



**Census Data from 1970 to 2000  
and  
Economic Data from 1969 to 1999  
for the  
Minnesota Forest Resources Council's  
Landscape Regions**

**LT - 1102**

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**Document Produced by:** Chad Skally, MFRC, November 2002

**Census Data**

Source : U.S. Census Bureau, Census 2000. 2030 projections from the MN State Demographic Center.

Graphs and Tables Generated : on the Internet at <http://www.mnplan.state.mn.us/datanetweb/>, through Minnesota Planning, Land Management Information Center

**Economic Data**

Source: Bureau of Economic Analysis. 2001. Regional Economic Information System CD-ROM. Washington, DC: U.S. Department of Commerce.

Graphs and Tables Generated : on the Internet at: <http://www.eco2eco.net/>, Copyright 2001, The Wilderness Society and Applied GIS, Inc.

This document can be viewed on the Internet at [www.frc.state.mn.us](http://www.frc.state.mn.us) on the Documents page (document number LT-1102).

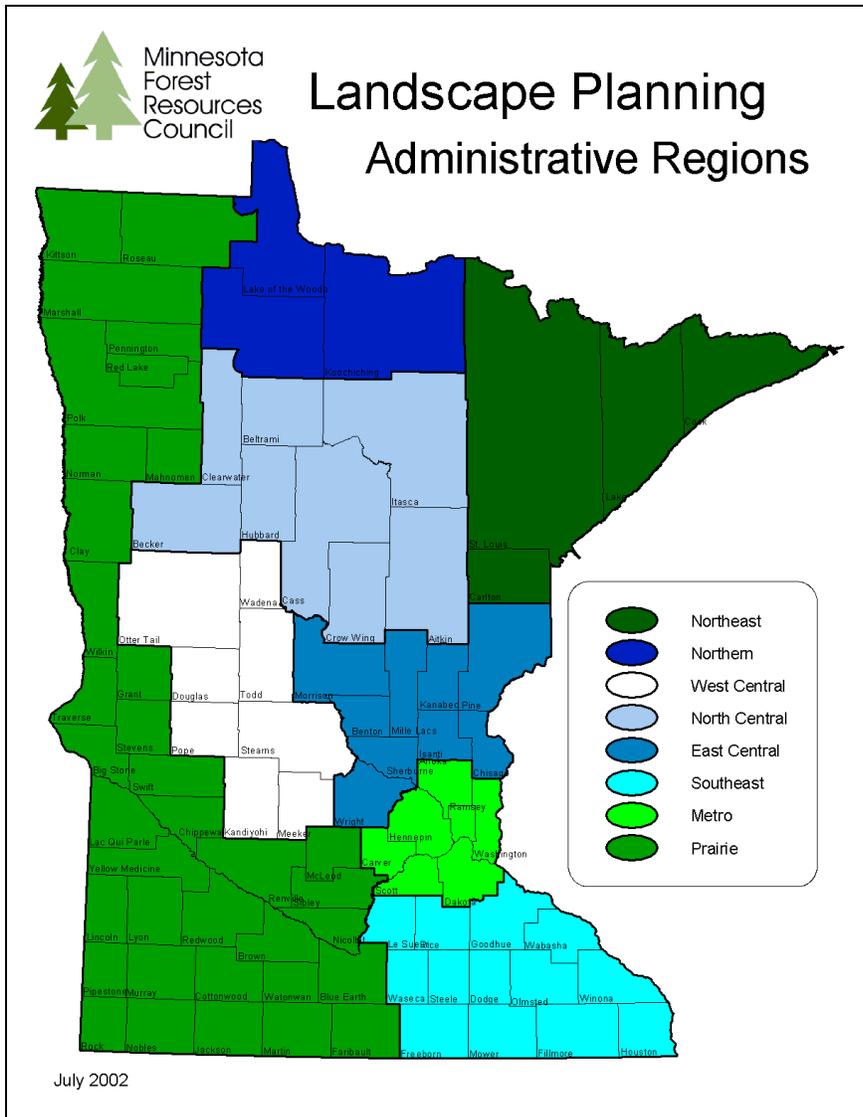
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# Introduction

This document was produced to provide updated assessment information on employment and census for the Minnesota Forest Resources Council’s (MFRC) landscape regions. The two reasons for updating the assessment information include regional boundary changes and access to new information. In 2001 the MFRC landscape committee adjusted the landscape regions based concerns over appropriate grouping of ecological areas (see map below). The main change was transferring the western portion (aspen parklands) of the Northern landscape into the Prairie landscape.



Map of MFRC Landscape Administrative Regions

This document contains entirely charts and tables. The census data is from the US Census Bureau (2000). 2030 population projections are from the MN State Demographic Center. The economic data in this report is from the Bureau of Economic Analysis (2001). All of the

economic charts need to be viewed in color to be legible. There is no interpretation of the data. Interpretation should come from the regional landscape committees.

Please be aware that there are many notes about the data that are listed at the end of the report. Also it is important to realize that a lot of the economic data is not complete due to disclosure laws. Anytime you see this symbol (●) it indicates that not all economic information has been reported due to a disclosure issue.

The census graphs and tables were produced on the Internet at <http://www.mnplan.state.mn.us/datanetweb/>, through Minnesota Planning, Land Management Information Center. The economic graphs and tables were produced on the Internet at <http://www.eco2eco.net/>, Copyright 2001, The Wilderness Society and Applied GIS, Inc.

## Northern Landscape

### Location

Beltrami, Koochiching, and Lake of the Woods Counties

### Population

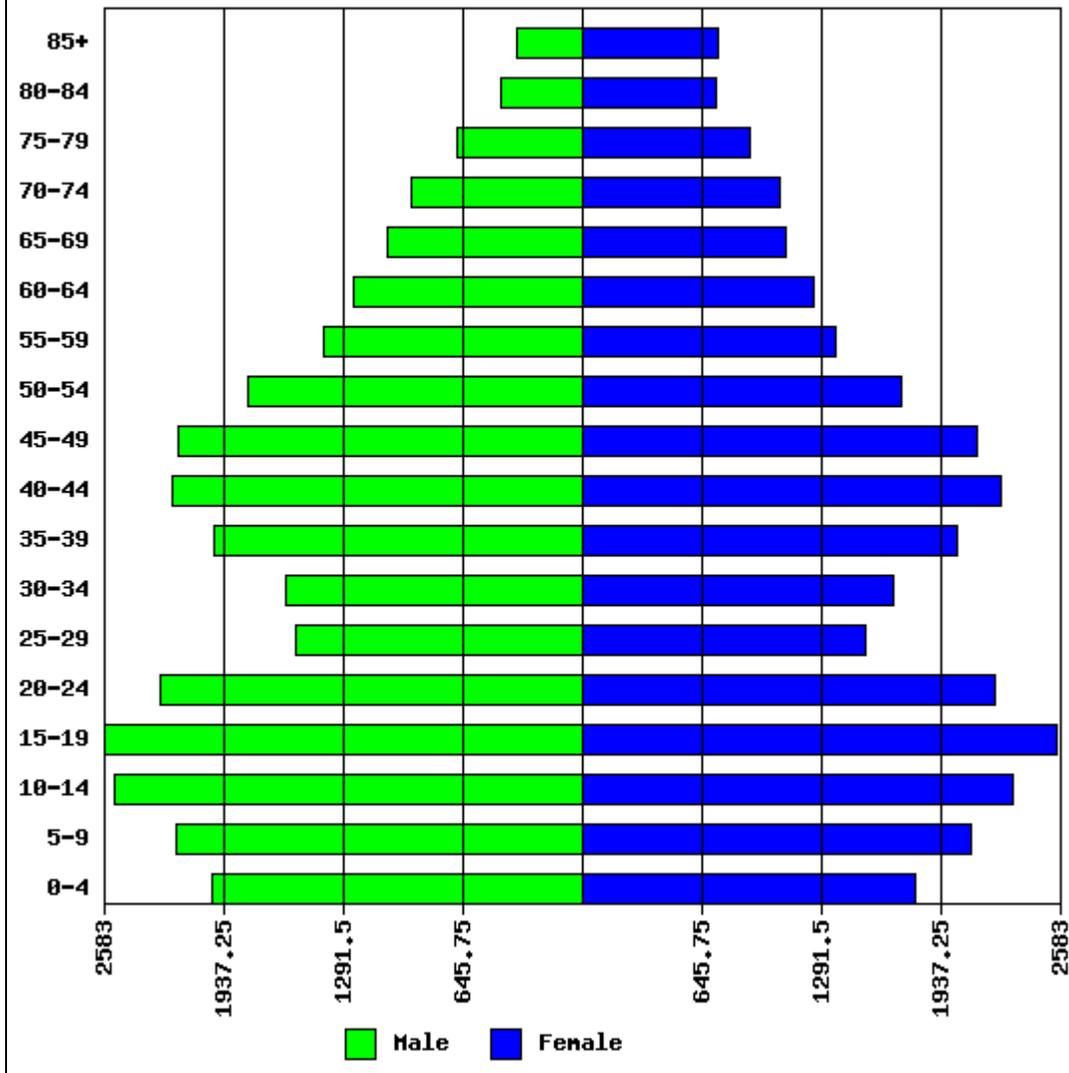
	1970	1980	1990	2000	'90-2000 Change	
					Actual	Percent
Population	47,491	52,317	54,759	58,527	3,768	6.88
Land Area(sq. mile)	6,945.00	6,945.00	6,904.30	6,904.33	0.03	0.00
Density (persons per sq. mile)	6.84	7.53	7.93	8.48	0.55	6.88
Housing Units	17,597	23,049	25,545	27,946	2,401	9.40
Households	--	17,543	19,471	22,280	2,809	14.43
Persons Per Household	--	2.98	2.81	2.63	-0.19	-6.59
Persons in Group Quarters	--	2,498	2,715	2,233	-482	-17.75

2000 Population by One Race	All Persons		Under 18		18 & Over	
	Number	Pct	Number	Pct	Number	Pct
White	48,588	83.0	11,402	71.6	37,186	87.3
Black or Africa American	182	0.3	84	0.5	98	0.2
American Indian and Alaska Native	8,431	14.4	3,825	24.0	4,606	10.8
Asian	261	0.4	61	0.4	200	0.5
Native Hawaiian and Other Pacific Islander	17	0.0	7	0.0	10	0.0
Other Race	98	0.2	47	0.3	51	0.1
Two or More Races	950	1.6	496	3.1	454	1.1
Total	58,527	100.0	15,922	100.0	42,605	100.0

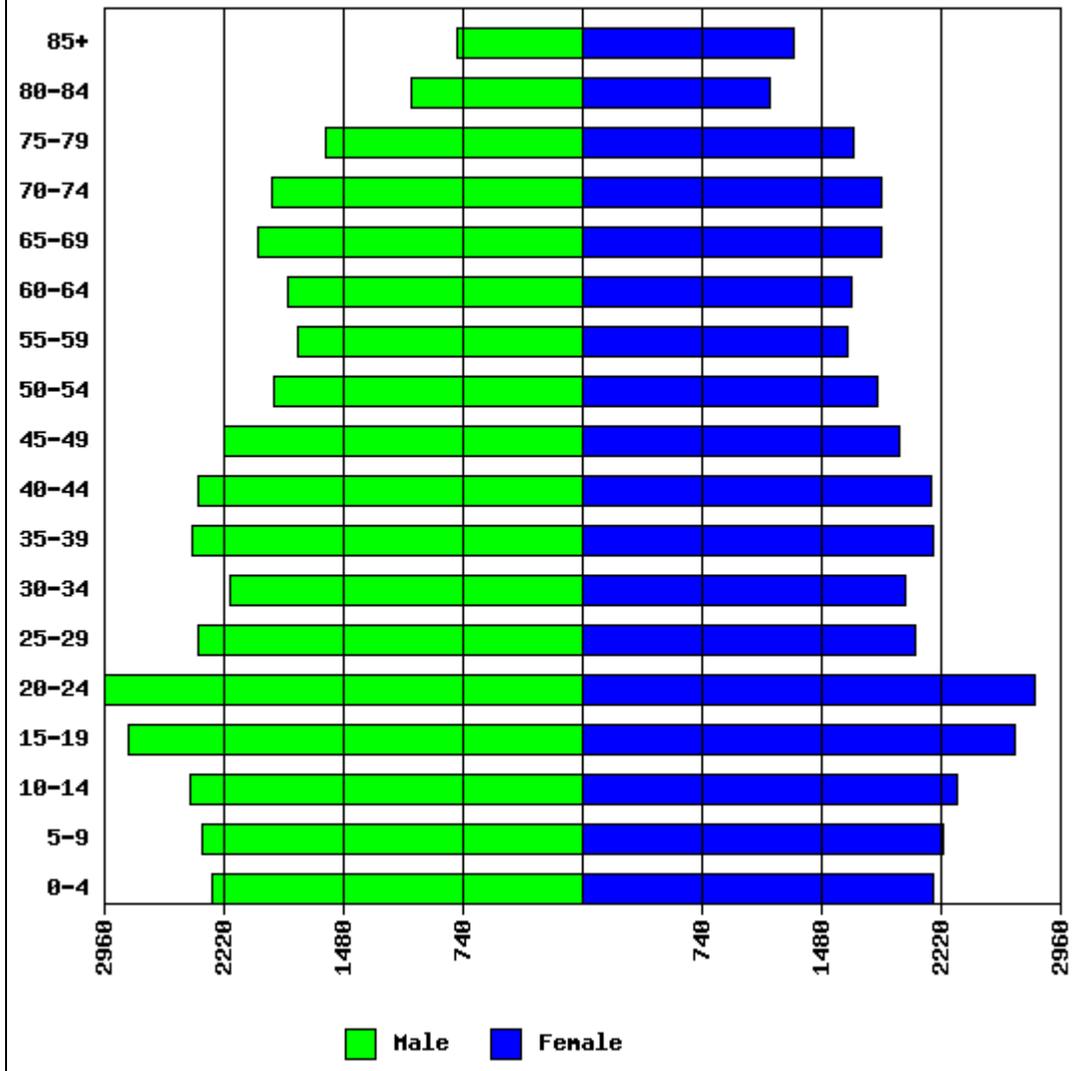
## Age Distribution

Age Group	2000	2030	2000 - 2030 % Change
0-4	3,792	4,470	17.9
5-9	4,302	4,590	6.7
10-14	4,856	4,740	-2.4
15-19	5,153	5,490	6.5
20-24	4,512	5,770	27.9
25-29	3,073	4,430	44.2
30-34	3,280	4,180	27.4
35-39	4,010	4,590	14.5
40-44	4,481	4,540	1.3
45-49	4,316	4,190	-2.9
50-54	3,527	3,730	5.8
55-59	2,765	3,410	23.3
60-64	2,481	3,490	40.7
65-69	2,147	3,860	79.8
70-74	1,993	3,780	89.7
75-79	1,586	3,270	106.2
80-84	1,167	2,210	89.4
85+	1,086	2,080	91.5
Total	58,527	72,820	24.4

2000 Population for all races:  
Special Study Area



### 2030 Population: Special Study Area

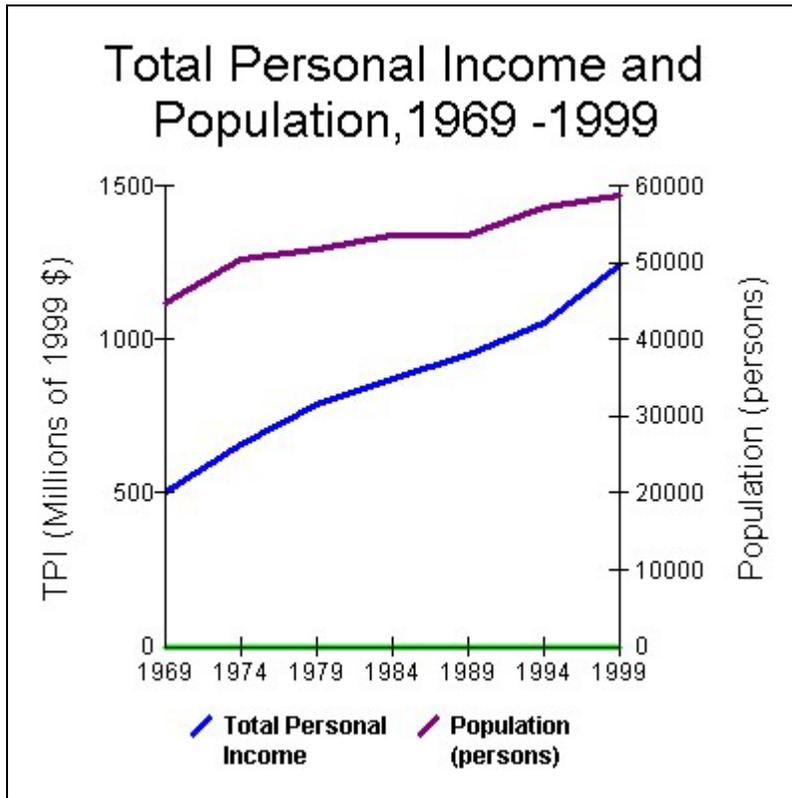


## Census Occupation and Employment

Occupation	Number	Percent
<b>Employed civilian population 16 years and over</b>	20,785	100.0
Management, professional, and related occupations	6,495	31.2
Service occupations	3,790	18.2
Sales and office occupations	4,986	24.0
Farming, fishing, and forestry occupations	293	1.4
Construction, extraction, and maintenance occupations	1,905	9.2
Production, transportation, and material moving occupations	3,316	16.0

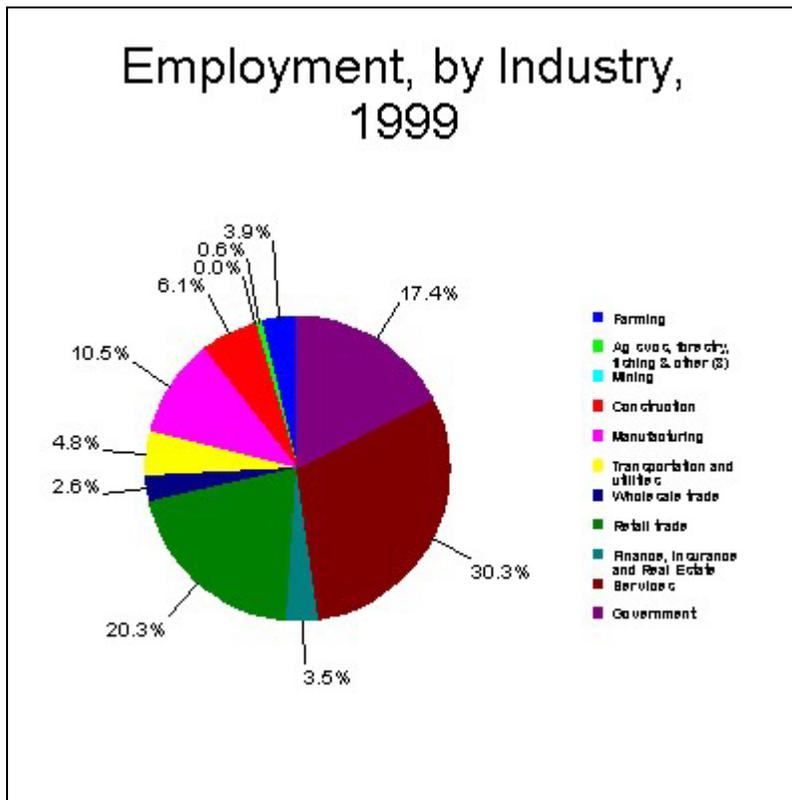
Industry	Number	Percent
<b>Employed civilian population 16 years and over</b>	20,785	100.0
Agriculture, forestry, fishing and hunting, and mining	742	3.6
Construction	1,256	6.0
Manufacturing	2,599	12.5
Wholesale trade	429	2.1
Retail trade	2,689	12.9
Transportation and warehousing, and utilities	834	4.0
Information	447	2.2
Finance, insurance, real estate, and rental and leasing	952	4.6
Professional, scientific, management, administrative, and waste management services	922	4.4
Educational, health and social services	5,697	27.4
Arts, entertainment, recreation, accommodation and food services	2,102	10.1
Other services (except public administration)	1,049	5.0
Public administration	1,067	5.1

## Personal Income and Population



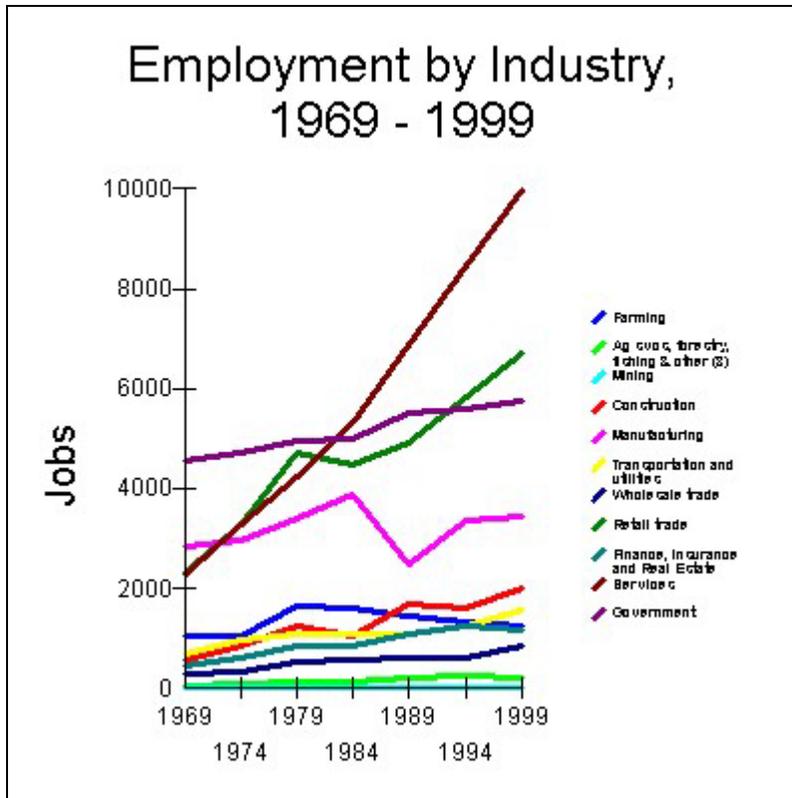
	<b>Total Personal Income (millions of 1999\$) and Population</b>						
	<b>1969</b>	<b>1974</b>	<b>1979</b>	<b>1984</b>	<b>1989</b>	<b>1994</b>	<b>1999</b>
Total Personal Income	505	657	787	875	948	1,051	1,240
Population (persons)	44,833	50,409	51,639	53,488	53,475	57,294	58,726

## Employment by Industry



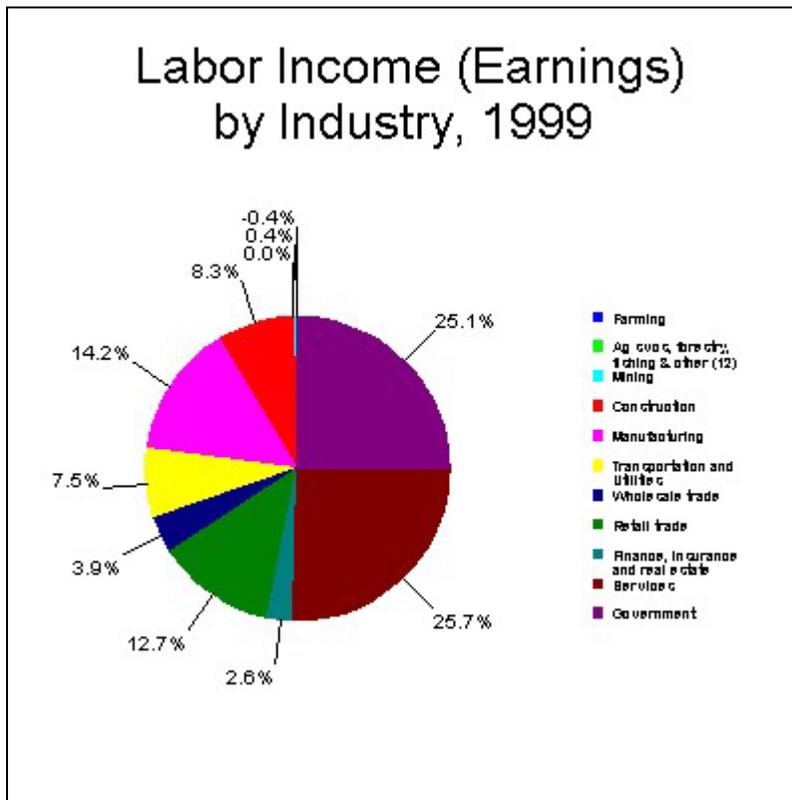
Employment by Type and Industry, 1969 - 1999 <sup>1</sup>						
	1969	Percent of Total 1969	1999	Percent of Total 1999	Change 1969 - 1999	Percent Change 1969 - 1999
<b>TOTAL EMPLOYMENT</b>	15,117	100 %	33,663	100 %	18,546	123 %
<b>Employment by Type</b>						
Wage and Salary	11,967	79 %	25,848	77 %	13,881	116 %
Proprietors	3,150	21 %	7,815	23 %	4,665	148 %
Farm	929	6 %	1,177	3 %	248	27 %
Non-Farm <sup>2</sup>	2,221	15 %	6,638	20 %	4,417	199 %

<b>Employment by Industry<sup>1</sup></b>						
	<b>1969</b>	<b>Percent of Total 1969</b>	<b>1999</b>	<b>Percent of Total 1999</b>	<b>Change 1969 - 1999</b>	<b>Percent Change 1969 - 1999</b>
Farm	1,071	7 %	1,269	4 %	198	18 %
Non-Farm	14,046	93 %	32,394	96 %	18,348	131 %
Private	9,495	63 %	26,654	79 %	17,159	181 %
Ag. Svcs, Forestry, Fishing & Other <sup>3</sup>	52	0 %	203	1 %	151	290 %
Mining	10	0 %	15	0 %	5	50 %
Construction	571	4 %	2,003	6 %	1,432	251 %
Manufacturing	2,836	19 %	3,447	10 %	611	22 %
Transportation & Public Utilities	697	5 %	1,571	5 %	874	125 %
Wholesale trade	300	2 %	855	3 %	555	185 %
Retail Trade	2,325	15 %	6,704	20 %	4,379	188 %
Finance, Insurance & Real Estate	446	3 %	1,155	3 %	709	159 %
Services	2,266	15 %	9,983	30 %	7,717	341 %
Government	4,551	30 %	5,740	17 %	1,189	26 %
Federal - Civilian	424	3 %	460	1 %	36	8 %
Military	457	3 %	238	1 %	-219	-48 %
State & Local	3,670	24 %	5,042	15 %	1,372	37 %



	<b>Full- and Part-Time Employment</b>						
<b>Industry</b>	<b>1969</b>	<b>1974</b>	<b>1979</b>	<b>1984</b>	<b>1989</b>	<b>1994</b>	<b>1999</b>
Farming	1,071	1,044	1,652	1,614	1,464	1,328	1,269
Ag svcs, forestry, fishing & other (3)	● 52	● 90	● 124	152	229	● 259	● 203
Mining	● 10	● 23	● 15	● 19	● 10	● 15	● 15
Construction	571	832	1,269	1,062	1,694	1,618	2,003
Manufacturing	2,836	2,968	3,389	3,866	2,480	3,350	● 3,447
Transportation and utilities	697	956	1,073	1,074	1,081	1,245	1,571
Wholesale trade	● 300	● 335	544	580	605	608	● 855
Retail trade	2,325	3,284	4,723	4,462	4,899	5,834	6,704
Finance, Insurance and Real Estate	446	619	874	868	1,087	1,247	● 1,155
Services	2,266	3,260	4,246	5,311	6,862	8,471	9,983
Government	4,551	4,700	4,955	4,992	5,493	5,592	5,740

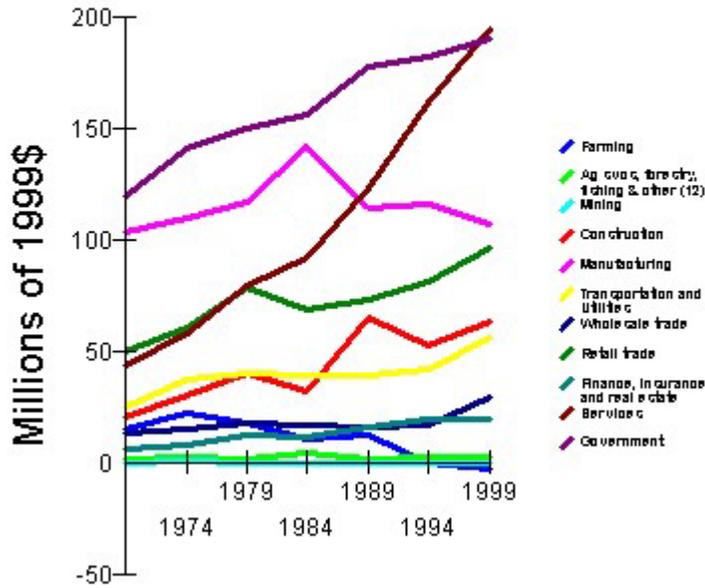
## Labor Income by Industry



Labor Income (Earnings) by Industry, 1969 - 1999 <sup>1</sup>						
All values in Millions of 1999 dollars (Unless noted)	1969	Percent of Total 1969	1999	Percent of Total 1999	Change 1969 - 1999	Percent Change 1969 - 1999
<b>Total Labor Income (Earnings by Place of Work)<sup>4</sup></b>	402	100 %	778	100 %	376	94 %

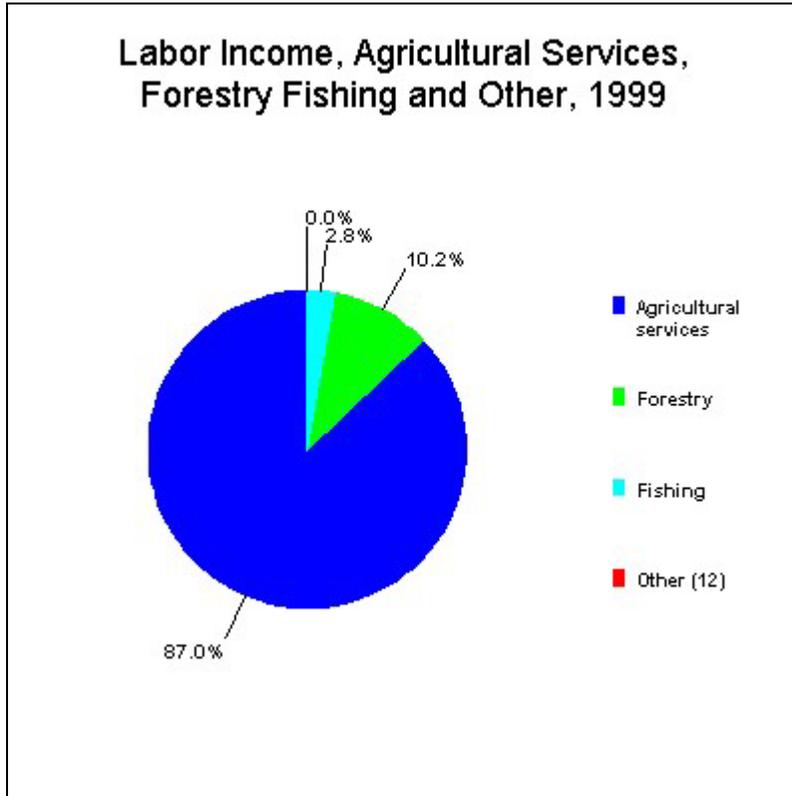
<b>Labor Income by Industry</b>						
All values in Millions of 1999 dollars (Unless noted)	<b>1969</b>	<b>Percent of Total 1969</b>	<b>1999</b>	<b>Percent of Total 1999</b>	<b>Change 1969 - 1999</b>	<b>Percent Change 1969 - 1999</b>
Proprietors' income	77	19 %	86	11 %	9	12 %
Farming <sup>1</sup>	16	4 %	-3	0 %	-19	-121 %
Ag. Svcs, Forestry, Fishing & Other <sup>12</sup>	2	0 %	3	0 %	1	54 %
Mining	0	0 %	0	0 %	0	0 %
Construction	21	5 %	63	8 %	43	208 %
Manufacturing	104	26 %	108	14 %	4	4 %
Durable Goods Mfg.	12	3 %	28	4 %	16	129 %
Non-Durable Goods Mfg.	88	22 %	5	1 %	-84	-95 %
Transportation and Public Utilities	26	6 %	57	7 %	31	121 %
Wholesale Trade	13	3 %	29	4 %	16	121 %
Retail Trade	51	13 %	96	12 %	46	91 %
Finance Insurance and Real Estate	7	2 %	20	3 %	13	190 %
Services	44	11 %	195	25 %	151	341 %
Government	119	30 %	190	24 %	70	59 %
Federal, Civilian	18	4 %	24	3 %	6	33 %
Military	5	1 %	3	0 %	-2	-37 %
State and Local	96	24 %	163	21 %	67	70 %

## Labor Income (Earnings) by Industry, 1969 - 1999

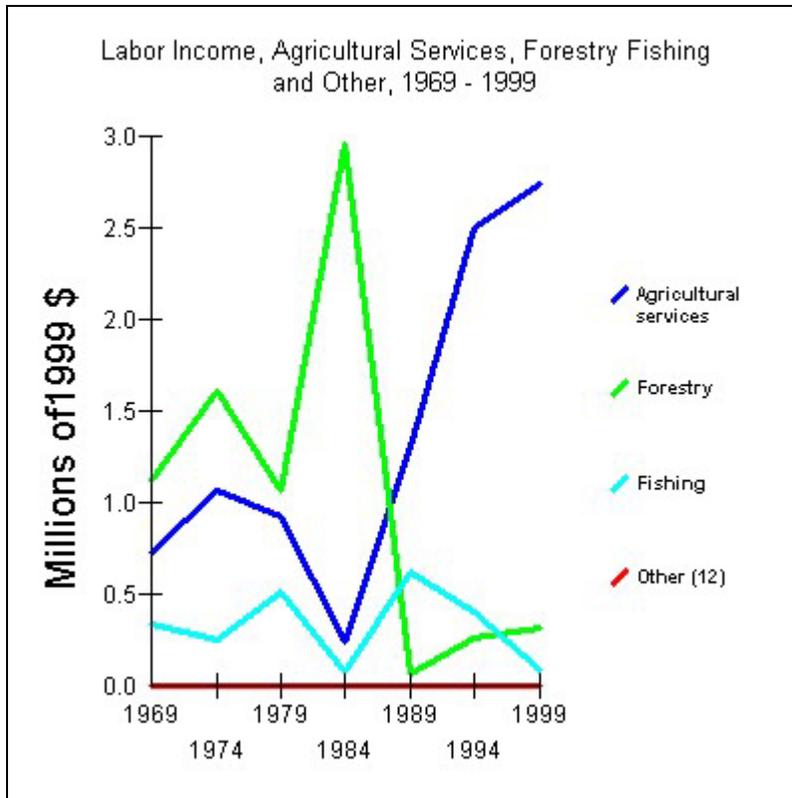


	Millions of 1999 \$						
Industry	1969	1974	1979	1984	1989	1994	1999
Farming	16	22	18	11	12	0	-3
Ag svcs, forestry, fishing & other (12)	2	3	2	4	2	3	3
Mining	0	1	0	1	0	0	0
Construction	21	30	41	33	65	53	63
Manufacturing	104	110	117	142	114	116	108
Transportation and Utilities	26	38	41	39	39	42	57
Wholesale trade	13	15	18	18	16	17	29
Retail trade	51	61	79	69	74	81	96
Finance, insurance and real estate	7	9	13	12	16	20	20
Services	44	58	79	92	124	162	195
Government	119	142	150	157	178	183	190

## Labor Income Ag Services

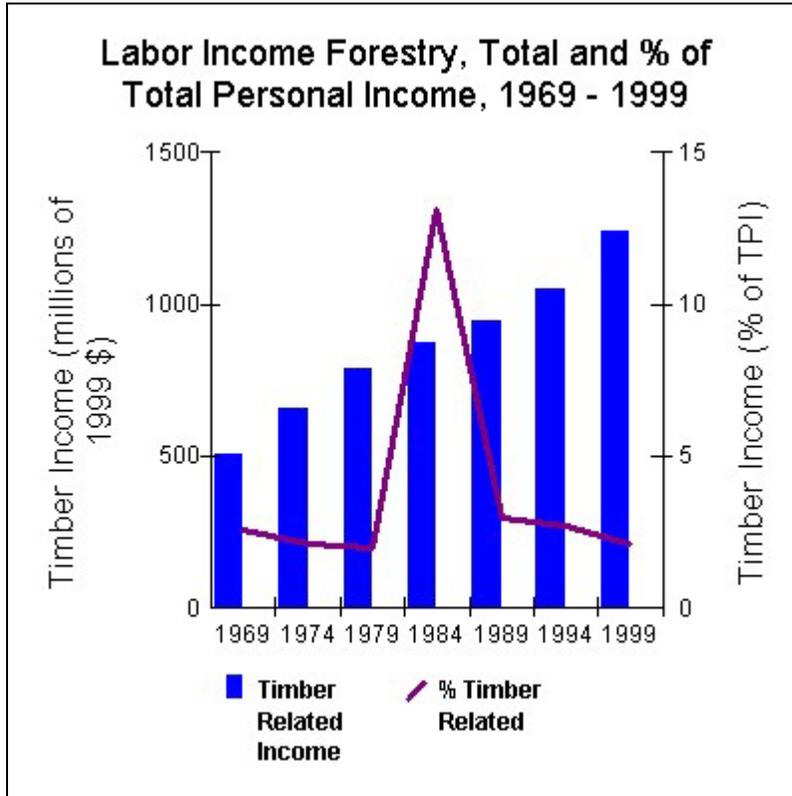


Industry	Millions of 1999 \$	Percent of Total
Agricultural services	3	87%
Forestry	0	10%
Fishing	0	3%
Other (12)	0	0%

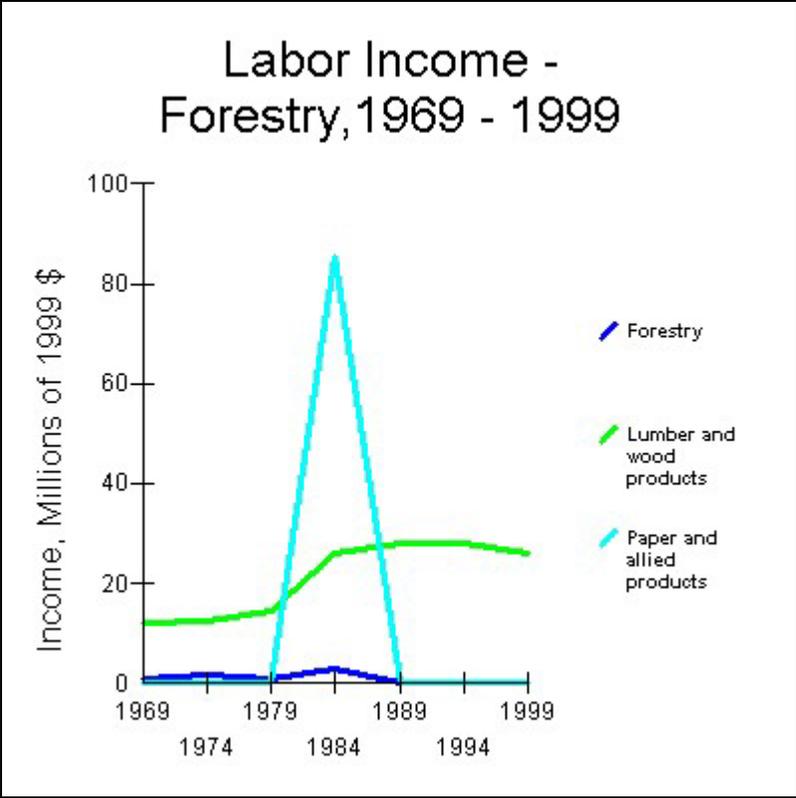


Agricultural services	1	1	1	0	1	3	3
Forestry	1	2	1	3	0	0	0
Fishing	0	0	1	0	1	0	0
Other (12)	0	0	0	0	0	0	0

## Labor Income Forest Industry



	Income, Millions of 1999 \$						
Industry	1969	1974	1979	1984	1989	1994	1999
Total Personal Income	505	657	787	875	948	1,051	1,240
Timber-Related Ind. (Forestry, Lumber & Paper)	2.60%	2.13%	1.97%	13.09%	2.96%	2.71%	2.12%



	Income, Millions of 1999 \$						
Industry	1969	1974	1979	1984	1989	1994	1999
Forestry	1	2	1	3	0	0	0
Lumber and wood products	12	12	14	26	28	28	26
Paper and allied products	0	0	0	85	0	0	0

## Notes

### Census Data Source

U.S. Census Bureau, Census 2000. 2030 projections from the MN State Demographic Center.

### Census Data Definitions

**Industry.** Information on industry relates to the kind of business conducted by a person's employing organization. For employed people, the data refer to the person's job during the reference week. For those who worked at two or more jobs, the data refer to the job at which the person worked the greatest number of hours. Some examples of industrial groups shown in this product include agriculture, forestry, fishing and hunting, and mining; construction; manufacturing; wholesale trade; retail trade; and public administration.

**Occupation.** Occupation describes the kind of work the person does on the job. For employed people, the data refer to the person's job during the reference week. For those who worked at two or more jobs, the data refer to the job at which the person worked the greatest number of hours during the reference week. Some examples of occupational groups shown in this product include service, sales, and farming.

### Economic Data Source

Bureau of Economic Analysis. 2001. Regional Economic Information System CD-ROM. Washington, DC: U.S. Department of Commerce.

### Personal Income and Earnings Notes

1. **Industry Classification:** Earnings estimates for 1996-1974 are based on the 1967 Standard Industrial Classification (SIC). Estimates for 1975-1987 are based on 1972 SIC. Estimates for 1988-1999 are based on 1987 SIC.
2. **Farm Income** consists of: proprietors' income; the cash wages, pay-in-kind and other labor income of hired farm workers; and the salaries of officers of corporate farms.
3. **Total Personal Income** differs from Earnings by Place of Work and Earnings by Industry in two respects. First, it includes non-labor income and excludes personal contributions for social insurance. These adjustments make TPI a more complete picture of the money available to the region's residents. Second, it measures the income of the region's residents, rather than the earnings of employees and owners of firms located in the region. That is, it accounts for earnings of commuters to and from other regions.
4. **Earnings by Place of Work** consists of wages, salaries, other labor income and personal contributions for social insurance earned or paid at firms located in the area. It can be broken down into "Components of Earnings" or into "Earnings by Industry".
5. **Personal Contributions to Social Insurance** are payments by workers and the self-employed into Social Security, Medicare, Unemployment Insurance, and other programs. This adjustment is made for the purpose of calculating Total Personal Income, but is not made to Components of Earnings or Earnings by Industry.
6. **Adjustment for Residence** is the net inflow of earnings of interarea commuters. A negative adjustment means that the earnings of workers commuting into the region are greater than the earnings of residents who commute to jobs outside the region. This adjustment is made for the

purpose of calculating Total Personal Income, but is not made to Components of Earnings or Earnings by Industry.

7. **Net Earnings by Place of Residence** comprises the labor income of residents of the region.

8. **Dividends, Interest and Rent** consists of current earnings from past investments and includes a capital consumption adjustment for rental income of persons.

9. **Transfer Payments** are payments to persons for which no current services have been performed. They comprise payments to individuals and to nonprofit institutions by Federal, State, and local governments and by businesses.

10. **Other Labor Income** consists of the payments by employers to privately administered benefit plans for their employees, the fees paid to corporate directors, and miscellaneous fees. Payments to private benefit plans account for more than 98 percent of other labor income.

11. **Proprietors' Income** is the current-production income (including income in kind) of sole proprietorships, partnerships, and tax-exempt cooperatives. It includes inventory valuation and capital consumption adjustments.

12. **Other** consists of wages and salaries of U.S. residents employed by international organizations and by foreign embassies and consulates in the U.S.

13. **Ordinance** was reclassified under the 1972 SIC to four 2-digit industries: fabricated metal products; electronic and other electric equipment; transportation equipment; and instruments and related products.

14. **Combined Real Estate, Insurance, Etc.** was reclassified under the 1987 SIC into four 2-digit industries: nondepository credit institutions; insurance agents, brokers, and services; real estate; and legal services.

15. **Social Services** was first recognized under the 1972 SIC, so estimates for years prior to 1974 do not exist.

16. **Engineering and Management Services** was first recognized under the 1987 SIC, so estimates for years prior to 1987 do not exist.

## Employment Notes

1. **Industry Classification:** Employment estimates for 1996-1974 are based on the 1967 Standard Industrial Classification (SIC). Estimates for 1975-1987 are based on 1972 SIC. Estimates for 1988-1999 are based on 1987 SIC.

2. **Non-Farm Proprietors** does not include limited partners.

3. **Other** consists of jobs held by U.S. residents employed by international organizations and foreign embassies and consultants in the U.S.

## Labor Income by Industry Notes

1. **Industry Classification:** Earnings estimates for 1996-1974 are based on the 1967 Standard Industrial Classification (SIC). Estimates for 1975-1987 are based on 1972 SIC. Estimates for 1988-1999 are based on 1987 SIC.

2. **Farm Income** consists of: proprietors' income; the cash wages, pay-in-kind and other labor income of hired farm workers; and the salaries of officers of corporate farms.

3. **Total Personal Income** differs from Earnings by Place of Work and Earnings by Industry in two respects. First, it includes non-labor income and excludes personal contributions for social insurance. These adjustments make TPI a more complete picture of the money available to the region's residents. Second, it measures the income of the region's residents, rather than the earnings of employees and owners of firms located in the region. That is, it accounts for earnings

of commuters to and from other regions.

4. **Earnings by Place of Work** consists of wages, salaries, other labor income and personal contributions for social insurance earned or paid at firms located in the area. It can be broken down into "Components of Earnings" or into "Earnings by Industry".

5. **Personal Contributions to Social Insurance** are payments by workers and the self-employed into Social Security, Medicare, Unemployment Insurance, and other programs. This adjustment is made for the purpose of calculating Total Personal Income, but is not made to Components of Earnings or Earnings by Industry.

6. **Adjustment for Residence** is the net inflow of earnings of interarea commuters. A negative adjustment means that the earnings of workers commuting into the region are greater than the earnings of residents who commute to jobs outside the region. This adjustment is made for the purpose of calculating Total Personal Income, but is not made to Components of Earnings or Earnings by Industry.

7. **Net Earnings by Place of Residence** comprises the labor income of residents of the region.

8. **Dividends, Interest and Rent** consists of current earnings from past investments and includes a capital consumption adjustment for rental income of persons.

9. **Transfer Payments** are payments to persons for which no current services have been performed. They comprise payments to individuals and to nonprofit institutions by Federal, State, and local governments and by businesses.

10. **Other Labor Income** consists of the payments by employers to privately administered benefit plans for their employees, the fees paid to corporate directors, and miscellaneous fees. Payments to private benefit plans account for more than 98 percent of other labor income.

11. **Proprietors' Income** is the current-production income (including income in kind) of sole proprietorships, partnerships, and tax-exempt cooperatives. It includes inventory valuation and capital consumption adjustments.

12. **Other** consists of wages and salaries of U.S. residents employed by international organizations and by foreign embassies and consulates in the U.S.

13. **Ordnance** was reclassified under the 1972 SIC to four 2-digit industries: fabricated metal products; electronic and other electric equipment; transportation equipment; and instruments and related products.

14. **Combined Real Estate, Insurance, Etc.** was reclassified under the 1987 SIC into four 2-digit industries: nondepository credit institutions; insurance agents, brokers, and services; real estate; and legal services.

15. **Social Services** was first recognized under the 1972 SIC, so estimates for years prior to 1974 do not exist.

16. **Engineering and Management Services** was first recognized under the 1987 SIC, so estimates for years prior to 1987 do not exist.

● Indicates a disclosure issue with the data.