	La Crosse township.....	350	403	-13.2
Itasca County.....	927	617	50.2	Lakefield Village <sup>27</sup> .....	1,820	1,789	1.7
Alvwood township.....	52	71	-26.8	Middleton township.....	386	445	-13.3
Arbo township.....	721	632	14.1	Minneota township.....	370	448	-17.4
Ardsley township.....	132	124	6.5	Okabena village <sup>27</sup> .....	237	244	-2.9
Baldwin township.....	274	351	-21.9	Petersburg township.....	446	543	-17.9
Bass Brook township.....	961	830	15.8	Rost township.....	417	449	-7.1
Bearville township.....	99	101	-2.0	Round Lake township.....	361	431	-16.2
Bigfork township.....	295	371	-20.5	Sioux Valley township.....	405	451	-10.2
Bigfork village.....	399	464	-14.0	Weimer township.....	285	324	-12.0
Blackberry township.....	420	453	-7.3	West Heron Lake township <sup>27</sup> .....	278	315	-19.4
Bovey village.....	858	1,086	-21.0	Wilder village.....	132	107	23.4
Boxstring township.....	125	111	12.6	Wisconsin township <sup>27</sup> .....	364	434	-16.1
Carpenter township.....	252	300	-16.0	Kanabec County.....	9,775	9,007	8.5
Cohasset village.....	536	605	-11.4	Ann Lake township.....	193	221	-12.7
Colernine village.....	1,086	1,346	-19.3	Arthur township.....	957	651	47.0
Cooley village.....	33	87	-62.1	Brunswick township.....	765	721	6.1
Deer River township.....	437	412	6.1	Comfort township.....	569	534	6.6
Deer River village.....	815	992	-17.8	Ford township.....	131	120	9.2
Fifie village.....	165	195	-15.4	Grass Lake township.....	769	714	7.7
Feeley township.....	296	241	22.8	Grasston village.....	132	146	-9.6
Good Hope township.....	86	140	-38.6	Hay Brook township.....	108	105	2.9
Goodland township.....	411	413	0.2	Hillman township.....	233	278	-16.2
Grand Rapids township.....	10,323	10,188	1.3	Kanabec township.....	423	399	6.0
Grand Rapids village <sup>26</sup> .....	7,247	7,255	-0.2	Knife Lake township.....	557	443	25.7
La Prairie village <sup>26</sup> .....	413	243	70.0	Kroshel township.....	216	235	-8.1
Rattan township.....	51	62	-17.7	Mora village.....	2,582	2,329	10.9
Temway township.....	2,207	2,792	-21.0	Ogilvie village.....	384	376	2.1
Calumet village.....	460	799	-42.4	Peace township.....	386	355	8.7
Marble village.....	682	879	-22.4	Pomroy township.....	281	304	-7.6
Morris township.....	1,883	1,530	23.1	Quasha village.....	111	95	20.0
New Range township.....	637	673	-5.3	South Fork township.....	526	519	-4.2
Ugonite village.....	352	376	-6.4	Whited township.....	449	432	3.9
Wewatin village.....	1,382	1,651	-16.3	Kandiyohi County.....	30,548	29,987	1.9
Winghurst township.....	150	127	18.1	Arctander township.....	412	450	-8.4
Lake Jessie township.....	229	238	-3.8	Atwater village.....	956	899	6.3
Lawrence township.....	440	522	-15.7	Bloomest village.....	172	171	0.6
Liberty township.....	70	73	-4.1	Burbank township.....	359	369	-2.7
Long Pine township.....	468	635	-26.3	Colfax township.....	378	341	10.9
Marcell township.....	274	286	-4.2	Dovre township.....	797	830	-4.0
Max township.....	134	182	-26.4	East Lake Lillian township.....	368	412	-10.7
Moose Park township.....	80	91	-12.1	Edwards township.....	406	437	-7.1
Morse township.....	416	481	-13.5				
Washburn township.....	2,139	2,653	-19.4				
Nautek village.....	1,341	1,712	-21.7				

See footnotes at end of table.

Table 10. Population of County Subdivisions: 1970 and 1960-Continued

[Total population of a place in two or more county subdivisions appears in table 6. County subdivision figures for 1960 do not necessarily add to county totals. For meaning of symbols, see text.]

County Subdivisions	1970	1960	Percent change	County Subdivisions	1970	1960	Percent change
Kandiyohi County--Con.				Koochiching County--Con.			
Fahlun township.....	398	432	-7.9	South International Falls village....	2,116	2,479	-14.6
Gennessee township.....	366	475	-22.9	Unorg. Terr. of Northeast Koochiching.....	4,946	(NA)	(NA)
Green Lake township.....	912	673	35.5	Unorg. Terr. of Northwest Koochiching.....	600	(NA)	(NA)
Harrison township.....	537	518	3.7	Unorg. Terr. of South Koochiching.....	900	(NA)	(NA)
Holland township.....	454	611	-25.7	Lac Qui Parle County.....	11,164	13,330	-16.2
Irving township.....	478	550	-13.1	Agassiz township.....	228	315	-27.6
Kandiyohi township.....	591	489	20.9	Arena township.....	267	343	-22.2
Kandiyohi village.....	293	312	-5.4	Augusta township.....	212	279	-24.0
Lake Andrew township.....	503	461	9.1	Baxter township.....	314	418	-24.9
Lake Elizabeth township.....	342	397	-13.9	Bellingham village.....	263	327	-19.6
Lake Lillian township.....	345	435	-20.7	Boyd village.....	311	419	-25.8
Lake Lillian village.....	316	335	-5.7	Camp Release township.....	331	338	-2.1
Mamre township.....	369	375	-1.6	Cerro Gordo township.....	298	371	-19.7
New London township <sup>28</sup> .....	1,347	1,110	21.4	Dawson city <sup>31</sup> .....	1,699	1,766	-3.8
New London village <sup>28</sup> .....	736	721	2.1	Freeland township.....	252	365	-31.0
Norway Lake township.....	345	412	-16.3	Garfield township.....	255	303	-15.8
Pennoc village.....	255	257	-0.8	Hamlin township.....	306	374	-18.2
Prinsburg village.....	448	462	-3.0	Hantho township.....	189	250	-24.4
Raymond village.....	589	608	-3.1	Lac Qui Parle township.....	249	314	-20.7
Regal village.....	44	53	-17.0	Lake Shore township.....	347	434	-20.0
Roseland township.....	572	655	-12.7	Louisburg village.....	75	91	-17.6
Roseville township.....	446	417	7.0	Madison city <sup>31</sup> .....	2,242	2,380	-5.8
St. Joins township.....	433	466	-7.1	Madison township <sup>31</sup> .....	427	540	-20.9
Spicer village.....	586	589	-0.5	Manfred township.....	203	268	-24.3
Sunburg village.....	144	161	-10.6	Marietta village.....	264	327	-19.3
Whitefield township.....	560	623	-10.1	Maxwell township.....	272	324	-16.0
Willmar city <sup>28</sup> .....	12,869	10,417	23.5	Mehurin township.....	214	290	-26.1
Willmar township <sup>28</sup> .....	1,420	3,064	-53.7	Nassau village <sup>31</sup> .....	126	182	-30.8
Kittson County.....	6,853	8,343	-17.9	Perry township.....	257	299	-14.0
Arveson township <sup>29</sup> .....	87	116	-25.0	Providence township.....	312	409	-23.7
Cannon township.....	43	74	-41.9	Riverside township <sup>31</sup> .....	297	414	-28.5
Caribou township.....	78	70	11.4	Ten Mile Lake township.....	279	349	-20.1
Clow township.....	104	124	-16.1	Walter township <sup>31</sup> .....	299	392	-23.1
Davis township.....	68	97	-29.9	Yellow Bank township.....	376	449	-16.1
Deerwood township.....	180	224	-19.6	Ortonville city (part).....	-	-	-
Donaldson village.....	69	64	7.8	Lake County.....	13,351	13,702	-2.8
Granville township.....	114	163	-30.1	Beaver Bay township.....	905	942	-3.8
Hallock township.....	119	150	-20.7	Beaver Bay village.....	362	287	26.1
Hallock village.....	1,477	1,527	-3.3	Crystal Bay township.....	824	882	-6.9
Halma village.....	96	115	-16.5	Fall Lake township.....	328	242	35.1
Hampden township.....	84	111	-24.3	Silver Bay village.....	3,501	3,723	-5.4
Hazelton township.....	130	210	-38.1	Silver Creek township <sup>32</sup> .....	923	879	5.1
Hill township.....	63	125	-49.6	Two Harbors city <sup>32</sup> .....	4,437	4,695	-5.1
Humboldt village.....	112	169	-33.7	Unorg. Terr. of East Lake.....	152	(NA)	(NA)
Jupiter township.....	203	250	-18.8	Unorg. Terr. of West Lake.....	1,916	(NA)	(NA)
Karlstad village <sup>29</sup> .....	727	720	1.0	Lake of the Woods County.....	3,987	4,304	-7.1
Kennedy village <sup>29</sup> .....	424	458	-7.4	Baudette village.....	1,547	1,597	-3.2
Lake Bronson village.....	323	421	-22.8	Williams village.....	220	317	-30.0
Lancaster village.....	382	462	-17.3	Unorg. Terr. of Beltrami Forest.....	95	(NA)	(NA)
McKinley township.....	60	71	-15.5	Unorg. Terr. of Northwest Angle.....	89	(NA)	(NA)
North Red River township.....	51	86	-40.7	Unorg. Terr. of Rainy River.....	2,036	(NA)	(NA)
Norway township.....	90	140	-35.7	Le Sueur County.....	21,332	19,906	7.1
Pelan township.....	51	89	-42.7	Cleveland township.....	541	600	-9.1
Percy township.....	54	47	14.9	Cleveland village.....	492	389	26.1
Poppleton township.....	136	220	-38.2	Cordova township.....	534	538	-0.7
Richardville township.....	162	196	-17.3	Derryname township.....	762	732	4.0
St. Joseph township.....	101	124	-18.5	Elysian township.....	674	644	4.5
St. Vincent township.....	192	307	-37.5	Elysian village.....	445	382	16.1
St. Vincent village.....	177	217	-18.4	Heidelberg village.....	72	44	63.1
Skane township.....	88	114	-22.8	Kasota township.....	959	801	19.1
South Red River township.....	57	55	3.6	Kasota village.....	732	649	12.1
Spring Brook township.....	121	191	-36.6	Kilkenny township <sup>33</sup> .....	503	541	-7.6
Svea township.....	72	116	-37.0	Kilkenny village <sup>33</sup> .....	182	221	-17.1
Tegner township <sup>29</sup> .....	91	128	-28.9	Lanesburgh township <sup>33</sup> .....	982	843	16.1
Telen township.....	220	297	-25.9	Le Center village <sup>33</sup> .....	1,894	1,397	14.1
Thompson township.....	226	256	-11.7	Le Sueur city <sup>33</sup> .....	3,745	3,310	13.1
Unorg. Terr. of East Kittson.....	19	39	-51.3	Lexington township <sup>33</sup> .....	802	838	-4.1
Koochiching County.....	17,131	18,190	-5.8	Montgomery city <sup>33</sup> .....	2,281	2,118	7.1
Big Falls village.....	534	526	1.5	Montgomery township <sup>33</sup> .....	727	719	1.1
International Falls city <sup>30</sup> .....	6,439	6,778	-5.0	New Prague city (part) <sup>33</sup> .....	949	919	3.0
Island View village.....	44	13	238.5	Ottawa township <sup>33</sup> .....	327	310	5.0
Littlefork village.....	824	805	2.4	Sharon township.....	631	623	1.1
Mizpah village.....	118	140	-15.7	Tyrome township <sup>33</sup> .....	642	669	-4.1
Nett River township.....	4	16	-75.0	Washington township.....	289	236	22.0
Northome village.....	351	291	20.6	Waterville city.....	1,539	1,623	-5.0
Ranier village.....	255	262	-2.7	Waterville township.....	632	560	12.0

Table 10. Population of County Subdivisions: 1970 and 1960—Continued

[Total population of a place in two or more county subdivisions appears in table 6. County subdivision figures for 1960 do not necessarily add to county totals. For meaning of symbols, see text.]

County Subdivisions	1970	1960	Percent change	County Subdivisions	1970	1960	Percent change
Lincoln County.....	8,143	9,651	-15.6	Mahnomen County.....	5,638	6,341	-11.1
Alta Vista township.....	359	380	-5.5	Beaulieu township.....	211	292	-27.7
Arco village.....	121	140	-13.6	Bejou township.....	171	236	-27.5
Ash Lake township <sup>34</sup> .....	275	363	-24.2	Bejou village.....	157	164	-4.3
Diamond Lake township.....	273	375	-27.2	Chief township.....	220	240	-8.3
Drammen township.....	325	387	-16.0	Clover township.....	119	174	-31.6
Hansonville township.....	200	270	-25.9	Gregory township.....	166	202	-17.8
Hendricks township.....	366	377	-2.9	Heier township.....	192	234	-17.9
Hendricks village.....	712	797	-10.7	Island Lake township.....	251	328	-23.5
Hope township <sup>34</sup> .....	511	670	-23.7	La Garde township.....	177	223	-20.6
Ivanhoe village <sup>34</sup> .....	738	719	2.6	Lake Grove township.....	294	375	-21.6
Lake Benton township.....	262	357	-26.6	Mahnomen village.....	1,313	1,462	-10.2
Lake Benton village.....	759	905	-16.1	Marsh Creek township.....	191	253	-24.5
Lake Stay township.....	206	339	-39.2	Oakland township.....	217	193	12.4
Limestone township.....	256	358	-28.5	Pembina township.....	625	630	-0.8
Marble township.....	351	447	-21.5	Popple Grove township.....	229	250	-8.4
Marshfield township.....	370	397	-6.8	Rosedale township.....	292	273	7.0
Royal township.....	313	421	-25.7	Waubun village.....	345	350	-1.4
Shaokatan township.....	310	374	-17.1	Unorg. Terr. of Southeast Mahnomen.....	468	462	1.3
Tyler village <sup>34</sup> .....	1,069	1,138	-6.1	Marshall County.....	13,060	14,262	-8.4
Verdi township.....	367	437	-16.0	Agder township.....	116	143	-18.9
Lyon County.....	24,273	22,655	7.1	Alvarado village.....	188	231	-18.6
Amiret township.....	369	439	-15.9	Argyle village.....	302	282	7.1
Balaton village.....	649	723	-10.2	Augsburg township.....	739	789	-6.3
Clifton township.....	369	425	-13.2	Big Woods township.....	191	207	-7.7
Coon Creek township.....	334	409	-18.3	Bloomer township.....	185	266	-18.1
Cottonwood village.....	794	717	10.7	Boxville township.....	121	168	-28.0
Custer township.....	359	401	-10.5	Cedar township.....	72	90	-20.0
Eidsvold township.....	334	407	-17.9	Como township.....	164	171	-4.1
Fairview township <sup>35</sup> .....	680	685	-0.7	Comstock township.....	79	78	1.3
Florence village.....	58	87	-33.3	Donnelly township.....	211	264	-20.1
Garvin village.....	201	205	-2.0	Eagle Point township.....	50	65	-23.1
Hent village.....	301	326	-7.7	East Park township.....	170	168	1.2
Landview township.....	381	449	-15.1	East Valley township.....	21	42	-50.0
Island Lake township.....	263	354	-25.7	Eckvoll township.....	68	85	-20.0
Lake Marshall township <sup>35</sup> .....	759	822	-7.7	Espelie township.....	88	116	-24.1
Lucas township.....	335	390	-14.1	Excel township.....	229	299	-23.4
Lynd township.....	400	379	5.5	Foldahl township.....	161	181	-11.0
Lynd village.....	267	259	3.1	Fork township.....	71	144	-50.7
Lyons township.....	310	356	-12.9	Grand Plain township.....	98	116	-15.5
Marshall city <sup>35</sup> .....	9,886	6,681	48.0	Grygla village.....	211	192	9.9
Minneota village <sup>35</sup> .....	1,320	1,297	1.8	Holt township.....	193	201	-4.0
Monroe township <sup>35</sup> .....	376	441	-14.6	Holt village.....	97	114	-14.9
Norland township.....	340	418	-18.7	Huntry township.....	107	102	4.9
Rock Lake township.....	300	374	-19.8	Lincoln township.....	176	199	-11.6
Russell village.....	398	449	-11.4	Linsell township.....	39	48	-18.8
Shelburne township.....	324	440	-26.4	McCrea township.....	303	279	8.6
Sodus township.....	351	423	-17.0	Marsh Grove township.....	181	185	-2.2
Stanley township.....	360	375	-4.0	Middle River township.....	197	195	-4.1
Taunton village.....	195	233	-16.3	Middle River village.....	369	414	-10.9
Tracy city <sup>35</sup> .....	2,516	2,862	-12.1	Moose River township.....	70	88	-20.5
Vallers township.....	363	410	-11.5	Moylan township.....	158	159	-0.6
Westerheim township.....	381	419	-9.1	Nelson Park township.....	170	246	-30.9
McLeod County.....	27,662	24,401	13.4	New Folden township.....	212	209	1.4
Acoma township <sup>36</sup> .....	848	788	7.6	New Folden village.....	390	370	5.4
Bergen township <sup>36</sup> .....	816	793	2.9	New Maine township.....	169	219	-22.8
Biscay village.....	105	70	50.0	New Solum township.....	258	274	-5.8
Brownston village <sup>36</sup> .....	688	698	-1.4	Oak Park township <sup>37</sup> .....	253	314	-19.4
Collins township.....	518	589	-12.1	Oslo village <sup>37</sup> .....	114	158	-27.8
Glencoe city <sup>36</sup> .....	4,217	3,216	31.1	Parker township.....	247	309	-20.1
Glencoe township <sup>36</sup> .....	652	857	-23.6	Rollis township.....	72	129	-44.2
Hale township <sup>36</sup> .....	962	997	-3.5	Sinnott township.....	182	200	-9.0
Hassan Valley township <sup>36</sup> .....	854	721	18.4	Spruce Valley township.....	904	858	5.4
Helen township <sup>36</sup> .....	767	728	5.4	Stephen village <sup>37</sup> .....	138	160	-13.8
Hutchinson city <sup>36</sup> .....	8,031	6,207	29.4	Strandquist village.....	166	142	16.9
Hutchinson township <sup>36</sup> .....	965	963	0.2	Tamarac township <sup>37</sup> .....	85	110	-22.7
Lester Prairie village <sup>36</sup> .....	1,162	966	20.3	Thief Lake township.....	237	250	-5.2
Lynn township.....	778	708	9.9	Valley township.....	228	269	-15.2
Penn township.....	470	518	-9.3	Vega township.....	62	64	-3.1
Plato village <sup>36</sup> .....	303	280	8.2	Veldt township.....	274	288	-4.9
Rich Valley township.....	875	849	3.1	Viking township.....	118	128	-7.8
Round Grove township.....	407	471	-13.6	Wanger township.....	233	273	-14.7
Silver Lake village <sup>36</sup> .....	694	646	7.4	Warren city.....	1,999	2,007	-0.4
Stewart village.....	666	676	-1.5	Warrenton township.....	119	169	-29.6
Swarter township <sup>36</sup> .....	453	519	-21.7	West Valley township.....	204	252	-19.0
Winsted township <sup>36</sup> .....	1,155	978	18.1	Whiteford township.....	45	67	-32.8
Winsted village <sup>36</sup> .....	1,266	1,163	8.9	Wright township.....	247	272	-9.2
				Unorg. Terr. of Mud Lake.....	14	11	27.3

Table 10. Population of County Subdivisions: 1970 and 1960-Continued

[Total population of a place in two or more county subdivisions appears in table 6. County subdivision figures for 1960 do not necessarily add to county totals. For meaning of symbols, see text.]

County Subdivisions	1970	1960	Percent change	County Subdivisions	1970	1960	Percent change
Martin County.....	24,316	26,986	-9.9	Mille Lacs County--Con.			
Cedar township.....	355	463	-23.3	Pease village.....	187	191	-2.1
Center Creek township.....	439	518	-15.3	Princeton township.....	1,294	983	31.6
Ceylon village.....	487	554	-12.1	Princeton village.....	2,531	2,353	7.6
Dunnell village.....	237	260	-8.8	South Harbor township.....	583	491	18.7
East Chain township.....	475	629	-24.5	Wahkon village <sup>40</sup> .....	208	172	20.9
Elm Creek township.....	298	440	-32.3	Morrison County.....	26,949	26,641	1.2
Fairmont city <sup>38</sup> .....	10,751	9,745	10.3	Agram township.....	256	235	8.5
Fairmont township <sup>38</sup> .....	308	1,722	-82.1	Belle Prairie township.....	1,406	1,113	26.3
Fox Lake township <sup>38</sup> .....	416	494	-18.8	Bellevue township.....	504	490	2.9
Fraser township.....	451	569	-20.7	Bowlus village.....	268	263	1.9
Galena township.....	365	436	-16.3	Buckman township.....	754	743	1.5
Granada village.....	381	418	-8.9	Buckman village.....	158	166	-4.8
Jay township.....	443	503	-11.9	Buh township.....	570	579	-1.6
Lake Belt township.....	397	497	-20.1	Clough township.....	94	104	-9.6
Lake Fremont township.....	365	466	-21.7	Culdrum township.....	540	557	-3.1
Manyaska township.....	439	534	-17.8	Cushing township.....	297	341	-12.9
Nashville township.....	361	465	-22.4	Darling township.....	556	530	4.9
Northrop village.....	188	189	-0.5	Elmdale township <sup>41</sup> .....	794	879	-9.7
Oomsby village (part).....	62	68	-8.8	Elmdale village.....	116	88	31.8
Pleasant Prairie township.....	456	582	-21.6	Flensburg village.....	259	280	-7.5
Rolling Green township <sup>38</sup> .....	461	515	-10.5	Genola village.....	97	108	-10.2
Rutland township <sup>38</sup> .....	538	672	-19.9	Granite township.....	529	542	-2.4
Sherburn village.....	1,190	1,227	-3.0	Green Prairie township.....	599	488	22.7
Silver Lake township.....	521	599	-13.0	Harding village.....	119	111	7.2
Tenhausen township.....	459	536	-14.4	Hillman township.....	147	156	-5.8
Trimont village.....	835	942	-11.4	Hillman village.....	49	80	-38.8
Truman village.....	1,137	1,256	-9.5	Lakin township.....	383	404	-5.2
Waverly township.....	370	440	-15.9	Lastrup village.....	161	138	16.7
Welcome village <sup>38</sup> .....	694	733	-5.3	Leigh township.....	177	175	1.1
Westford township.....	437	514	-15.0	Little Falls city <sup>41</sup> .....	7,467	7,551	-1.1
Meeker County.....	18,810	18,887	-0.4	Little Falls township <sup>41</sup> .....	882	678	30.1
Acton township.....	862	479	80.0	Morrill township.....	532	589	-9.7
Cedar Mills township.....	602	663	-9.2	Motley township.....	134	98	36.7
Cedar Mills village.....	81	96	-15.6	Mount Morris township.....	94	98	-4.1
Collinwood township.....	551	685	-19.6	Parker township.....	479	519	-7.7
Cosmos township.....	312	477	-34.6	Pierz township.....	545	542	0.6
Cosmos village.....	570	487	17.0	Pierz village.....	893	816	9.9
Danielson township.....	351	467	-24.8	Pike Creek township <sup>41</sup> .....	885	887	-0.2
Darwin township.....	552	472	16.9	Platte township.....	361	379	-1.1
Darwin village.....	234	273	-17.9	Pulaski township.....	281	275	2.2
Dassel township.....	581	639	-9.1	Rail Prairie township.....	87	109	-20.2
Dassel village.....	1,058	863	22.6	Randall village.....	536	516	3.9
Eden Valley village (part).....	489	523	-6.5	Richardson township.....	345	325	6.1
Ellsworth township.....	524	513	2.1	Ripley township.....	562	486	15.6
Forest City township.....	597	637	-6.3	Rosing township.....	64	59	8.8
Forest Prairie township <sup>39</sup> .....	745	787	-5.3	Royalton village.....	534	580	-7.4
Greenleaf township.....	509	582	-12.5	Scandia Valley township.....	539	420	28.1
Grove City village.....	502	466	7.7	Sobieski village.....	189	190	-0.5
Harvey township.....	374	501	-25.3	Swan River township.....	733	721	1.1
Kingston township <sup>39</sup> .....	955	1,153	-17.2	Swanville township.....	493	582	-15.1
Kingston village <sup>39</sup> .....	115	...	...	Swanville village.....	300	342	-12.1
Litchfield city.....	5,262	5,078	3.6	Two Rivers township.....	518	522	-0.8
Litchfield township.....	682	591	15.4	Upsala village <sup>41</sup> .....	312	356	-12.1
Manannah township.....	598	653	-8.4	Mower County.....	43,783	48,498	-9.9
Swede Grove township.....	435	484	-10.1	Adams township.....	575	651	-11.1
Union Grove township.....	494	574	-13.9	Adams village.....	771	806	-4.4
Watkins village <sup>39</sup> .....	785	744	5.5	Austin city <sup>42</sup> .....	23,074	27,998	-16.9
Mille Lacs County.....	15,703	14,560	7.9	Austin township <sup>42</sup> .....	2,777	3,052	-10.9
Bock village.....	105	91	15.4	Bennington township.....	244	332	-28.1
Bogus Brook township.....	761	780	-2.4	Brownsville village.....	625	622	0.5
Borgholm township.....	856	837	2.3	Clayton township.....	273	356	-18.1
Brabury township.....	131	149	-12.1	Dexter township <sup>42</sup> .....	417	530	-21.1
Dailey township.....	185	192	-3.1	Dexter village <sup>42</sup> .....	252	313	-19.6
East Side township.....	516	353	46.2	Elkton village.....	134	147	-8.8
Foreston village.....	273	266	2.6	Frankford township <sup>42</sup> .....	482	425	14.1
Greenbush township.....	794	686	15.7	Grand Meadow township <sup>42</sup> .....	490	549	-10.9
Haylund township.....	281	253	6.0	Grand Meadow village <sup>42</sup> .....	869	837	3.1
Isle Harbor township <sup>40</sup> .....	403	356	13.2	Lansing township <sup>42</sup> .....	1,828	2,101	-13.1
Isle village.....	551	529	4.2	Le Roy township.....	446	510	-12.1
Kathio township.....	693	651	6.5	Le Roy village.....	870	971	-10.1
Lewis township.....	34	44	-22.7	Lodi township.....	408	451	-9.9
Milaca township <sup>40</sup> .....	813	729	11.5	Lyle township.....	511	584	-14.2
Milaca village <sup>40</sup> .....	1,940	1,821	6.5	Lyle village.....	522	607	-14.1
Milo township.....	920	925	-0.5	Mapleview village.....	328	381	-13.1
Mudgett township.....	102	121	-15.7	Marshall township.....	478	515	-7.1
Onamia township.....	427	473	-9.7	Nevada township.....	482	557	-13.1
Onamia village.....	670	645	3.9				
Page township.....	444	457	-2.8				

See footnotes at end of table.

Table 10. Population of County Subdivisions: 1970 and 1960—Continued

[Total population of a place in two or more county subdivisions appears in table 6. County subdivision figures for 1960 do not necessarily add to county totals. For meaning of symbols, see text.]

County Subdivisions	1970	1960	Percent change	County Subdivisions	1970	1960	Percent change
Mower County—Con.				Nobles County—Con.			
Pleasant Valley township.....	375	399	-6.0	Lismore township.....	354	454	-22.0
Racine township.....	383	521	-26.5	Lismore village.....	323	306	5.6
Racine village.....	197	180	9.4	Little Rock township.....	401	478	-16.3
Red Rock township <sup>42</sup> .....	968	1,019	-5.0	Lorain township <sup>43</sup> .....	514	521	-1.3
Rose Creek village.....	390	351	11.1	Olney township.....	400	463	-13.6
Sargeant township.....	402	461	-12.8	Ransom township.....	441	516	-14.5
Sargeant village.....	85	113	-24.8	Round Lake village.....	506	449	12.7
Taopi village.....	59	92	-35.9	Rushmore village.....	394	382	3.1
Dolphin township.....	577	595	-3.0	Seward township.....	382	462	-17.3
Waltham township.....	553	626	-11.7	Summit Lake township.....	528	592	-10.8
Waltham village.....	189	207	-8.7	Westside township <sup>43</sup> .....	384	450	-14.7
Windom township.....	747	757	-1.3	Wilmont township.....	419	555	-24.5
Murray County.....	12,508	14,743	-15.2	Wilmont village.....	390	473	-17.5
Avoca village.....	203	226	-10.2	Worthington city <sup>45</sup> .....	9,823	9,015	9.0
Belfast township.....	357	437	-18.3	Worthington township <sup>45</sup> .....	891	690	29.1
Bondin township <sup>43</sup> .....	459	501	-8.4	Norman County.....	10,008	11,253	-11.1
Cameron township.....	289	411	-29.7	Ada city.....	2,076	2,064	0.6
Chanarambie township.....	342	497	-31.2	Anthony township.....	183	239	-23.4
Chandler village.....	319	388	-17.8	Bear Park township.....	349	414	-15.7
Currie village.....	368	438	-16.0	Borup village.....	128	145	-11.7
Des Moines River township.....	308	398	-22.6	Flom township.....	312	421	-25.9
Dovray township.....	410	547	-25.0	Fossum township.....	280	319	-18.5
Dovray village.....	104	113	-8.0	Gary village.....	265	262	1.1
Elisborough township.....	350	473	-26.0	Good Hope township.....	122	148	-17.6
Fenton township.....	391	480	-18.5	Green Meadow township.....	191	263	-27.4
Fulda village <sup>43</sup> .....	1,226	1,202	2.0	Halstad township.....	255	333	-23.4
Hadley village.....	119	151	-21.2	Halstad village.....	598	639	-6.4
Holly township.....	290	359	-19.2	Hegne township.....	140	160	-12.5
Iona township.....	349	412	-15.3	Hendrum township <sup>46</sup> .....	233	305	-23.6
Iona village.....	260	328	-20.7	Hendrum village <sup>46</sup> .....	311	305	2.0
Lake Sarah township.....	352	389	-9.5	Home Lake township.....	216	252	-14.3
Lake Wilson village.....	378	436	-13.3	Lake Ida township.....	198	243	-18.5
Leeds township.....	322	393	-18.1	Lee township.....	199	274	-27.4
Lime Lake township.....	365	448	-18.5	Lockhart township.....	167	208	-19.7
Low township.....	311	405	-23.2	McDonaldsville township.....	309	300	3.0
Mas. township.....	384	422	-9.0	Mary township.....	187	266	-29.7
Moulton township.....	472	671	-29.7	Perley village.....	149	165	-9.7
Muray township.....	386	514	-24.9	Pleasant View township.....	217	278	-21.9
Shetek township.....	338	393	-14.0	Rockwell township.....	99	135	-26.7
Skandia township.....	282	368	-23.4	Shelly township.....	261	355	-26.5
Slayton township.....	527	569	-7.4	Shelly village.....	260	310	-16.1
Slayton village.....	2,351	2,487	-5.5	Spring Creek township.....	141	149	-5.4
Nicollet County.....	24,518	23,196	5.7	Strand township.....	193	226	-14.6
Belgrade township <sup>44</sup> .....	1,052	1,106	-4.9	Sundal township.....	227	261	-13.0
Bernadotte township.....	475	559	-15.0	Twin Valley village <sup>46</sup> .....	868	841	3.2
Brighton township.....	245	251	-2.4	Waukon township.....	281	363	-22.6
Courtland township.....	628	626	0.3	Wild Rice township <sup>46</sup> .....	462	432	6.9
Courtland village.....	300	239	25.5	Winchester township.....	151	178	-15.2
Granby township.....	387	454	-14.8	Olmsted County.....	84,104	65,532	28.3
Lafayette township.....	891	773	15.3	Byron village <sup>47</sup> .....	1,419	660	115.0
Lafayette village.....	498	516	-3.5	Cascade township <sup>47</sup> .....	2,442	1,948	25.4
Lake Prairie township.....	756	830	-8.9	Chatfield city (part) <sup>47</sup> .....	723	601	20.3
New Sweden township.....	489	592	-17.4	Dover township.....	511	511	-
Nicollet township <sup>44</sup> .....	550	598	-8.0	Dover village.....	321	312	2.9
Nicollet village <sup>44</sup> .....	618	493	25.4	Elnira township <sup>47</sup> .....	445	435	2.3
North Mankato city <sup>44</sup> .....	7,347	5,927	24.0	Eyota township.....	585	563	3.9
Oshawa township.....	527	466	13.1	Eyota village.....	639	558	14.5
Ridgely township.....	192	216	-11.1	Farmington township.....	619	569	11.1
St. Peter city <sup>41</sup> .....	8,339	8,484	-1.7	Haverhill township <sup>47</sup> .....	1,019	842	21.0
Traverse township <sup>44</sup> .....	605	450	34.4	High Forest township <sup>47</sup> .....	1,135	981	15.7
West Newton township.....	619	616	0.5	Kalmar township <sup>47</sup> .....	948	835	13.5
Nobles County.....	23,208	23,365	-0.7	Marion township <sup>47</sup> .....	5,998	1,050	29.0
Aurian village <sup>45</sup> .....	1,350	1,215	11.1	New Haven township.....	937	910	3.0
Bigelow township.....	438	478	-8.4	Orion township.....	486	441	5.9
Bigelow village.....	262	256	2.3	Oronoce township.....	847	1,167	-27.4
Blow township.....	351	443	-20.9	Oronoce village <sup>47</sup> .....	564	...	...
Breastor village.....	563	500	12.6	Pleasant Grove township.....	750	780	-3.8
Donald township.....	464	471	-2.1	Quincy township.....	446	487	-8.1
Dundee village.....	138	148	-6.8	Rochester city <sup>47</sup> .....	53,766	40,663	32.2
Elk township.....	369	491	-24.8	Rochester township <sup>47</sup> .....	4,314	3,912	11.0
Elk Seth village.....	588	634	-7.3	Rock Dell township.....	630	539	16.9
Gr. Lakes township.....	381	448	-15.0	Salem township.....	1,010	826	25.9
Gr. Prairie township.....	344	388	-11.3	Stewartville village <sup>47</sup> .....	2,802	1,670	67.8
Jersey township.....	324	414	-21.7	Viola township.....	678	669	1.3
Indian Lake township.....	389	429	-9.3	Otter Tail County.....	46,097	48,960	-5.8
Minrae village.....	37	55	-32.7	Aastad township.....	247	318	-22.3
Lurkin township.....	387	483	-19.9	Amor township.....	408	366	11.5
Leota township.....	671	702	-4.1	Aurdal township.....	795	578	37.5
				Cattle Lake village <sup>48</sup> .....	772	733	5.3

See footnotes at end of table.

Table 10. Population of County Subdivisions: 1970 and 1960—Continued

[Total population of a place in two or more county subdivisions appears in table 6. County subdivision figures for 1960 do not necessarily add to county totals. For meaning of symbols, see text.]

County Subdivisions	1970	1960	Percent change	County Subdivisions	1970	1960	Percent change
Otter Tail County--Con.				Pennington County.....	13,266	12,468	6.4
Blowers township.....	400	398	0.5	Black River township <sup>48</sup> .....	104	114	-8.8
Bluffton township <sup>48</sup> .....	517	759	-31.9	Bray township.....	98	111	-11.7
Bluffton village <sup>48</sup> .....	195	211	-7.6	Clover Leaf township.....	120	134	-10.4
Buse township <sup>48</sup> .....	485	478	1.5	Deer Park township.....	181	182	-0.5
Butler township.....	373	367	1.6	Goodridge township.....	69	63	9.5
Candor township.....	269	305	-11.8	Goodridge village.....	141	131	7.5
Carlisle township.....	251	326	-23.0	Hickory township.....	96	151	-36.4
Clitherall township.....	349	377	-7.4	Highlanding township.....	209	244	-14.3
Clitherall village.....	131	138	-5.1	Kratka township.....	153	199	-23.1
Compton township.....	583	604	-3.5	Mayfield township.....	69	108	-36.1
Corliss township.....	402	472	-14.8	Norden township.....	208	209	-0.5
Dalton village <sup>48</sup> .....	221	239	-7.5	North township <sup>49</sup> .....	652	992	-34.3
Dane Prairie township.....	562	451	24.6	Numedal township.....	113	123	-8.1
Dead Lake township.....	316	344	-8.1	Polk Centre township.....	124	114	8.8
Deer Creek township.....	321	386	-16.8	Reiner township.....	101	128	-21.1
Deer Creek village.....	287	312	-8.0	River Falls township.....	171	201	-16.2
Dent village.....	156	176	-11.4	Roxbury township <sup>49</sup> .....	669	676	-1.0
Dora township.....	370	424	-12.7	St. Hilaire village <sup>49</sup> .....	337	270	24.8
Dunn township.....	405	381	6.3	Sanders township.....	254	281	-9.6
Eagle Lake township.....	277	361	-23.3	Silverton township.....	203	200	1.5
Eastern township.....	294	339	-13.3	Smiley township.....	274	284	-3.5
Edna township.....	469	379	23.7	Star township.....	180	251	-28.3
Effington township.....	332	416	-20.2	Thief River Falls city <sup>49</sup> .....	8,618	7,151	20.5
Elizabeth township.....	440	386	14.0	Wyandotte township.....	119	145	-17.9
Elizabeth village.....	188	168	11.9	Pine County.....	16,821	17,004	-1.1
Elmo township.....	381	458	-16.8	Arlone township.....	232	218	6.4
Erhard Grove township.....	392	401	-3.0	Arna township.....	93	109	-14.7
Erhard village.....	148	150	-1.3	Askov village.....	287	331	-13.3
Everts township <sup>49</sup> .....	429	430	-0.2	Barry township.....	333	316	-3.8
Fergus Falls city <sup>48</sup> .....	12,443	13,733	-9.4	Birch Creek township.....	297	345	-13.9
Fergus Falls township <sup>48</sup> .....	877	538	63.0	Bremen township.....	145	213	-31.9
Folden township.....	288	402	-28.4	Brook Park township.....	325	326	-0.3
Friberg township.....	511	495	3.2	Brook Park village.....	113	108	4.6
Girard township.....	345	296	16.6	Bruno township.....	291	294	-1.0
Gorman township.....	428	433	-1.2	Bruno village.....	130	116	12.1
Henning township.....	362	472	-23.3	Chengwatana township.....	377	365	3.3
Henning village.....	850	980	-13.3	Clover township.....	91	135	-32.6
Robert township.....	472	444	6.3	Crosby township.....	61	85	-28.2
Homestead township.....	350	374	-6.4	Danforth township.....	65	68	-4.1
Human township.....	353	388	-9.0	Dell Grove township.....	449	459	-2.2
Leaf Lake township.....	414	496	-16.5	Denham village.....	56	71	-21.1
Leaf Mountain township.....	295	341	-13.5	Finlayson township <sup>50</sup> .....	334	386	-13.5
Lida township.....	361	402	-10.2	Finlayson village <sup>50</sup> .....	192	213	-9.9
Maine township.....	434	507	-14.4	Fleming township.....	50	80	-37.5
Maplewood township.....	312	423	-26.2	Henriette village.....	56	65	-13.8
Newton township.....	691	748	-7.6	Hinckley township <sup>50</sup> .....	501	566	-11.5
New York Mills village.....	791	828	-4.5	Hinckley village <sup>50</sup> .....	885	851	4.0
Nidaros township.....	234	320	-26.9	Kerrick township.....	272	269	1.1
Norwegian Grove township.....	340	394	-13.7	Kerrick village.....	114	110	3.6
Oak Valley township.....	411	459	-10.5	Kettle River township.....	758	810	-6.4
Orwell township.....	218	272	-19.9	Rutledge village.....	123	146	-15.8
Oscar township.....	286	368	-22.3	Willow River village.....	331	343	-3.5
Otter Tail township.....	212	174	21.8	Mission Creek township.....	437	464	-5.8
Otter Tail village.....	180	164	9.3	Munch township.....	136	110	23.6
Otto township.....	367	399	-8.0	New Dosey township <sup>50</sup> .....	67	92	-27.2
Paddock township.....	312	409	-23.7	Nigkerson township.....	147	129	14.0
Parkers Prairie township.....	296	368	-19.6	Norman township.....	190	227	-16.3
Parkers Prairie village.....	882	884	-0.2	Ogema township.....	104	200	-48.0
Pelican township.....	489	513	-4.7	Park township.....	51	94	-45.7
Pelican Rapids village.....	1,835	1,693	8.4	Partridge township.....	399	496	-19.6
Perham township.....	504	405	24.4	Pine City township <sup>50</sup> .....	797	824	-3.3
Perham village.....	1,933	2,019	-4.3	Pine City village <sup>50</sup> .....	2,143	1,972	-8.7
Pine Lake township.....	294	306	-3.9	Pine Lake township.....	356	328	8.5
Richville village.....	102	91	12.1	Pokegama township.....	1,091	961	13.5
Rothsay village (part) <sup>48</sup> .....	147	134	9.7	Rock Creek township.....	615	729	12.0
Rush Lake township.....	483	405	19.3	Royalton township.....	540	599	-9.5
St. Olaf township.....	324	437	-25.9	Sandstone township <sup>50</sup> .....	429	487	-11.8
Scambier township.....	323	365	-11.5	Sandstone village <sup>50</sup> .....	1,641	1,552	5.7
Star Lake township.....	334	404	-17.3	Sturgeon Lake township.....	470	468	0.4
Sverdrup township.....	498	507	-1.8	Sturgeon Lake village.....	167	151	10.7
Tordenskjold township.....	411	470	-12.6	Wilma township.....	101	46	117.1
Trondhjem township <sup>48</sup> .....	244	332	-26.5	Windemere township.....	511	374	36.6
Tumuli township <sup>48</sup> .....	349	399	-10.3	Pipestone County.....	12,791	13,605	-6.0
Underwood village.....	278	314	-11.5	Aetna township.....	357	451	-20.8
Urbank village.....	125	177	-29.4	Altona township.....	326	408	-20.1
Vergas village.....	281	292	-3.8	Burke township.....	293	416	-28.7
Vining village.....	121	136	-11.0	Eden township.....	450	522	-13.8
Western township.....	226	275	-17.8	Edgerton village.....	1,119	1,019	9.1
Woodside township.....	316	362	-12.7	Elmer township.....	440	490	-10.1
				Fountain Prairie township.....	305	366	-16.1

See footnotes at end of table.

Table 10. Population of County Subdivisions: 1970 and 1960—Continued

[Total population of a place in two or more county subdivisions appears in table 6. County subdivision figures for 1960 do not necessarily add to county totals. For meaning of symbols, see text.]

County Subdivisions	1970	1960	Percent change	County Subdivisions	1970	1960	Percent change
Pipestone County--Con.				Polk County--Con.			
Grange township.....	335	364	-8.0	Tabor township.....	217	268	-19.0
Gray township <sup>51</sup> .....	368	383	-3.9	Tilden township.....	52	50	4.0
Hatfield village.....	96	95	1.1	Trail village.....	99	100	-1.0
Holland village.....	263	264	-0.4	Tynsid township.....	83	112	-25.9
Ihlen village.....	132	111	18.9	Vineland township.....	150	229	-34.5
Jasper village (part).....	680	749	-9.2	Winger township <sup>52</sup> .....	281	314	-10.5
Osborne township.....	459	500	-10.0	Winger village <sup>52</sup> .....	228	292	-21.9
Pipestone city <sup>51</sup> .....	5,328	5,324	0.1	Woodside township.....	297	341	-12.9
Rock township.....	306	394	-22.3				
Rutherford village.....	405	476	-14.9	Polk County.....	11,107	11,914	-6.8
Sweet township <sup>51</sup> .....	406	483	-15.9	Bangor township.....	239	290	-17.6
Trosky village.....	109	122	-10.7	Barsness township.....	213	271	-21.4
Froy township.....	401	455	-11.9	Ben Wade township.....	314	415	-24.3
Woodstock village.....	217	213	1.9	Blue Mounds township.....	247	333	-25.8
Polk County.....	34,435	36,182	-4.8	Chippewa Falls township.....	312	318	-1.9
Andover township.....	184	172	7.0	Cyrus village.....	269	362	-20.2
Angus township.....	179	218	-17.9	Farwell village.....	102	106	-3.8
Badger township.....	212	283	-25.1	Gilchrist township.....	219	280	-21.8
Belgium township.....	150	140	7.1	Glenwood city <sup>53</sup> .....	2,584	2,631	-1.8
Boltrami village.....	171	186	-8.1	Glenwood township <sup>53</sup> .....	732	557	31.4
Brandsvold township.....	318	345	-7.8	Grove Lake township.....	268	315	-14.9
Brandt township.....	113	140	-19.3	Hoff township.....	255	314	-18.8
Brislet township.....	104	128	-18.8	Lake Johanna township.....	161	197	-18.3
Egland township.....	352	324	8.6	Langhei township.....	312	347	-10.1
Chester township.....	116	155	-25.2	Leaven township.....	460	468	-1.7
Climax village.....	255	310	-17.7	Long Beach village.....	219	236	-7.2
Columbia township.....	405	437	-7.3	Lowry village.....	257	294	-12.6
Crookston city <sup>52</sup> .....	8,312	8,546	-2.7	Minnewaska township.....	227	209	8.6
Crookston township <sup>52</sup> .....	580	355	63.4	New Prairie township.....	293	326	-10.1
East Grand Forks city <sup>52</sup> .....	7,607	6,998	8.7	Nora township.....	309	369	-16.3
Eden township.....	273	357	-23.5	Reno township.....	331	394	-16.0
Erskine village.....	571	614	-7.0	Rolling Forks township.....	246	300	-18.0
Fest township.....	154	195	-21.0	Sedan village.....	55	91	-39.6
Eue township.....	233	311	-25.1	Starbuck village.....	1,138	1,099	3.5
Fairfax township.....	270	293	-7.8	Villard village.....	221	235	-6.0
Fanny township.....	137	164	-16.5	Walden township.....	251	283	-11.3
Farley township.....	75	132	-43.2	Westport township.....	337	329	2.4
Fertile village <sup>52</sup> .....	955	968	-1.3	Westport village.....	65	87	-25.3
Fisher township.....	542	502	8.0	White Bear Lake township.....	451	458	-1.5
Fisher village.....	383	326	17.5	Ramsey County.....	476,255	422,525	12.7
Flaxton village <sup>52</sup> .....	1,684	1,704	-1.2	Arden Hills village <sup>54</sup> .....	5,628	3,930	43.2
Garden township.....	305	430	-29.1	Blaine city (part) <sup>54</sup> .....	5	5	-
Garfield township <sup>52</sup> .....	408	400	2.0	Falcon Heights village.....	5,507	5,927	-7.1
Gentilly township.....	395	426	-7.3	Gem Lake village.....	216	305	-29.2
Godfrey township.....	266	294	-9.5	Lauderdale village.....	2,419	1,676	44.3
Grand Forks township <sup>52</sup> .....	357	259	37.8	Little Canada village.....	3,481	3,512	-0.9
Grove Park township.....	257	279	-7.9	Maplewood village <sup>54</sup> .....	25,222	18,519	36.2
Gully township.....	77	121	-36.4	Mounds View village.....	9,988	6,416	55.7
Gully village.....	96	168	-42.9	New Brighton village <sup>54</sup> .....	19,507	6,448	202.5
Hammond township.....	63	77	-18.2	North Oaks village.....	2,002	803	149.3
Heleceland township.....	85	98	-13.3	North St. Paul village.....	11,950	8,520	40.3
Higdon township.....	124	165	-33.0	Roseville village.....	34,518	23,997	43.8
Hill River township.....	238	284	-16.2	St. Anthony village (part).....	2,353	340	592.1
Hinckard township.....	162	238	-31.9	St. Paul city.....	309,980	313,411	-1.1
Huntsville township.....	461	457	0.9	Shoreview village.....	11,034	7,157	54.2
Johnson township.....	114	133	-14.3	Spring Lake Park village (part).....	98	76	28.9
Kertonville township.....	197	211	-6.6	Vadnais Heights village <sup>54</sup> .....	3,391	2,459	37.9
Keweenaw township.....	122	162	-24.7	White Bear Lake city (part) <sup>54</sup> .....	23,290	12,849	81.3
King township.....	236	302	-21.9	White Bear township <sup>54</sup> .....	5,666	6,175	-8.2
Knute township.....	403	451	-10.6	Red Lake County.....	5,388	5,820	-7.5
Lagay village.....	140	181	-22.7	Brooks Village.....	163	148	10.1
Lester township.....	206	268	-23.1	Browns Creek township.....	78	92	-15.2
Lindstrom.....	15	198	-24.2	Emardville township.....	318	370	-14.1
Lowell township <sup>52</sup> .....	217	414	-47.6	Equality township.....	153	287	-45.2
Minotash village.....	753	785	-4.1	Garnes township.....	237	268	-11.5
Minter village.....	236	281	-16.0	Gervais township.....	274	323	-15.2
Moorland village.....	152	135	-20.2	Lake Pleasant township.....	164	209	-21.5
Neufeld township.....	135	183	-14.8	Lambert township.....	240	331	-27.5
Neufeld township.....	287	340	-15.6	Louisville township.....	239	319	-25.1
Neufeld township.....	121	166	-27.1	Oklee village.....	536	529	1.3
Neufeld township.....	98	128	-23.4	Plummer village.....	285	283	0.7
Neufeld township.....	291	391	-25.6	Poplar River township.....	265	319	-16.9
Neufeld township.....	138	206	-33.0	Red Lake Falls city.....	1,740	1,520	14.5
Neufeld township.....	416	220	89.1	Red Lake Falls township.....	232	246	-5.7
Neufeld township.....	268	282	-5.0	River township.....	90	116	-22.4
Neufeld township.....	334	365	-3.0	Terrabonne township.....	233	345	-32.5
Neufeld township.....	85	164	-48.2	Wylie township.....	111	123	-11.2
Neufeld township.....	84	106	-20.8				
Neufeld township.....	126	145	-13.1				
Neufeld township.....	213	296	-28.0				
Neufeld township.....	213	207	2.9				

Table 10. Population of County Subdivisions: 1970 and 1960—Continued

[Total population of a place in two or more county subdivisions appears in table 6. County subdivision figures for 1960 do not necessarily add to county totals. For meaning of symbols, see text.]

County Subdivisions	1970	1960	Percent change	County Subdivisions	1970	1960	Percent change
Redwood County.....	20,024	21,718	-7.8	Rice County.....	41,582	38,988	6.7
Belview village.....	429	400	7.3	Bridgewater township <sup>57</sup> .....	1,315	1,019	29.0
Brookville township.....	396	468	-15.4	Cannon City township <sup>57</sup> .....	1,062	955	11.2
Charlestown township.....	338	455	-25.7	Dundas village.....	460	488	-5.7
Clements village.....	252	269	-6.3	Erin township.....	704	648	8.6
Delhi township.....	369	375	-1.6	Faribault city <sup>57</sup> .....	16,595	16,926	-2.0
Delhi village.....	154	124	24.2	Forest township.....	764	649	17.7
Gales township.....	268	333	-19.5	Lonsdale village.....	622	541	15.0
Granite Rock township.....	423	485	-12.8	Morristown township.....	681	762	-10.6
Honner township <sup>55</sup> .....	99	108	-8.3	Morristown village.....	659	616	7.0
Johnsonville township.....	289	390	-25.9	Nerstrand village.....	231	217	6.5
Kintire township.....	288	368	-21.7	Northfield city <sup>57</sup> .....	10,235	8,707	17.5
Lamberton township.....	329	412	-20.1	Northfield township <sup>57</sup> .....	654	630	3.8
Lamberton village.....	962	1,141	-15.7	Richland township.....	563	609	-7.6
Lucan village.....	254	216	17.6	Sheldsville township.....	611	577	5.9
Milroy village.....	247	268	-7.8	Walcott township <sup>57</sup> .....	1,338	1,012	32.2
Morgan township.....	429	575	-25.4	Warsaw township <sup>57</sup> .....	999	875	14.2
Morgan village.....	972	975	-0.3	Webster township.....	1,096	997	9.9
New Avon township.....	451	481	-6.2	Wells township.....	1,398	1,220	14.6
North Hero township.....	310	382	-18.8	Wheatland township.....	1,068	939	13.7
North Redwood village.....	155	179	-13.4	Wheeling township.....	527	564	-9.8
Paxton township <sup>55</sup> .....	483	537	-10.1	Rock County.....	11,346	11,864	-4.4
Redwood Falls city <sup>55</sup> .....	4,774	4,285	11.4	Battle Plain township.....	353	483	-26.9
Redwood Falls township.....	383	480	-20.2	Beaver Creek township.....	566	629	-10.0
Revere village.....	166	201	-17.4	Beaver Creek village.....	235	250	-6.0
Sanborn village.....	505	521	-3.1	Clinton township <sup>58</sup> .....	436	700	-37.7
Seaforth village.....	132	131	0.8	Denver township.....	334	412	-18.0
Sheridan township.....	374	418	-10.5	Hardwick village.....	274	328	-16.5
Sherman township.....	278	345	-19.4	Hills village <sup>58</sup> .....	571	516	10.7
Springdale township.....	359	448	-19.9	Jasper village (part).....	74	101	-26.7
Sundown township.....	399	502	-20.5	Kanaranzi township.....	414	435	-4.8
Swedes Forest township.....	190	213	-10.8	Kenneth village.....	89	111	-19.8
Three Lakes township.....	361	440	-18.0	Luverne city <sup>58</sup> .....	4,703	4,249	10.7
Underwood township.....	322	379	-15.0	Luverne township <sup>58</sup> .....	462	539	-14.3
Vail township.....	432	441	-2.0	Magnolia township.....	279	335	-16.7
Vesta township.....	341	368	7.3	Magnolia village.....	233	280	-16.8
Vesta village.....	330	318	3.8	Martin township <sup>58</sup> .....	555	646	-14.1
Wabasso village.....	738	789	-6.5	Mound township.....	411	446	-7.8
Walnut Grove village.....	756	886	-14.7	Rose Dell township.....	420	499	-15.8
Wanda village.....	124	160	-22.5	Springwater township.....	460	547	-15.9
Waterbury township.....	403	541	-25.5	Steen village <sup>58</sup> .....	191	198	-3.5
Westline township.....	331	379	-12.7	Vienna township.....	286	358	-20.1
Willow Lake township.....	429	532	-19.4	Renville County.....	21,139	23,249	-9.1
Bandon township.....	393	461	-14.8	Roseau County.....	11,569	12,154	-4.8
Beaver Falls township.....	267	349	-23.5	Badger village.....	327	338	-3.3
Birch Cooley township <sup>56</sup> .....	349	435	-19.8	Barnett township.....	214	217	-1.4
Bird Island township <sup>56</sup> .....	412	452	-8.8	Barto township.....	181	181	-
Bird Island village.....	1,309	1,384	-5.4	Beaver township.....	92	111	-17.1
Boon Lake township.....	438	544	-19.5	Blooming Valley township.....	14	20	-30.0
Brookfield township.....	349	420	-16.9	Cedarbend township.....	118	157	-24.8
Buffalo Lake village.....	758	707	7.2	Deer township.....	153	185	-17.3
Cairo township.....	403	453	-11.0	Dewey township.....	137	110	24.5
Camp township.....	321	390	-17.7	Dieter township.....	209	263	-20.5
Crooks township.....	363	403	-9.9	Enstrom township.....	196	239	-18.0
Danube village.....	497	494	0.6	Falun township.....	207	302	-31.5
Emmet township.....	424	488	-13.1	Golden Valley township.....	165	141	17.0
Ericson township.....	369	518	-28.8	Greenbush village.....	787	706	11.5
Fairfax village.....	1,432	1,489	-3.8	Grimstad township.....	198	196	1.0
Flora township.....	342	393	-13.0	Hereim township.....	245	276	-11.2
Franklin village <sup>56</sup> .....	557	548	1.6	Huss township.....	185	218	-15.1
Hawk Creek township.....	311	343	-9.3	Jadis township.....	425	517	-17.8
Hector township <sup>56</sup> .....	425	503	-15.5	Lake township <sup>59</sup> .....	415	...	...
Hector village <sup>56</sup> .....	1,178	1,297	-9.2	Laona township.....	223	249	-10.4
Henryville township.....	430	508	-15.4	Lind township.....	83	79	5.1
Kingman township.....	349	454	-23.1	Malung township.....	310	336	-7.7
Martinsburg township.....	340	417	-18.5	Mickinock township.....	345	400	-13.8
Melville township.....	368	475	-22.5	Moose township.....	131	142	-7.7
Morton village.....	591	624	-5.3	Morraville township.....	334	392	-14.8
Norfalk township.....	389	436	-12.8	Nerson township.....	123	104	18.3
Olivia village <sup>57</sup> .....	2,553	2,355	8.4	Palmville township.....	38	63	-39.7
Osceola township.....	411	450	-8.7	Pohlitz township.....	66	102	-35.3
Palmyra township.....	442	481	-8.1	Polonia township.....	96	131	-26.7
Preston Lake township.....	466	506	-7.9	Poplar Grove township.....	125	142	-12.0
Renville city.....	1,252	1,373	-8.8	Reine township.....	90	112	-19.6
Sacred Heart township.....	407	529	-23.1	Roosevelt village.....	104	145	-28.3
Sacred Heart village.....	707	696	1.6	Roseau village <sup>59</sup> .....	2,552	2,146	18.9
Troy township <sup>56</sup> .....	374	513	-27.1	Ross township.....	214	217	-1.4
Wang township.....	358	448	-20.1	Skagen township.....	192	194	-1.0
Wellington township.....	430	475	-9.5	Soler township.....	116	138	-15.9
Winfield township.....	375	438	-14.4	Spruce township <sup>59</sup> .....	297	283	4.9

Table 10. Population of County Subdivisions: 1970 and 1960—Continued

[Total population of a place in two or more county subdivisions appears in table 6. County subdivision figures for 1960 do not necessarily add to county totals. For meaning of symbols, see text.]

County Subdivisions	1970	1960	Percent change	County Subdivisions	1970	1960	Percent change
Roseau County--Con.				St. Louis County--Con.			
Stafford township.....	201	244	-17.6	Ness township.....	97	141	-31.2
Stokes township.....	208	249	-16.5	New Independence township.....	172	190	-9.5
Strathcona village.....	31	64	-51.6	Nichols township.....	1,702	1,909	-10.8
Warroad village.....	1,086	1,309	-17.0	Leonidas village (part).....	106	94	12.8
Unorg. Terr. of North Roseau <sup>69</sup> .....	145	(NA)	(NA)	Normanna township.....	317	258	22.9
Unorg. Terr. of Northwest Roseau.....	14	(NA)	(NA)	Northland township.....	100	112	-10.7
Unorg. Terr. of River Roseau.....	...	(NA)	(NA)	Orr village.....	315	361	-12.7
Unorg. Terr. of Southeast Roseau.....	177	(NA)	(NA)	Owens township <sup>60</sup> .....	318	485	-34.4
St. Louis County.....	220,693	231,588	-4.7	Payne township.....	45	53	-9.4
Alango township.....	254	317	-19.9	Pike township.....	406	426	-4.7
Alborn township.....	261	265	-1.5	Portage township.....	163	189	-13.8
Alden township.....	156	174	-10.3	Prairie Lake township.....	43	64	-32.8
Angora township.....	225	261	-13.8	Proctor village.....	3,123	2,963	5.4
Arrowhead township.....	156	151	3.3	Rice Lake township <sup>60</sup> .....	3,359	3,615	-7.1
Ault township.....	42	79	-46.8	Sandy township.....	387	355	9.0
Aurora village.....	2,531	2,799	-9.6	Solway township.....	1,378	988	39.5
Babbitt village.....	3,076	2,587	18.9	Stoney Brook township.....	145	166	-12.7
Balkan township.....	732	830	-11.8	Stuntz township.....	4,640	5,739	-19.1
Bassett township.....	40	59	-32.2	Sturgeon township.....	199	204	-2.5
Beatty township.....	316	327	-3.4	Toivola township.....	243	312	-22.1
Biwabik township.....	2,256	2,592	-13.0	Tower city.....	699	878	-20.4
Biwabik city.....	1,483	1,836	-19.2				
Breitung township.....	907	877	3.4	Van Buren township.....	203	226	-10.2
Brevator township.....	880	672	31.0	Vermilion Lake township.....	305	275	10.9
Buhl village.....	1,303	1,326	-14.6	Virginia city.....	12,450	14,034	-11.3
Canosia township <sup>60</sup> .....	1,392	1,105	26.0	Waasa township.....	439	374	17.4
Cedar Valley township.....	181	234	-22.6	White township.....	1,854	1,716	8.0
Cherry township.....	593	610	-2.8	Willow Valley township.....	158	169	-6.3
Chisholm city.....	5,913	7,144	-17.2	Winton village.....	193	182	6.0
Clinton township.....	1,075	896	20.0	Wouri township.....	474	364	30.2
Iron Junction village.....	150	187	-19.8	Unorg. Terr. of Birch Lake.....	640	(NA)	(NA)
Leonidas village (part).....	51	...	...	Unorg. Terr. of Fomory.....	93	(NA)	(NA)
Colvin township.....	248	300	-17.3	Unorg. Terr. of Gheen.....	100	(NA)	(NA)
Cook village <sup>60</sup> .....	687	527	30.4	Unorg. Terr. of Hay Lake.....	91	(NA)	(NA)
Cotton township.....	301	341	-11.7	Unorg. Terr. of Heikkila Lake.....	994	(NA)	(NA)
Cr. /tonton township.....	374	376	-0.5	Unorg. Terr. of Janette Lake.....	157	(NA)	(NA)
/tonton village.....	137	144	-4.9	Unorg. Terr. of McCormack Lake.....	116	(NA)	(NA)
Duluth city <sup>60</sup> .....	100,578	106,884	-5.9	Unorg. Terr. of Northeast St. Louis.....	492	(NA)	(NA)
Duluth township.....	1,484	1,308	13.5	Unorg. Terr. of Northwest St. Louis.....	798	(NA)	(NA)
Ellisburg township.....	73	70	4.3	Unorg. Terr. of Pot Shot Lake.....	69	(NA)	(NA)
Elmer township.....	207	218	-5.0	Unorg. Terr. of Sand Lake.....	861	(NA)	(NA)
Fly city.....	4,904	5,438	-9.8	Unorg. Terr. of Whiteface Reservoir.....	133	(NA)	(NA)
Embarrass township.....	1,021	918	11.2	Unorg. Terr. of Wouri South.....	-	(NA)	(NA)
Eveleth city.....	4,721	5,721	-17.5	Scott County.....	32,423	21,909	48.0
Fairbanks township.....	79	106	-25.5	Belle Plaine borough.....	2,328	1,931	20.6
Fayal township.....	2,023	1,722	17.6	Belle Plaine township.....	805	780	3.2
Field township.....	315	353	-10.8	Blakely township.....	565	552	2.4
Fine Lakes township.....	153	191	-19.9	Cedar Lake township.....	1,051	750	40.1
Floodwood township.....	1,064	1,077	-1.2	Credit River township.....	1,165	439	165.4
Floodwood village <sup>60</sup> .....	650	677	-4.0	Eagle Creek township.....	2,215	979	126.3
Franklin village.....	41	45	-8.9	Prior Lake village (part) <sup>61</sup> .....	15	5	200.0
Fraser city.....	48	95	-49.5	Elko village.....	115	116	-0.9
Fredenberg township.....	408	252	61.9	Helena township <sup>61</sup> .....	1,156	922	25.4
French township.....	183	273	-33.5	Jackson township <sup>61</sup> .....	1,578	506	211.9
Gilbert city.....	2,287	2,591	-11.7	Jordan city.....	1,836	1,479	24.1
Graeser township.....	700	507	38.1	Louisville township.....	519	233	122.7
Grand Lake township.....	1,539	1,055	45.9	New Market township.....	1,451	1,053	37.8
Great Scott township.....	280	255	9.8	New Market village.....	215	211	1.9
Halden township.....	198	231	-14.3	New Prague city (part) <sup>61</sup> .....	1,731	1,614	7.2
Herman township <sup>60</sup> .....	6,737	5,765	16.9	St. Lawrence township.....	388	246	57.7
Hibbing village.....	16,104	17,731	-9.2	Sand Creek township.....	1,250	1,002	24.8
Hoyt Lakes village.....	3,634	3,186	14.1	Savage village <sup>61</sup> .....	3,611	1,094	230.1
Industrial township.....	509	404	26.0	Shakopee city <sup>61</sup> .....	6,876	5,201	32.2
L... township.....	151	237	-32.1	Spring Lake township.....	3,783	2,307	64.0
Kinney village.....	325	396	-17.9	Prior Lake village (part) <sup>61</sup> .....	1,099	843	30.4
Koeler township.....	176	159	10.7	Sherburne County.....	18,344	12,861	42.6
Lakeview township.....	1,393	1,340	4.0	Balgwin township.....	1,069	192	123.7
L... township.....	330	404	-18.7	Becker township.....	799	587	36.1
Leidig township.....	365	412	-11.4	Becker village.....	365	279	30.8
Linden Grove township.....	115	179	-35.8	Big Lake township <sup>62</sup> .....	1,708	1,126	51.7
Melavit township.....	426	435	-2.1	Big Lake village <sup>62</sup> .....	1,015	610	65.4
McKinley village.....	317	408	-22.3	Clear Lake township <sup>62</sup> .....	612	688	-11.0
Mallowands township <sup>60</sup> .....	307	396	-22.5	Clear Lake village <sup>62</sup> .....	280	316	-11.4
M... lands village <sup>60</sup> .....	128	176	-27.3	Elk River township <sup>62</sup> .....	1,846	986	87.2
M... town hip.....	1,751	1,445	21.2	Elk River village <sup>62</sup> .....	2,252	1,763	27.7
Missabe Mountain township.....	149	145	2.8	Haven township <sup>62</sup> .....	1,049	614	70.8
Monson township.....	137	162	-15.4	Livonia township.....	705	492	43.3
Morse township.....	1,250	1,204	3.8	Orrick township.....	602	364	37.9
Mountain Iron village.....	1,698	1,808	-6.1	Palmer township.....	663	441	50.3
				St. Cloud city (part) <sup>62</sup> .....	3,918	3,166	23.8
				Santiago township.....	541	486	10.9
				Zimmerman village <sup>62</sup> .....	495	302	63.9

See footnotes at end of table.

Table 10. Population of County Subdivisions, 1950 and 1960—Continued

[Total population of a place in two or more county subdivisions appears in table 6. County subdivision figures for 1960 do not necessarily add to county totals. For meaning of symbols, see text.]

County Subdivisions	1970	1960	Percent change	County Subdivisions	1970	1960	Percent change
Sibley County.....	15,845	16,228	-2.4	Stearns County--Con.			
Alfsborg township.....	541	571	-5.3	St. Martin township <sup>61</sup> .....	796	824	-3.1
Arlington city <sup>63</sup> .....	1,823	1,601	13.9	St. Martin village <sup>64</sup> .....	188	215	-12.6
Arlington township <sup>63</sup> .....	641	665	-3.6	St. Stephens village.....	331	276	19.9
Bismarck township.....	435	495	-12.1	St. Wendel township.....	1,051	642	63.7
Cornish township.....	456	506	-9.9	Sauk Centre city <sup>61</sup> .....	3,750	3,573	5.0
Dryden township <sup>63</sup> .....	567	533	6.4	Sauk Centre township <sup>64</sup> .....	871	955	-8.8
Faxon township.....	304	339	-10.3	Spring Hill township.....	630	666	-5.4
Gaylor city <sup>63</sup> .....	1,720	1,631	5.5	Spring Hill village.....	90	105	-14.3
Gibbon village <sup>63</sup> .....	877	896	-2.1	Waite Park village <sup>61</sup> .....	2,821	2,016	40.1
Grafton township.....	458	532	-13.9	Wakefield township <sup>61</sup> .....	1,510	877	75.6
Green Isle township <sup>63</sup> .....	638	756	-15.6	Zion township.....	562	622	-9.6
Green Isle village <sup>63</sup> .....	363	331	9.7				
Henderson city.....	730	728	0.3	Steele County.....	26,931	25,029	7.6
Henderson township.....	582	553	5.2	Aurora township.....	726	792	-8.3
Jessenland township.....	471	503	-6.4	Berliet township.....	484	621	-22.1
Kelso township.....	482	480	0.4	Blooming Prairie township.....	645	683	-5.6
Moltke township.....	489	548	-10.8	Blooming Prairie village.....	1,804	1,778	1.5
New Auburn township.....	524	579	-9.5	Clinton Falls township.....	483	459	5.2
New Auburn village.....	274	299	-8.4	Deerfield township.....	624	691	-9.7
Severance township <sup>63</sup> .....	440	522	-15.7	Ellendale village.....	569	501	13.6
Sibley township.....	498	558	-10.8	Havana township.....	611	689	-11.3
Transit township.....	479	498	-3.8	Lemond township.....	567	654	-13.3
Washington Lake township <sup>63</sup> .....	662	723	-8.4	Medford township <sup>65</sup> .....	423	392	7.9
Winthrop city.....	1,391	1,381	0.7	Medford village <sup>65</sup> .....	690	567	21.7
Stearns County.....	95,400	80,345	18.7	Meriden township.....	791	832	-4.9
Albany township <sup>64</sup> .....	775	799	-3.0	Merton township.....	475	550	-13.6
Albany village <sup>64</sup> .....	1,599	1,375	16.3	Owatonna city <sup>65</sup> .....	15,341	13,409	14.1
Ashley township.....	442	457	-3.3	Owatonna township <sup>65</sup> .....	1,051	832	26.7
Avon township.....	1,882	1,229	53.1	Somerset township.....	991	903	9.7
Avon village <sup>64</sup> .....	725	443	63.7	Summit township.....	653	676	-3.1
Belgrade village.....	713	666	7.1	Stevens County.....	11,218	11,262	-0.4
Brockway township.....	1,281	967	32.5	Alberta village.....	140	149	-6.0
Brooten village.....	615	661	-7.0	Baker township <sup>66</sup> .....	210	340	-39.1
Cold Spring village <sup>64</sup> .....	2,006	1,760	14.0	Chokio village <sup>66</sup> .....	455	498	-8.6
Collegeville township.....	2,371	1,812	30.8	Darnell township <sup>66</sup> .....	398	366	8.7
Crow Lake township.....	329	374	-12.0	Donnelly township.....	216	310	-30.3
Crow River township.....	421	405	4.0	Donnelly village.....	252	358	-29.6
Eden Lake township.....	922	849	8.6	Eldorado township.....	176	257	-31.5
Eden Valley village (part).....	287	270	6.3	Everglade township.....	204	270	-24.1
Elrosa village <sup>64</sup> .....	203	205	-1.0	Framnas township.....	319	378	-15.6
Fairhaven township.....	818	621	31.7	Hancock village.....	806	942	-14.4
Farming township.....	808	815	-0.9	Hodges township.....	296	339	-12.7
Freeport village.....	593	615	-3.6	Horton township.....	306	356	-11.0
Getty township.....	523	520	0.6	Moore township.....	261	379	-30.3
Grove township <sup>64</sup> .....	1,035	985	5.1	Morris city <sup>65</sup> .....	5,366	4,199	27.8
Greenwald village <sup>64</sup> .....	244	266	-8.3	Morris township <sup>66</sup> .....	452	376	20.2
Meire Grove village <sup>64</sup> .....	171	167	2.4	Pepperton township.....	264	291	-9.3
Holding township.....	1,079	1,070	0.8	Rendsville township.....	281	345	-18.6
Holdingford village.....	551	526	4.8	Scott township.....	214	277	-22.7
Kimball Prairie village.....	567	535	6.0	Stevens township.....	198	302	-34.1
Krain township.....	912	967	-5.7	Swan Lake township.....	197	264	-25.4
Lake George township <sup>64</sup> .....	526	568	-7.4	Synnes township.....	174	266	-31.6
Lake Henry township.....	564	529	6.6	Swift County.....	13,177	14,936	-11.8
Lake Henry village.....	92	91	1.1	Appleton township.....	268	313	-14.1
Le Sauk township <sup>64</sup> .....	2,844	1,771	60.6	Appleton village.....	1,789	2,172	-17.6
Sartell village (part) <sup>64</sup> .....	1,059	575	84.2	Benson city <sup>67</sup> .....	3,181	3,678	-5.3
Luxemburg township.....	971	900	7.9	Benson township.....	332	306	8.5
Lynden township.....	511	405	26.2	Camp Lake township.....	313	417	-17.7
Maine Prairie township.....	1,294	1,147	12.8	Cishel township.....	336	401	-16.2
Melrose city <sup>64</sup> .....	2,273	2,135	6.5	Clontarf township.....	128	184	-30.4
Melrose township <sup>64</sup> .....	866	772	12.2	Clontarf village.....	147	139	5.8
Millwood township.....	965	806	19.7	Danvers village.....	136	132	3.0
St. Rosa village.....	93	62	50.0	De Graff village.....	195	196	-0.5
Munson township.....	917	735	24.8	Dublin township.....	286	325	-12.6
New Munich village.....	307	296	3.7	Edison township <sup>67</sup> .....	275	321	-14.3
North Fork township.....	296	368	-19.6	Fairfield township.....	251	373	-24.7
Our township.....	676	662	2.1	Hayes township.....	291	403	-27.8
Paynesville township.....	922	723	27.5	Hegbert township.....	238	325	-26.8
Paynesville village.....	1,920	1,754	9.5	Holloway village <sup>67</sup> .....	116	242	-39.7
Pleasant Lake village.....	65	58	12.1	Kerkhoven township.....	357	410	-12.9
Raymond township.....	337	420	-19.8	Kerkhoven village.....	641	645	-0.6
Kicknade village.....	866	751	15.3	Kildare township.....	282	321	-12.1
Rockville township.....	1,240	1,042	19.0	Maryland township.....	286	316	-11.0
Rockville village <sup>61</sup> .....	302	357	-15.4	Moyer township <sup>67</sup> .....	230	540	-57.1
Roscoe village.....	195	168	16.1	Murdock village.....	358	381	-6.0
St. Anthony village.....	66	72	-8.3	Pillsbury township.....	337	379	-11.1
St. Augusta township.....	1,581	1,056	50.0	Shible township.....	249	301	-17.3
St. Cloud city (part) <sup>64</sup> .....	31,593	27,440	15.1	Six Mile Grove township <sup>67</sup> .....	252	299	-15.7
St. Cloud township <sup>64</sup> .....	6,807	4,317	56.6	Swenoda township.....	300	366	-18.0
St. Joseph township <sup>64</sup> .....	1,922	999	92.4	Tara township.....	229	292	-21.6
St. Joseph village <sup>64</sup> .....	1,786	1,487	20.1	Torning township <sup>67</sup> .....	652	615	6.0
				West Bank township.....	329	356	-7.6

See footnotes at end of table.

Table 10. Population of County Subdivisions: 1970 and 1960—Continued

[Total population of a place in two or more county subdivisions appears in table 6. County subdivision figures for 1960 do not necessarily add to county totals. For meaning of symbols, see text.]

County Subdivisions	1970	1960	Percent change	County Subdivisions	1970	1960	Percent change
Todd County.....	22,114	23,119	-4.3	Wabasha County--Con.			
Bartlett township.....	442	471	-6.2	Pepin township.....	417	378	10.3
Bertha township.....	451	552	-18.3	Plainview township.....	639	641	-0.3
Bertha village.....	512	562	-8.9	Plainview village.....	2,093	1,833	-14.2
Birchdale township.....	577	475	21.5	Wabasha city.....	2,371	2,500	-5.2
Browerville city.....	665	714	-10.6	Watope township.....	280	350	-20.0
Bruce township.....	393	439	-10.5	West Albany township.....	379	489	-22.5
Burleene township.....	407	461	-11.7	Zumbro Falls village.....	203	164	23.8
Burnhamville township.....	519	490	5.9	Zumbro township.....	381	457	-16.0
Burtum village.....	135	160	-15.6	Wadona County.....	12,412	12,199	1.7
Clarissa village.....	599	569	5.3	Aldrich township <sup>69</sup> .....	415	433	-2.8
Eagle Bend village.....	557	611	-8.8	Aldrich village.....	85	90	-5.6
Eagle Valley township.....	636	678	-6.2	Blueberry township.....	338	349	-3.2
Fawn Lake township.....	307	292	5.1	Bullard township.....	129	132	-2.3
Germania township.....	450	604	-25.5	Huntersville township.....	70	116	-39.7
Gordon township.....	522	501	4.2	Leaf River township.....	748	686	9.0
Grey Eagle township.....	522	491	6.3	Lyons township.....	162	210	-22.9
Grey Eagle village.....	325	372	-12.6	Meadow township.....	240	265	-9.4
Hartford township.....	632	701	-10.2	Menahga village.....	835	799	4.5
Hewitt village.....	198	267	-25.8	Nimrod village.....	64	60	6.7
Iona township.....	555	626	-11.3	North Germany township.....	373	451	-17.3
Kandota township.....	379	325	16.6	Orton township.....	187	216	-13.4
Leslie township.....	474	522	-9.2	Red Eye township.....	332	430	-22.8
Little Elk township.....	245	285	-14.0	Rockwood township.....	465	432	7.6
Little Sauk township.....	510	616	-17.2	Sebeke village.....	668	823	-18.6
Long Prairie township <sup>68</sup> .....	937	752	24.6	Shell River township.....	153	182	-15.9
Long Prairie village <sup>68</sup> .....	2,416	2,414	0.1	Thomastown township.....	748	565	32.4
Maran township.....	485	544	-10.8	Verndale village <sup>69</sup> .....	570	606	-5.9
Osakis village (part).....	69	82	-15.9	Wadena township.....	794	605	31.2
Reynolds township.....	546	564	-3.2	Wadena village.....	4,640	4,381	5.9
Round Prairie township.....	570	579	-1.6	Wing River township.....	366	368	-0.5
Staples city.....	2,657	2,706	-1.8	Waseca County.....	16,663	16,041	3.9
Staples township.....	900	958	-6.1	Alton township.....	542	636	-14.8
Stowe Prairie township.....	497	529	-6.0	Blooming Grove township.....	440	592	-25.7
Turtle Creek township.....	196	214	-8.4	Byron township.....	437	551	-20.7
Villard township.....	402	348	15.5	Freedom township.....	622	606	2.6
Ward township.....	490	542	-9.6	Iosco township.....	542	567	-4.4
Union township.....	389	429	-9.3	Janesville township.....	610	588	3.7
Union village.....	71	83	-14.5	Janesville village.....	1,557	1,426	9.2
Cham township.....	477	558	-14.5	New Richland township <sup>70</sup> .....	511	624	-13.3
Traverse County.....	6,254	7,503	-16.6	New Richland village <sup>70</sup> .....	1,113	1,046	6.1
Arthur township.....	179	223	-19.7	Otisco township.....	655	688	-3.3
Browns Valley village.....	906	1,033	-12.3	St. Mary township <sup>70</sup> .....	565	493	14.6
Clinton township.....	176	204	-13.7	Vivian township.....	452	544	-16.9
Croke township.....	190	261	-27.2	Waldorf village.....	285	270	5.6
Dollywood township.....	158	219	-27.9	Waseca city <sup>70</sup> .....	6,789	5,898	15.1
Emont village.....	204	226	-9.7	Wilton township.....	507	579	-12.1
Folsom township.....	196	202	-3.0	Woodville township <sup>70</sup> .....	996	933	6.8
Lake Valley township.....	380	480	-20.8	Washington County.....	82,918	52,432	58.2
Leonardsville township.....	244	279	-12.5	Aiton township.....	1,745	1,023	70.6
Kouson township.....	232	420	-41.8	Afton village.....	248	158	57.0
Parnell township.....	199	266	-25.2	Bayport village.....	2,987	3,205	-6.8
Redpath township.....	139	160	-13.1	Baytown township.....	723	471	53.5
Tara township.....	209	309	-32.4	Birchwood village.....	926	598	54.8
Taylor township.....	268	313	-14.4	Cottage Grove village <sup>71</sup> .....	13,419	...	...
Tintah township.....	125	190	-34.2	Dellwood village.....	514	310	65.8
Tintah village.....	167	228	-26.8	DeMark township <sup>71</sup> .....	923	736	25.4
Walls township.....	173	257	-32.7	Forest Lake township <sup>71</sup> .....	2,990	1,620	84.6
Weardon village.....	2,029	2,102	-3.5	Forest Lake village <sup>71</sup> .....	3,307	2,317	36.6
Windsor township.....	80	131	-38.9	Grant township.....	1,797	1,034	73.8
Wahasha County.....	17,221	17,007	1.3	Grey Cloud Island township <sup>71</sup> .....	389	298	30.5
Jeffelchester village (part).....	69	53	30.2	Hastings city (part) <sup>71</sup> .....	16	...	...
Chester township.....	560	465	20.4	Haze village <sup>71</sup> .....	751	535	33.6
Clayton village.....	187	528	-7.8	Lake Elmo village <sup>71</sup> .....	4,032	559	633.1
Clayton village.....	530	521	11.3	Lakeland Shores village.....	72	52	38.5
Gillford township.....	539	610	-11.6	Lakeland village.....	922	595	60.9
Classow township.....	311	298	5.1	Lake St. Croix Beach village.....	1,111	713	55.2
Greenfield township.....	571	476	20.0	Landfall village.....	671	437	53.3
Heatherville.....	175	195	-12.7	Lincoln township <sup>71</sup> .....	1,309	1,266	3.4
Home of Grace.....	475	490	-3.1	Mahtomedi village <sup>71</sup> .....	2,640	2,127	24.1
Ridge Park township.....	268	271	-1.1	Marine-on-St. Croix village.....	513	454	13.0
Kellogg village.....	403	446	-9.6	Nay township.....	1,298	755	71.9
Lake City city.....	3,594	3,494	2.9	Newport village <sup>71</sup> .....	2,922	2,319	24.4
Lev township.....	389	292	33.2	New Scandia township.....	1,513	950	59.3
Appa township.....	313	320	7.2	Oakdale village <sup>71</sup> .....	7,304	...	...
Appa village.....	495	414	12.2	Oak Park Heights village <sup>71</sup> .....	1,238	332	272.9
Willville village.....	139	171	-18.7	Oneka township <sup>71</sup> .....	1,918	898	113.6
Minneiska township.....	119	128	-7.0	Pine Springs village.....	23	142	-83.8
Minneiska village (part).....	76	110	-30.9	St. Marys Point village.....	319	271	17.7
Mount Pleasant township.....	458	185	-5.6				
Oakwood township.....	400	390	2.6				

See footnotes at end of table.

Table 10. Population of County Subdivisions: 1970 and 1960—Continued

[Total population of a place in two or more county subdivisions appears in table 6. County subdivision figures for 1960 do not necessarily add to county totals. For meaning of symbols, see text.]

County Subdivisions	1970	1960	Percent change	County Subdivisions	1970	1960	Percent change				
Washington County--Con.											
St. Paul Park village <sup>71</sup> .....	5,587	3,267	71.0	Rollingstone township.....	1,160	687	68.9				
Stillwater city <sup>71</sup> .....	10,191	8,310	22.6	Rollingstone village.....	450	392	14.8				
Stillwater township <sup>71</sup> .....	1,014	822	23.4	St. Charles city.....	1,942	1,882	3.2				
West Lakeland township.....	772	433	78.3	St. Charles township.....	495	481	2.9				
White Bear Lake city (part) <sup>71</sup> .....	23	...	...	Saratoga township.....	484	494	-2.0				
Willernie village.....	697	664	5.0	Stockton village.....	346	242	43.0				
Woodbury village <sup>71</sup> .....	6,184	...	...	Utica township <sup>74</sup> .....	636	671	-5.2				
Watonwan County.....											
Adrian township.....	355	491	-27.7	Utica village.....	240	218	10.1				
Antrim township.....	447	554	-19.3	Warren township.....	599	624	-4.0				
Butterfield township.....	375	513	-26.9	Whitewater township.....	237	254	-6.7				
Butterfield village.....	619	601	3.0	Wilson township.....	966	725	33.2				
Darfur village.....	179	191	-6.3	Winona city <sup>71</sup> .....	26,438	24,895	6.2				
Fieldon township.....	402	511	-21.3	Winona township <sup>74</sup> .....	657	474	38.6				
La Salle village.....	132	147	-10.2	Wiscoy township.....	330	360	-8.3				
Lewisville village.....	291	375	-22.4	Wright County.....							
Long Lake township.....	382	485	-21.2	Albertville village.....	38,933	29,935	30.1				
Madelia township.....	449	464	-3.2	Albion township.....	451	279	61.6				
Madelia village.....	2,316	2,190	5.8	Annandale village <sup>75</sup> .....	969	937	3.4				
Nelson township.....	432	521	-17.1	Buffalo township <sup>76</sup> .....	1,234	984	25.4				
Odin township.....	325	423	-23.2	Buffalo village <sup>75</sup> .....	1,236	1,056	17.0				
Odin village.....	166	184	-9.8	Chatham township.....	3,275	2,322	41.0				
Ormsby village (part).....	137	153	-10.5	Clearwater township.....	890	459	93.9				
Riverdale township.....	508	522	-2.7	Clearwater village.....	667	687	26.2				
Rosendale township <sup>72</sup> .....	657	713	-7.9	Cokato township <sup>75</sup> .....	282	274	2.9				
St. James city <sup>72</sup> .....	4,027	4,174	-3.5	Cokato village <sup>75</sup> .....	754	875	-13.8				
St. James township <sup>72</sup> .....	583	662	-11.9	Corinna township <sup>73</sup> .....	1,735	1,356	27.9				
South Branch township.....	516	586	-11.9	Dayton village (part).....	1,109	804	37.9				
Wilkin County.....											
Akron township.....	9,389	10,650	-11.8	Delano village.....	48	58	-17.2				
Andrea township.....	178	234	-23.9	Frankfort township.....	1,851	1,612	14.8				
Atherton township.....	99	133	-25.6	St. Michael village.....	2,393	1,651	44.9				
Bradford township.....	219	231	-5.2	Franklin township.....	1,021	707	44.4				
Brandrup township.....	183	242	-24.4	French Lake township.....	1,808	1,275	41.8				
Doran village.....	430	552	-22.1	824	789	4.4					
Breckenridge city <sup>73</sup> .....	101	136	-25.7	Hanover village (part).....	269	178	51.1				
Breckenridge township <sup>73</sup> .....	4,200	4,335	-3.1	Howard Lake village.....	1,162	1,007	15.1				
Campbell township.....	206	252	-18.3	Maple Lake township <sup>75</sup> .....	1,226	727	68.6				
Tonney village.....	202	345	-41.4	Maple Lake village <sup>75</sup> .....	1,121	1,018	10.4				
Campbell village.....	24	35	-31.4	Marysville township.....	1,508	949	58.9				
Champion township.....	339	365	-7.1	Middleville township.....	1,016	812	25.1				
Nashua village.....	254	342	-25.7	Monticello township.....	2,240	1,088	105.9				
Connelly township.....	114	146	-21.9	Monticello village.....	1,636	1,477	10.8				
Deerhorn township.....	150	149	0.7	Montrose village.....	379	360	5.3				
Foxhome township.....	161	201	-19.9	Otsego township.....	1,526	1,080	41.3				
Foxhome village.....	352	421	-16.4	Rockford township.....	1,626	922	76.1				
Kent village.....	185	181	2.2	Rockford village (part).....	568	490	15.9				
McCauleyville township.....	139	134	3.7	Silver Creek township.....	1,102	896	23.0				
Manston township.....	110	96	14.6	South Haven village.....	238	328	-27.4				
Meadows township.....	176	187	-5.9	Southside township.....	918	488	68.1				
Mitchell township.....	96	127	-24.4	Stockholm township.....	690	774	-10.9				
Nilsen township.....	171	218	-21.6	Victor township.....	839	795	5.5				
Nordick township.....	130	159	-18.2	Waverly village.....	516	574	-4.9				
Prairie View township.....	216	272	-20.6	Woodland township.....	876	823	5.8				
Roberts township.....	253	294	-13.9	Yellow Medicine County.....							
Rothsay village (part).....	128	165	-22.4	Benton township.....	14,418	15,523	-7.1				
Sunnyside township.....	301	323	-6.8	Canby city <sup>76</sup> .....	400	414	-3.4				
Tanberg township.....	208	290	-28.3	Clarkfield village <sup>76</sup> .....	2,081	2,146	-3.0				
Wolverton township.....	123	157	-21.7	Echo township.....	1,084	1,100	-1.5				
Wolverton village.....	365	426	-14.3	Echo village.....	321	374	-14.2				
Wolverton village.....	171	204	-16.2	Florida township.....	356	459	-22.4				
Winona County.....											
Altura village.....	44,409	40,937	8.5	Fortier township.....	259	373	-30.6				
Dakota village.....	334	320	4.4	Friendship township <sup>76</sup> .....	243	315	-21.5				
Dresbach township.....	369	339	8.8	Granite Falls city (part).....	281	1,466	-80.8				
Elba township.....	343	423	-18.3	Hammer township.....	2,582	2,165	19.3				
Elba village.....	237	291	-18.6	Hanley Falls village.....	392	394	-0.5				
Fremont township.....	158	152	3.9	Hazel Run township <sup>76</sup> .....	265	334	-20.7				
Goodview village.....	469	485	-3.3	Hazel Run village <sup>76</sup> .....	309	455	-32.5				
Hart township.....	1,829	1,348	35.7	Lisbon township.....	115	115	-				
Hillsdale township.....	403	472	-14.6	Minnesota Falls township.....	325	396	-17.4				
Homer township.....	333	307	8.5	Normania township.....	452	467	-3.4				
Lewiston village <sup>74</sup> .....	1,022	820	24.6	Ontra township.....	263	352	-23.3				
Minneiska village (part).....	1,000	890	12.4	Osakis township.....	455	390	16.7				
Minnesota City village.....	4	...	...	Oskosh township.....	393	408	-3.2				
Mount Vernon township.....	301	190	58.4	Porter village.....	317	433	-21.5				
New Hartford township.....	436	427	2.1	St. Leo village.....	247	261	-2.1				
Norton township.....	718	749	-4.1	Sandness township.....	385	430	-9.8				
Pleasant Hill township.....	510	510	-	Sioux Agency township.....	48	129	-62.8				
Richmond township.....	523	528	-0.9	Story Rica township.....	426	481	-11.4				
	410	287	53.3	Swede Prairie township.....	465	474	-1.9				
				Tyro township.....	283	343	-17.5				
				Wergeland township.....	359	359	-7.7				
				Wood Lake township.....	352	434	-18.9				
				Wood Lake village.....	418	506	-17.1				

Table 10. Population of County Subdivisions: 1970 and 1960

NOTE: The county subdivisions in this State are minor civil divisions ('MCD's); see text.

<sup>1</sup>TKIN.--Part of Hill Lake township annexed by Hill City village.

<sup>2</sup>OKA.--Parts of Grov and Ramsey townships annexed by Anoka city. Blaine and Coon Rapids villages changed to cities since 1960. St. Francis township and part of Oak Grove township incorporated as St. Francis village.

<sup>3</sup>BECKER.--Parts of Detroit and Lake View townships annexed by Detroit Lakes city. Grand Park township consolidated with and designated as Height of Land township; information received too late to exclude it from 1960 tabulations. Part of Lake Park township annexed by Lake Park village. Parts of Spruce Grove and Wolf Lake townships annexed by Wolf Lake village.

<sup>4</sup>BENTON.--Parts of Minden and Sauk Rapids townships annexed by St. Cloud city. Parts of Sauk Rapids township annexed by Sartell and Sauk Rapids villages.

<sup>5</sup>BIG STONE.--Part of Almond township annexed by Clinton village. Part of Graceville township annexed by Graceville village. Part of Odessa township annexed by Odessa village. Part of Ortonville township annexed by Ortonville city.

<sup>6</sup>BLUE EARTH.--Part of Shelby township annexed by Amboy village. Part of Mankato township annexed by Eagle Lake village. Part of Garden City township annexed by Lake Crystal city. Parts of Lime, Mankato, and South Bend townships annexed by Mankato city. Part of Medo township annexed by Pemberton village.

<sup>7</sup>BROWN.--Part of Bashaw township annexed by Comfrey village. Parts of Cottonwood and Milford townships annexed by New Ulm city. Part of Lake Hanska township annexed by Hanska village.

<sup>8</sup>CARLTON.--Part of Knife Falls township annexed by Cloquet city. Part of Moose Lake township annexed by Moose Lake village.

<sup>9</sup>CARVER.--Benton village disincorporated since 1960. Part of Benton township annexed by Cologne village. Parts of Hollywood, Camden, Waconia, and Watertown townships annexed by Mayer village. Chanhassen township annexed by Chaska city and Victoria village. Part of Chaska township annexed by Chaska city. Parts of Young America township annexed by Hamburg and Young America villages. Part of Waconia township annexed by Waconia city. Part of Watertown township annexed by Watertown village.

<sup>10</sup>CASS.--Part of Barclay township annexed by Pine River village. Part of Birch Lake township annexed by Hackensack village. Part of May township annexed by Motley village. Part of Slater township annexed by Remer village. Part of Shingobee township annexed by Walker village.

<sup>11</sup>CHIPPEWA.--Part of Sparta township annexed by Montevideo city.

<sup>12</sup>CHISAGO.--Branch township incorporated as Branch village. Part of Chisago Lake township annexed by Lindstrom village. Part of Wyoming township annexed by Wyoming village.

<sup>13</sup>CLAY.--Part of Moorhead township annexed by Dilworth village. Parts of Moorhead and Moorhead townships annexed by Moorhead city.

<sup>14</sup>CLEARWATER.--Part of Leon township annexed by Clearbrook village. Part of Pine Lake township annexed by Gonwick village.

<sup>15</sup>COTTONWOOD.--Part of Great Bend township annexed by Windom city. Rose Hill township changed to Rosehill since 1960.

<sup>16</sup>CROW WING.--Parts of Oaklawn township and Unorganized Territory of West Crow Wing annexed by Brainerd city. Cross Lake village changed to Crosslake since 1960. Part of Deerwood village detached and area reverted to Deerwood township. Jenkins village made independent of Jenkins township since 1960. Watertown township and part of Timothy township incorporated as North Cross Lake village. Name of Pelican Lakes village changed to Breezy Point since 1960. Pequot Lakes village returned in Sibley township in 1960.

<sup>17</sup>DAKOTA.--Lebanon township incorporated as Apple Valley village. Burnsville township and part of Lebanon township incorporated as Burnsville village. Part of Empire township annexed by Farmington village. Inver Grove township and Inver Grove village incorporated as Inver Grove Heights village. Part of Inver Grove Heights village detached and area annexed by South St. Paul city. Lakeville township annexed by Lakeville village. Part of Mendota Heights village detached and area annexed by Lileida village. Part of Mendota village detached and area annexed by Mendota Heights village.

<sup>18</sup>DOUGLAS.--Parts of Alexandria and La Grand townships annexed by Alexandria city.

<sup>19</sup>PARIBAULT.--Parts of Blue Earth City township annexed by Blue Earth city. Part of Clark township annexed by Wells village.

<sup>20</sup>PILLMORE.--Part of Harmony township annexed by Harmony village. Part of Spring Valley township annexed by Spring Valley village.

<sup>21</sup>FREIBORN.--Parts of Albert Lea and Bancroft townships annexed by Albert Lea city. Parts of Bancroft and Bath townships annexed by Clarks Grove village. Part of Geneva township annexed by Geneva village. Part of Manchester township annexed by Manchester village.

<sup>22</sup>GOODHUE.--Part of Cannon Falls township annexed by Cannon Falls city. Part of Goodhue township annexed by Goodhue village.

<sup>23</sup>HENNEPIN.--Bloomington and Brooklyn Center villages changed to cities since 1960. Parts of Little Grove and Brooklyn Park villages detached and re annexed by Crystal village. Part of Eden Prairie township annexed by Chanhassen village. Crystal village changed to city since 1960. Part of New Hope village detached and area annexed by Crystal city. Part of Minnetonka village detached and area annexed by Deephaven village. Morning-side village disincorporated and area annexed by Edina village. Minnetrista township incorporated as Minnetrista village. Parts of Orono and Minnetrista villages detached and area annexed by Mound village. Eden Prairie township incorporated as Eden Prairie village.

<sup>24</sup>HOLSTON.--Brownsville village made independent of Brownsville township since 1960. Hokah village made independent of Hokah township since 1960.

<sup>25</sup>ISANTI.--Parts of Isanti and Cambridge townships annexed by Cambridge village. Part of Isanti township annexed by Isanti village.

<sup>26</sup>ITASCA.--Parts of Grand Rapids township annexed by Grand Rapids and La Prairie villages.

<sup>27</sup>JACKSON.--Part of Wisconsin township annexed by Alpha village. Parts of Heron Lake and Hunter townships annexed by Lakewood village. Part of West Heron Lake township annexed by Okabena village.

<sup>28</sup>KANDIYOHI.--Part of New London township annexed by New London village. Part of Willmar township annexed by Willmar city.

<sup>29</sup>KITTSON.--Part of Arveson township annexed by Karlstad village. Part of Tegener township annexed by Kennedy village.

<sup>30</sup>KOOCHICHING.--Part of Unorganized Territory of Northeast Koochiching annexed by International Falls city.

<sup>31</sup>LAC QUI PARLE.--Part of Riverside township annexed by Dawson city. Part of Madison township annexed by Madison city. Part of Walter township annexed by Nassau village.

<sup>32</sup>LAKE.--Part of Silver Creek township annexed by Two Harbors city.

<sup>33</sup>LE SUEUR.--Part of Kilkenny township annexed by Kilkenny village. Part of Lanesburgh township annexed by New Prague city. Part of Lexington township annexed by Le Center village. Part of Tyrone township annexed by Le Sueur city, and part of Le Sueur city detached and area reverted to Ottawa township. Part of Montgomery township annexed by Montgomery city.

<sup>34</sup>LINCOLN.--Part of Ash Lake township annexed by Ivanhoe village. Part of Hope township annexed by Tyler village.

<sup>35</sup>LYON.--Parts of Fairview and Lake Marshall townships annexed by Marshall city. Part of Monroe township annexed by Tracy city.

<sup>36</sup>MCLEOD.--Parts of Acoma, Hassan Valley, Hutchinson, and Lynn townships annexed by Hutchinson city. Part of Bergen township annexed by Lester Prairie village. Part of Sunter township annexed by Brownston village. Part of Glencoe township annexed by Glencoe city. Part of Hale township annexed by Silver Lake village. Part of Plato village detached and area reverted to Helen township. Part of Winsted township annexed by Winsted village.

<sup>37</sup>MARSHALL.--Part of Oak Park township annexed by Oslo village. Part of Tamarac township annexed by Stephen village.

<sup>38</sup>MARTIN.--Parts of Fairmont and Rolling Green townships annexed by Fairmont city. Parts of Rutland, Rolling Green, and Fox Lake townships annexed by Welcome village. Part of Welcome village detached and area reverted to Fox Lake township.

<sup>39</sup>MEeker.--Part of Forest Prairie township annexed by Watkins village. Kingston village incorporated from part of Kingston township.

<sup>40</sup>MILLE LACS.--Part of Isle Harbor township annexed by Wahkon village. Part of Milaca township annexed by Milaca village.

<sup>41</sup>MORRISON.--Part of Upsala village detached and area reverted to Elmdale township. Parts of Little Falls and Pike Creek townships annexed by Little Falls city.

<sup>42</sup>MOWER.--Parts of Austin, Lansing, and Red Rock townships annexed by Austin city. Part of Dexter village detached and area reverted to Dexter township. Parts of Frankford and Grand Meadow townships annexed by Grand Meadow village. Parts of Grand Meadow village detached and area reverted to Grand Meadow township.

<sup>43</sup>MURRAY.--Part of Bondin township annexed by Fulda village.

<sup>44</sup>NICOLET.--Part of Belgrade township annexed by North Mankato city. Part of Nicollet township annexed by Nicollet village. Part of Traverse township annexed by St. Peter city.

<sup>45</sup>NOBLES.--Part of Westside township annexed by Adrian village. Parts of Lorain and Worthington townships annexed by Worthington city.

<sup>46</sup>NORMAN.--Part of Hendrum township annexed by Hendrum village. Part of Wild Rice township annexed by Twin Valley village.

<sup>47</sup>OLMSTED.--Part of Kalmar township annexed by Byron village. Parts of Cascade, Haverhill, Marion, and Rochester townships annexed by Rochester city. Part of Elmira township annexed by Chatfield city. Part of High Forest township annexed by Stewartville village. Oronoco village incorporated from part of Oronoco township.

<sup>48</sup>OTTER TAIL.--Part of Everts township annexed by Battle Lake village. Bluffton village returned in Bluffton township in 1960. Part of Buse and Fergus Falls townships annexed by Fergus Falls city. Part of Dalton village detached and area reverted to Tumuli township. Part of Trondhjem township annexed by Rothsay village.

<sup>49</sup>PENNINGTON.--Part of St. Hilaire village detached and area reverted to Black River township. Parts of Rocksbury and North townships annexed by Thief River Falls city.

<sup>50</sup>PINE.--Part of Finlayson village detached and area reverted to Finlayson township and part of Finlayson township annexed by Finlayson village. Part of Hinckley township annexed by Hinckley village. Part of Pine City township annexed by Pine City village. Part of Sandstone village detached and area reverted to Sandstone township. Unorganized territory transferred to New Dosey township.

<sup>51</sup>PIPESTONE.--Parts of Gray and Sweet townships annexed by Pipestone city.

<sup>52</sup>POLK.--Parts of Crookston and Lowell townships annexed by Crookston city. Parts of Grand Forks and Rhinelander townships annexed by East Grand Forks city. Part of Garfield township annexed by Fertile village. Part of Rosebud township annexed by Fosston village. Part of Winger township annexed by Winger village.

<sup>53</sup>POPE.--Part of Glenwood township annexed by Glenwood city.

<sup>54</sup>RAVSEY.--Part of Arden Hills village detached and area annexed by New Brighton village. Part of New Brighton village detached and area annexed by Arden Hills village. Blaine village changed to city since 1960. Parts of White Bear township annexed by White Bear Lake city and Maplewood and Vadnais Heights villages.

<sup>55</sup>REDWOOD.--Parts of Honner and Paxton townships annexed by Redwood Falls city.

Table 10. Population of County Subdivisions: 1970 and 1960--Continued

<sup>56</sup>RENNILLE.--Part of Birch Cooley township annexed by Franklin village. Parts of Bird Island and Troy townships annexed by Olivia village. Part of Hector township annexed by Hector village.

<sup>57</sup>RICE.--Parts of Bridgewater and Northfield townships annexed by Northfield city. Dennison village detached and area reverted to Northfield township. Parts of Cannon City, Walcott and Warsaw townships annexed by Faribault city.

<sup>58</sup>ROCK.--Steen village returned in Clinton township in 1960. Part of Martin township annexed by Hills village. Part of Luverne township annexed by Luverne city.

<sup>59</sup>ROSEAU.--Parts of Jadis and Spruce townships annexed by Roseau village. Lake township organized from part of Unorganized Territory of North Roseau since 1960.

<sup>60</sup>ST. LOUIS.--Parts of Canosia, Herman, and Rice Lake townships annexed by Duluth city. 1960 populations of Canosia and Herman townships revised since publication of 1960 reports. Part of Owens township annexed by Cook village. Part of Floodwood township annexed by Floodwood village. Part of Meadowlands township annexed by Meadowlands village.

<sup>61</sup>SCOTT.--Parts of Eagle Creek and Springlake townships annexed by Prior Lake village. Glendale township annexed by Savage village. Part of Helena township annexed by New Prague city. Part of New Prague city detached and area reverted to Helena township. Part of Jackson township annexed by Shakopee city.

<sup>62</sup>SHERBURNE.--Part of Big Lake township annexed by Big Lake village. Clear Lake village made independent of Clear Lake township since 1960. Part of Elk River township annexed by Elk River village. Part of Haven township annexed by St. Cloud city. Name of Lake Fremont village changed to Zimmerman since 1960.

<sup>63</sup>SIBLEY.--Part of Arlington township annexed by Arlington city. Part of Dryden township annexed by Gaylord city. Part of Severance township annexed by Gibbon village. Parts of Green Isle and Washington Lake townships annexed by Green Isle village.

<sup>64</sup>STEARNS.--Part of Albany township annexed by Albany village. Part of Avon township annexed by Avon village. Part of Wakefield township annexed by Cold Spring village. Part of Lake George township annexed by Elrosa village. Parts of Grove and Melrose townships annexed by Melrose city. Parts of Greenwald and Neire Grove villages detached. Parts of Le Sauk township annexed by Santell village and St. Cloud city. Part of Rockville township annexed by Rockville village. Parts of St. Cloud township annexed by St. Cloud city and Waite Park village. Part of St. Joseph township annexed by St. Joseph village. Part of St. Martin township annexed by St.

Martin village. Part of Sauk Centre township annexed by Sauk Centre city.

<sup>65</sup>STEELE.--Part of Medford township annexed by Medford village. Part of Owatonna township annexed by Owatonna city.

<sup>66</sup>STEVENS.--Part of Baker township annexed by Chokio village. Parts of Darnen and Morris townships annexed by Morris city. Part of Morris city detached and area reverted to Darnen township.

<sup>67</sup>SWIFT.--Parts of Six Mile Grove and Torning townships annexed by Benson city. Holloway village made independent of Edison and Moyer townships since 1960.

<sup>68</sup>TODD.--Part of Long Prairie township annexed by Long Prairie village.

<sup>69</sup>WADEA.--Part of Verndale village detached and area reverted to Aldrich township.

<sup>70</sup>WASECA.--Part of New Richland township annexed by New Richland village. Parts of St. Mary and Woodville townships annexed by Waseca city.

<sup>71</sup>WASHINGTON.--Cottage Grove township incorporated as Cottage Grove village. Part of Denmark township annexed by Hastings city. Part of Forest Lake township annexed by Forest Lake village. Part of Oneka township annexed by Hugo village. East Oakdale township annexed by Lake Elm village. Part of Grey Cloud Island township annexed by St. Paul Park village. Parts of Lincoln township annexed by Mantomed village and White Bear Lake city. Part of Woodbury township annexed by Newport village. Woodbury township incorporated as Woodbury village. Oakdale village incorporated from Northdale and Oakdale townships. Part of Oak Park township annexed by Oak Park Heights village. Parts of Oak Park and Stillwater townships annexed by Stillwater city. Remainder of Oak Park township transferred to Stillwater township.

<sup>72</sup>WATONWAY.--Parts of Rosendale and St. James townships annexed by St. James city.

<sup>73</sup>WILKIN.--Part of Breckenridge township annexed by Breckenridge city.

<sup>74</sup>WINONA.--Part of Utica township annexed by Lewiston village. Part of Winona township annexed by Winona city.

<sup>75</sup>WRIGHT.--Part of Corinna township annexed by Annandale village. Part of Buffalo township annexed by Buffalo village. Part of Cokato township annexed by Cokato village. Part of Maple Lake township annexed by Maple Lake village.

<sup>76</sup>YELLOW MEDICINE.--Camby city returned as Camby city in 1960. Part of Norman township annexed by Camby city. Clarkfield village made independent of Friendship township since 1960. Part of Friendship township annexed by Clarkfield village. Hazel Run village made independent of Hazel Run township since 1960.

JANUARY 1, 1980 POPULATION ESTIMATES  
FOR SELECTED MINNESOTA CITIES AND TOWNSHIPS

Prepared by the Office of State Demographer  
State Planning Agency  
Room 101, Capitol Square Building  
550 Cedar Avenue  
St. Paul, Minnesota 55101  
(612) 296-2726

Pursuant to MS 275.53 these estimates were prepared only for jurisdictions outside Region 11 and subject to the 6% levy limitation. Other estimates included in this list were prepared at the jurisdiction's request.

## A BRIEF DESCRIPTION OF THE METHOD USED FOR THESE ESTIMATES

The population estimates for local government aid have been prepared by the housing unit method. This method uses data available at the subcounty level. Instead of trying to count every person who lives in a city or township, the housing unit method counts housing units.

Because almost everyone lives in a housing unit of some type, the number of units indicates the number of people living in a city or township. An estimate of household population results from applying vacancy rates and average persons per household to the housing count. Adding in the population not living in households results in an estimate of the total population.

Vacancy rates and average household size are not the same for all types of housing units. Apartments usually have much higher vacancy rates than single family homes. Single family homes usually house more persons than duplex or fourplex units, which in turn have an average household size above that for units in larger apartment buildings. The number of persons in mobile homes falls between the average for single family homes and apartments. Therefore, to increase the accuracy of the estimates, these estimates have been prepared by totalling the number of persons estimated to live in each dwelling type.

In addition, the 1970 census shows that vacancy rates and persons per household factors are different for each city and township. The 1980 estimates use persons per household and vacancy factors calculated by the Office of State Demographer for each city or township.

The estimates of household size for 1980 are based on an extrapolation of 1970-77 changes in household size. The 1977 Minnesota Household Survey indicates that between 1970 and 1977, the average number of persons in single family households declined by about 15%; in multiple units and mobile homes smaller declines in average size occurred. These changes in household size may reflect the fact that couples in the 1970s are having fewer children than in the 1960s. In addition, the children born in the postwar "baby boom" years are now maturing and establishing their own households; this results in the well-known categories of "empty-nest" and "singles" households, each of which is smaller than the family-type household. Finally, average household size may decline because the average age of the state's population is rising, and there are more older persons, many of whom live alone.

For any given jurisdiction, the 1980 estimated household size by type of structure depends on its average household size in 1970, whether it is a small town or city, and the extent to which 1970-80 migration has resulted in shifts away from the average changes expected for a place of that size.

January 1, 1980 Population Estimates for Cities over 2500\*

Prepared by Office of State Demographer, State Planning Agency

<u>City (County)</u>	<u>1970 Census</u>	<u>1980 Estimate</u>	<u>1970-80 Change</u>	<u>1970-80 Percent Change</u>
Albert Lea (Freeborn)	19,418	21,077	1,659	8.5%
Alexandria (Douglas)	6,973	8,199	1,226	17.6%
Alexandria T (Douglas)	2,512	3,724	1,212	48.2%
Annandale (Wright)	1,234	1,603	369	29.9%
Aurora (St. Louis)	2,531	2,915	384	15.2%
Austin (Mower)	26,210	25,504	-706	-2.7%
Austin T (Mower)	2,777	2,568	-209	-7.5%
Babbitt (St. Louis)	3,076	2,977	-99	-3.2%
Bemidji (Beltrami)	11,490	12,271	781	6.8%
Benson (Swift)	3,484	3,786	302	8.7%
Blue Earth (Faribault)	3,965	4,046	81	2.0%
Brainerd (Crow Wing)	11,667	11,675	8	0.1%
Breckenridge (Wilkin)	4,200	4,112	-88	-2.1%
Brewster (Nobles)	563	586	23	4.1%
Buffalo (Wright)	3,275	4,721	1,446	44.1%
Caledonia (Houston)	2,619	3,031	412	15.7%
Cambridge (Isanti)	2,720	3,141	421	15.5%
Chisholm (St. Louis)	5,913	6,181	268	4.5%
Cloquet (Carlton)	8,699	12,267	3,568	41.0%
Crookston (Polk)	8,312	9,026	714	8.6%
Dayton (Wright)	2,679	3,873	1,194	44.6%
Detroit Lakes (Becker)	5,797	7,512	1,715	29.6%
Duluth (St. Louis)	100,578	94,543	-6,035	-6.0%
East Grand Forks (Polk)	7,607	9,395	1,788	23.5%
Elk River (Sherburne)	2,252	6,881	4,629	205.6%
Ely (St. Louis)	4,904	4,884	-20	-.4%
Eveleth (St. Louis)	4,721	5,366	645	13.7%
Fairmont (Martin)	10,751	12,203	1,452	13.5%
Faribault (Rice)	16,595	16,865	270	1.6%
Fergus Falls (Ottertail)	12,443	13,104	661	5.3%
Gilbert (St. Louis)	2,287	2,798	511	22.3%
Glencoe (McLeod)	4,217	4,554	337	8.0%
Glenwood (Pope)	2,584	2,558	-26	-1.0%
Goodview (Winona)	1,829	2,849	1,020	55.8%
Grand Rapids (Itasca)	7,247	9,461	2,214	30.5%

\*Excluding Region 11

Population Estimates (cont.)

<u>City (County)</u>	<u>1970 Census</u>	<u>1980 Estimate</u>	<u>1970-80 Change</u>	<u>1970-80 Percent Change</u>
Grand Rapids T (Itasca)	2,663	3,740	1,077	40.4%
Granite Falls (Yellow Med.)	3,225	3,429	204	6.3%
Hermantown (St. Louis)	6,737	7,288	551	8.2%
Hibbing (St. Louis)	16,104	22,867	6,763	42.0%
Hoyt Lakes (St. Louis)	3,634	3,510	-124	-3.4%
Hutchinson (McLeod)	8,031	9,458	1,427	17.8%
Int'l. Falls (Koochiching)	6,439	5,470	-969	-15.0%
Jackson (Jackson)	3,550	3,867	317	8.9%
La Crescent (Houston)	3,296	4,121	825	25.0%
Lake City (Wabasha)	3,887	4,964	1,077	27.7%
Le Center (Le Sueur)	1,890	1,979	89	4.7%
Le Sueur (Le Sueur)	3,745	4,270	525	14.0%
Litchfield (Meeker)	5,262	5,607	345	6.6%
Little Falls (Morris)	7,467	7,755	288	3.9%
Luverne (Rock)	4,703	4,874	171	3.6%
Mankato (Blue Earth)	30,895	31,368	473	1.5%
Marion T (Olmsted)	5,998	5,864	-134	-2.2%
Marshall (Lyon)	9,886	11,502	1,616	16.3%
Mazeppa (Wabasha)	498	679	181	36.3%
Montevideo (Chippewa)	5,661	5,813	152	2.7%
Moorhead (Clay)	29,687	32,226	2,539	8.5%
Mora (Kanabec)	2,582	3,210	628	25.7%
Morris (Stevens)	5,366	5,758	392	7.3%
Mtn. Iron (St. Louis)	1,698	4,631	2,933	172.7%
New Prague (Scott)	2,680	3,145	465	17.3%
New Ulm (Brown)	13,051	15,131	2,080	15.9%
Northfield (Rice)	10,235	12,783	2,548	24.9%
North Mankato (Nicollet)	7,347	9,177	1,830	24.9%
Olivia (Renville)	2,553	3,073	520	20.4%
Ortonville (Big Stone)	2,663	2,673	10	.4%
Owatonna (Steele)	15,341	18,687	3,346	21.8%
Park Rapids (Hubbard)	2,772	3,459	687	24.5%
Pipestone (Pipestone)	5,328	5,300	-28	-.5%
Princeton (Mille Lacs)	2,531	3,716	1,185	46.8%
Proctor (St. Louis)	3,123	3,380	257	8.2%
Red Wing (Goodhue)	10,441	14,379	3,938	37.7%
Redwood Falls (Redwood)	4,774	5,373	599	12.5%
Rice Lake T (St. Louis)	3,359	4,235	876	26.1%
Rochester (Olmsted)	53,766	59,296	5,530	10.3%
Rochester T (Olmsted)	4,344	4,676	332	7.7%

Population Estimates (cont.)

<u>City (County)</u>	<u>1970 Census</u>	<u>1980 Estimate</u>	<u>1970-80 Change</u>	<u>1970-80 Percent Change</u>
Roseau (Roseau)	2,552	2,564	12	.5%
St. Cloud (Stearns)	39,691	44,052	4,361	11.0%
St. Cloud T (Stearns)	5,807	5,584	-223	-3.8%
St. James (Watonwan)	4,027	4,189	162	4.0%
St. Joseph (Stearns)	1,786	3,275	1,489	83.4%
St. Peter (Nicollie)	8,339	8,888	549	6.6%
Sartell (Stearns)	1,323	3,603	2,280	172.3%
Sauk Centre (Stearns)	3,750	3,919	169	4.5%
Sauk Rapids (Benton)	5,051	6,130	1,079	21.4%
Silver Bay (Lake)	3,504	3,606	102	2.9%
Sleepy Eye (Brown)	3,461	3,684	223	6.4%
Springfield (Brown)	2,530	2,455	-75	-3.0%
Spring Valley (Fillmore)	2,572	2,508	-64	-2.5%
Staples (Todd)	2,755	3,381	626	22.7%
Stewartville (Olmsted)	2,802	4,640	1,838	65.6%
Thief River Falls (Pen.)	8,618	9,632	1,014	11.8%
Thomson T (Carlton)	3,322	4,490	1,168	35.2%
Tracy (Lyon)	2,516	2,724	208	8.3%
Two Harbors (Lake)	4,437	4,529	92	2.1%
Tyler (Lincoln)	1,069	1,268	199	18.6%
Virginia (St. Louis)	12,450	12,293	-157	-1.3%
Wadena (Wadena)	4,640	5,061	421	9.1%
Waite Park (Stearns)	2,824	3,430	606	21.5%
Waseca (Waseca)	6,789	8,802	2,013	29.6%
Wells (Faribault)	2,791	2,996	205	7.3%
Willmar (Kandiyohi)	12,869	16,350	3,481	27.0%
Windom (Cottonwood)	3,952	4,243	291	7.4%
Winona (Winona)	26,438	26,851	413	1.6%
Worthington (Nobles)	9,916	10,907	991	10.0%

**TABLE 1**  
**Revised Minnesota County Population Projections: 1970-2000**

<u>County</u>	<u>(Census)</u>		<u>Projections</u>				
	<u>1970</u>	<u>1975</u>	<u>1980</u>	<u>1985</u>	<u>1990</u>	<u>1995</u>	<u>2000</u>
Aitkin	11,400	12,400	13,600	14,100	14,600	15,100	15,400
Anoka	154,700	185,400	209,800	233,100	260,300	282,300	305,900
Becker	24,400	26,600	28,600	29,800	30,800	31,400	31,800
Beltrami	26,400	29,200	31,700	33,700	35,500	37,100	38,400
Benton	20,800	23,000	24,000	25,600	27,000	28,600	29,700
Big Stone	7,900	7,900	7,600	7,600	7,500	7,300	7,000
Blue Earth	52,300	51,600	52,400	53,300	54,200	54,900	55,500
Brown	28,900	29,700	29,300	30,000	30,600	30,800	30,700
Carlton	28,100	28,600	30,600	31,600	32,200	32,400	32,100
Carver	28,300	33,500	37,300	40,700	43,600	45,900	47,800
Cass	17,300	19,500	21,800	23,300	24,300	25,100	25,800
Chippewa	15,100	15,400	16,100	16,100	15,900	15,600	15,200
Chisago	17,500	21,900	25,300	29,700	34,400	39,800	44,900
Clay	46,600	46,600	49,300	51,100	52,400	53,400	54,000
Clearwater	8,000	8,700	9,300	9,600	9,700	9,700	9,500
Cook	3,400	3,700	4,400	4,700	4,800	4,800	4,900
Cottonwood	14,900	15,200	15,700	15,900	15,900	15,700	15,200
Crow Wing	34,800	38,700	41,300	43,800	46,200	48,500	50,600
Dakota	139,800	145,100	202,200	225,800	249,300	272,400	293,300
Dodge	13,000	13,400	13,400	13,500	13,600	13,600	13,400
Douglas	22,900	24,900	26,800	28,700	30,500	32,300	34,100
Faribault	20,900	20,200	19,600	19,100	18,700	18,100	17,300
Fillmore	21,900	21,900	21,700	21,500	21,200	20,800	20,400
Freeborn	38,100	36,700	37,400	37,800	37,900	37,600	36,800
Goodhue	34,800	37,600	39,900	42,300	44,500	46,600	48,600
Grant	7,500	7,400	7,500	7,300	7,200	7,000	6,600
Hennepin	960,100	921,000	899,400	891,200	886,000	882,500	880,000
Houston	17,600	17,900	18,400	18,800	19,200	19,500	19,900
Hubbard	10,600	12,200	13,600	14,700	15,800	16,800	17,500
Isanti	16,600	19,900	21,700	25,300	29,000	33,000	37,000

County	(Census)	(Estimate)	Projections				
	1970	1975	1980	1985	1990	1995	2000
Itasca	35,500	38,300	43,800	45,800	47,000	47,300	46,500
Jackson	14,400	14,600	14,200	14,100	14,000	13,700	13,200
Kanabec	9,800	11,300	11,800	12,900	14,000	15,300	16,500
Kandiyohi	30,500	32,500	34,900	36,200	37,400	38,400	39,100
Kittson	6,900	6,800	6,900	6,800	6,700	6,500	6,200
Koochiching	17,100	17,500	18,000	18,300	18,400	18,300	17,800
Lac Qui Parle	11,200	11,200	11,200	11,100	10,900	10,700	10,400
Lake	13,400	13,600	14,600	15,000	15,100	15,000	14,700
Lake of the Woods	4,000	4,300	4,200	4,300	4,300	4,300	4,200
Le Sueur	21,300	22,300	22,200	22,600	23,000	23,300	23,500
Lincoln	8,100	8,300	8,300	8,300	8,200	8,100	7,900
Lyon	24,300	24,700	25,600	26,200	26,700	27,200	27,600
McLeod	27,700	29,000	30,500	32,200	33,800	35,400	37,400
Mahnomen	5,600	5,800	5,800	5,900	5,800	5,600	5,400
Marshall	13,100	13,200	13,700	13,800	13,800	13,700	13,400
Martin	24,300	25,000	25,200	25,300	25,100	24,700	24,300
Meeker	18,400	18,700	20,700	21,300	21,700	22,100	22,300
Mille Lacs	15,700	17,900	19,400	20,800	22,000	22,900	23,500
Morrison	26,900	27,700	28,400	28,800	29,100	29,100	28,700
Mower	43,900	43,500	42,600	43,000	43,400	43,100	41,900
Murray	12,500	11,800	12,500	12,600	12,500	12,200	11,700
Nicollet	24,500	24,600	25,600	26,200	26,600	27,000	27,300
Nobles	23,200	23,100	23,400	23,800	23,900	23,700	23,100
Norman	10,000	9,400	10,200	10,300	10,200	10,000	9,600
Olmsted	84,100	88,400	95,800	103,900	112,200	119,500	125,500
Otter Tail	46,100	48,500	50,300	51,300	52,000	52,200	51,700
Pennington	13,300	14,500	15,600	16,500	17,300	18,000	18,600
Pine	16,800	18,500	19,700	20,500	21,200	21,800	22,200
Pipestone	12,800	12,000	11,700	11,800	11,700	11,500	11,100
Polk	34,400	35,100	37,300	37,700	37,600	37,300	36,500
Pope	11,100	11,000	11,500	11,600	11,600	11,500	11,400
Ramsey	476,300	460,300	450,100	446,500	444,500	443,000	442,000
Red Lake	5,400	5,300	5,200	5,200	5,200	5,200	5,100
Redwood	20,000	19,600	19,400	19,600	19,500	19,100	18,500
Renville	21,100	20,900	21,400	21,600	21,500	21,200	20,800