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ECONOMIC GROWTH IN MINNESOTA COMPARED TO NEIGHBORING STATES AND THE NATION AS A WHOLE AND PROJECTIONS TO 1980 AND TO 1990

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Economic Growth in Minnesota Compared to Neighboring States
and the Nation as a Whole and Projections to 1980 and to 1990.

Terri Erickson and John D. Helmberger*

Many people believe that Minnesota's economy is lagging relative to neighboring states and the U.S. as a whole. This belief is based on two facts.

(1) Minnesota's per capita income is and has been lower than the national average^{1/}, and (2) Minnesota's population growth has been slower than for the nation as a whole. (Its birth and death rates were similar but there has been net-out-migration.) However, these facts do not mean that Minnesota's economy is lagging.

Minnesota's per capita income has been lower than the national average, but it has been growing faster. (Japan's per capita income is and has been lower than that for the U.S. But, as is well known, Japan's per capita income has been growing much faster. Almost no one believes Japan's economy is lagging. Its growth is a remarkable success story.) But why is Minnesota's per capita income lower than the national average? This is true largely because agriculture is relatively twice as important in Minnesota as it is in the nation as a whole and farm incomes have been historically lower than non-farm incomes. In 1929, Minnesota's farm income accounted for 13.9% of its personal income while such income accounted for 6.9% of U.S. personal income. These figures declined to 4.60% and 2.3%, respectively, by 1970. Generally, states, in which agriculture is relatively important, have lower per capita incomes.

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^{1/} Actually Minnesota's per capita income was (temporarily) larger than the national average in 1973 because of the spurt in farm income occasioned by the large grain imports made by Russia and China during that year.

Minnesota's population has grown slowly because of net-out-migration. But why has there been net-out-migration? The technological revolution in agriculture (the use of larger and more machinery, the development of improved plants and animals, the use of improved herbicides and insecticides, the greater use of commercial fertilizers, etc.) has so improved productivity in farming that fewer and fewer farmers are needed to produce the nation's food and fiber - so there has been an exodus of people from rural America. Those states which had (or have) relatively more farmers and relatively less urban population than the average for the nation experienced (or are experiencing) net-out-migration. All of the states which had relatively more than their share of farmers experienced net migration except Virginia, which is a special case because of the spillover of population from Washington, D.C. The more important farming is in a state, the greater the out-migration. Wisconsin and all the other Plains States, except Missouri, experienced a greater rate of out-migration than did Minnesota and all had a smaller rate of increase in personal income than did Minnesota between 1927-29 and 1972-74. All had a smaller increase between 1953-55 and 1972-74 except North Dakota. The more recent period 1968-70 and 1972-74 found Minnesota's personal income growing faster than Wisconsin and Missouri. Personal income in the other Plains States grew faster than it did in Minnesota - thanks to the (temporary?) spurt in farm income. In these states agriculture is relatively even more important than it is in Minnesota.

Despite the above, the available data show clearly that Minnesota's economy has not lagged, and Department of Commerce projections are very favorable. Section I provides the relevant statistics for Minnesota as compared with those of other Plains States (Iowa, Missouri, North Dakota, South Dakota, Nebraska, and Kansas), with adjoining Wisconsin, and the U.S. as a whole in Tables 1.1 - 1.5, below. Section II summarizes projections made for all the states by the Department of Commerce to 1980 and to 1990.

Section I: The Historical Record

Minnesota's total personal income increased 1,193% from the 3 year average, 1927-29, to the 3 year average, 1972-74, compared to an increase of 1,183% for the U.S. as a whole. The rate of growth from the mid-fifties to 1972-74 was also greater for Minnesota than for the U.S.; 265% and 257%, respectively, as was the case comparing the 3 year average 1968-70 with the 3 year average 1972-74, 43% and 40%, respectively. The Department of Commerce uses 3 year averages when comparing growth rates among the states since the degree of reliance on agriculture varies greatly and income from agriculture is highly variable. A state may look like it is doing very well (or very badly) if single year figures are compared because it had a very good crop year (or bad one) or because farm prices were high (or low). (See Table 1.1). Minnesota's growth has been especially good considering the fact that it has more than its proportionate share of farmers (whose incomes have been lower than urban incomes until recently) and it experienced net-out-migration which added personal income in other states while subtracting it from Minnesota.

Growth in personal income per capita is a better measure of welfare than the increase in total personal income. It is increasing income per capita that measures material well-being. Table 1.2 reveals that per capita personal income in Minnesota increased 750% between the 3 year period 1927-29 and the 3 year period 1972-74 while it increased 635% in the U.S. as a whole. Per capita income in Minnesota increased from \$598 in 1929 to \$5,422 in 1974 while per capita income for the U.S. as a whole increased from \$703 to \$5,448. Minnesota's per capita income gained both absolutely and relatively. The (short run) spurt in farm income had brought Minnesota's per capita income, at least temporarily, above the U.S. average in 1973 (\$5,106 and \$5,023). Of the 7 Plains States and Wisconsin, Minnesota had a higher per capita income for the 1972-74 period than

did Missouri and South Dakota, approximately the same per capita income as Wisconsin, Iowa and Nebraska, and a smaller one than North Dakota and Kansas. In the 1927-29 period, two states of the 8 in the area, Wisconsin and Missouri, had a higher per capita income than Minnesota; in the 1953-55 period states, Wisconsin, Missouri, and Kansas, had a higher per capita income; in the period 1968-70 only Kansas had a higher per capita income.

Average weekly wages in manufacturing are greater in Minnesota than the national average and manufacturing payrolls in Minnesota have been growing faster than the national average. Such payrolls increased 1,805% in Minnesota between 1929 and 1974 while the U.S. manufacturing payrolls increased 1,217%. Of the neighboring states, only Kansas, Iowa, and North Dakota had more rapid rates of growth in manufacturing. Minnesota had a larger absolute growth than did those states.

Between 1970 and 1971, manufacturing payrolls in Minnesota dropped from \$2,698 million to \$2,669 million (Department of Commerce data) while such payrolls increased in each of the neighboring states and in the U.S. as a whole. This drop is due to the national policy changes which sharply reduced the demand for electronics equipment which is a substantial part of Minnesota's manufacturing. Recall how hard Honeywell was hit by the change! Thus the 34.88% increase in manufacturing payrolls in Minnesota between 1970 and 1974 masks a 1.1% decrease from 1970 to 1971 followed by a recovery of 10.12% between 1971 and 1972. Manufacturing payrolls actually increased 36.34% between 1971 and 1974. Between 1972 and 1974 manufacturing payrolls increased faster in Minnesota than the national average though not as fast as in neighboring states. (See Table 1.3).

Employment in manufacturing in Minnesota grew more rapidly than it did in the U.S. as a whole whether we measure the rate of growth from 1940 to 1973, 1950 to 1973, 1960 to 1973, or 1970 to 1973. The rate of growth in such employment

was also generally higher than in neighboring states - until recently because of the setback in 1971. Since 1960, only the Dakotas, among the 8 states of the area, experienced a more rapid rate of growth in manufacturing employment than Minnesota. In absolute terms, manufacturing employment increased by 101,000 in Minnesota between 1960-1973 while it increased 12,000 in the Dakotas combined. Half of the severe drop in manufacturing employment in Minnesota between 1970 and 1971 is accounted for by the decline in employment in the electrical machinery industry. Between 1971 and 1972, manufacturing employment in Minnesota increased again, faster than the national average but not as fast as its neighbors.

However, the electrical machinery industry has fully recovered since then. Between 1972 and 1973, total manufacturing employment increased 6.5% in Minnesota while it increased less than 5% nationwide. (See Table 1.4).

Between the years 1949-51 and 1972-74, Minnesota's realized net farm income grew faster (196%) than the national average (83%). Among the other Plains States and Wisconsin, farm income grew faster than Minnesota only in North Dakota. (See Table 1.5).

Expansion in such growth industries as electronics and other industries that require highly skilled and professional labor suggest that Minnesota's prospects for growth at a rate greater than average are good. This goes for growth in total personal income, despite continued out-migration (if it continues), as well as for growth in farm income, nonfarm income and per capita personal income.

Whether we measure growth by total personal income, per capita personal income, manufacturing payrolls, employment in manufacturing, nonfarm income, or farm income, Minnesota's rate of growth has been faster than the national average.

Table 1 1: Total Personal Income for the U.S., Minnesota, and Neighboring States, 1927-29, 1953-55, 1968-70, 1972-74 compared.

Area	1 1927-29 3 yr average	2 1953-55 3 yr average	3 1968-70 3 yr average	4 1972-74 3 yr average	5 1927-29 to 1972-74	6 percent change		7 1968-70 to 1972-74
						1953-55	1972-74 to 1972-74	
United States	\$81,827	\$293,779	\$749,542	\$1,050,096	1183.31%	257.44%		40.10%
Wisconsin	1,891	6,386	15,589	21,731	1049.18	240.29		39.40
Plains States	7,376	24,144	56,741	81,317	1002.45	236.80		43.31
<u>Minnesota</u>	<u>1,485</u>	<u>5,255</u>	<u>13,451</u>	<u>19,204</u>	<u>1193.20</u>	<u>265.44</u>		<u>42.77</u>
Iowa	1,354	4,344	9,851	14,504	971.20	233.89		47.23
Missouri	2,195	7,124	16,471	22,364	918.86	213.92		35.78
North Dakota	294	790	1,802	3,251	1005.78	311.52		80.41
South Dakota	286	888	1,978	3,036	961.54	241.89		53.49
Nebraska	768	2,190	5,179	7,626	892.97	248.22		47.25
Kansas	995	3,552	8,008	11,537	1059.50	224.80		44.07

Source 1: Data for 1927-29 from Personal Income by States, Supplement to Survey of Current Business, Dept. of Commerce, 1956, p. 38 and p. 140.

2: Data for 1953-55, Survey of Current Business, Dept. of Commerce, August, 1969, p. 14.

3: Data for 1968-70, Survey of Current Business, Dept. of Commerce, August, 1971, p. 31.

4: Data for 1972-74, Survey of Current Business, Dept. of Commerce, August, 1975, p. 10.

Table 1.2: Per Capita Personal Income for the U.S., Minnesota, and Neighboring States, 1927-29, 1953-55, 1968-70, 1972-74 compared.

Area	1 1927-29 3 yr average	2 1953-55 3 yr average	3 1968-70 3 yr average	4 1972-74 3 yr average	5 1927-29 to 1972-74	6 1953-55 to 1972-74	7 percent change 1968-70 to 1972-74
United States	\$682	\$1,822	\$3,719	\$5,015	635.34%	175.25%	34.85%
Wisconsin	653	1,775	3,555	4,948	657.73	178.76	39.18
Plains States	560	1,667	3,493	4,867	769.11	191.96	39.34
<u>Minnesota</u>	<u>584</u>	<u>1,688</u>	<u>3,576</u>	<u>4,952</u>	<u>749.66</u>	<u>193.36</u>	<u>38.48</u>
Iowa	551	1,643	3,501	4,956	799.46	201.64	41.56
Missouri	610	1,748	3,554	4,694	669.51	168.54	32.08
North Dakota	436	1,292	2,904	5,114	1072.94	295.82	76.10
South Dakota	418	1,356	2,960	4,467	968.66	229.42	50.91
Nebraska	562	1,629	3,507	4,969	784.16	205.03	41.69
Kansas	535	1,739	3,584	5,088	851.03	192.58	41.96

Source 1: Data for 1927-29 from Personal Income by States Ibid, p. 38, p. 142.

2: Data for 1953-55, Survey of Current Business, August 1969, p. 15.

3: Data for 1968-70, Survey of Current Business, August 1971, p. 31.

4: Data for 1972-74, Survey of Current Business, August 1975, p. 11.

Table I.3: Manufacturing Payrolls in Minnesota, Neighboring States,
and the U.S. Selected Years. Millions of Dollars

Area	1 1929	2 1948	3 1970	4 1972	5 1973	6 1974	7 1929 to 1974	8 1948 to 1974	Percent Change		11 1973 to 1974
									9 1970 to 1974	10 1972 to 1974	
United States	\$16,092	\$46,459	\$158,349	\$175,741	\$196,696	\$211,885	1216.71	356.07	33.81	20.57	7.72
Wisconsin	487	1,384	4,231	4,744	5,430	5,971	1126.08	331.43	41.13	25.86	9.96
Plains States	825	2,425	9,937	11,092	12,492	13,705	1561.21	465.15	37.92	23.56	9.71
<u>Minnesota</u>	<u>191</u>	<u>582</u>	<u>2,698</u>	<u>2,939</u>	<u>3,326</u>	<u>3,639</u>	<u>1805.24</u>	<u>525.26</u>	<u>34.88</u>	<u>23.82</u>	<u>9.41</u>
Iowa	131	437	1,788	2,072	2,361	2,715	1972.52	521.28	51.85	31.03	14.99
Missouri	359	981	3,604	3,931	4,326	4,567	1172.14	365.55	26.72	16.18	5.57
North Dakota	6	16	67	79	96	121	1916.67	656.25	80.60	53.16	26.04
South Dakota	10	32	115	138	156	178	1680.00	456.25	54.78	28.99	14.10
Nebraska	52	133	621	711	788	874	1580.77	557.14	40.74	22.93	10.91
Kansas	77	244	1,044	1,222	1,439	1,611	1992.21	560.25	54.31	31.83	11.95

Source 1: Personal Income by States, Survey of Current Business, Dept. of Commerce, 1956, p. 140 and pp. 166-75 for 1929 and 1948 data.

2: Department of Commerce, 1970, 1972, 1973 and 1974 data. Computer tables.

Table 1.4: Employment in Manufacturing for the U.S., Minnesota and Neighboring States, 1940-1973.

1 Area	2 1950	3 1960	4 Employment in Thousands				7 1973	8 1940 to 1973	9 Percent Changes		11 1970 to 1973
			4 1970	5 1971	6 1972	6 1973			9 1950 to 1973	10 1960 to 1973	
United States	10,985	15,241	16,696	18,529	18,933	19,820	19,820	80.43%	30.04%	18.71%	2.43%
Wisconsin	279.7	434.5	460.4	479.6	495.4	529.4	529.4	89.27	21.84	14.99	5.69
Plains States	554.9	874.0	1001.4	1175.2	1231.1	1306.3	1306.3	135.41	49.46	30.45	6.53
<u>Minnesota</u>	<u>117.6</u>	<u>200.7</u>	<u>229.7</u>	<u>299.4</u>	<u>310.8</u>	<u>331.0</u>	<u>331.0</u>	<u>181.46</u>	<u>64.92</u>	<u>44.10</u>	<u>3.63</u>
Iowa	95.6	154.4	176.6	209.2	223.4	240.5	240.5	151.57	55.76	36.18	11.60
Missouri	247.4	353.8	392.7	427.1	438.3	454.5	454.5	83.71	28.46	15.74	1.88
North Dakota	4.6	6.1	6.5	9.9	10.6	11.9	11.9	158.70	95.08	83.08	20.20
South Dakota	8.1	11.6	13.1	15.8	18.5	19.7	19.7	143.21	69.83	50.38	24.68
Nebraska	30.7	52.1	66.8	85.0	86.4	90.2	90.2	193.81	73.13	35.03	6.12
Kansas	50.9	95.3	116.0	129.8	143.1	158.5	158.5	211.39	66.32	36.64	17.84

Source: Handbook of Labor Statistics, 1972, U.S. Dept. of Labor, BLS, Table 38, p. 89 for U.S. total - Table 48 pp. 105-106 for states and regions. 1940, 50, 60 data.

Handbook of Labor Statistics, 1973, U.S. Dept. of Labor, BLS, Table 38, p. 95 for U.S. total - Table 48 pp. 112-113 for states and regions. 1970, 71 data.

Handbook of Labor Statistics, 1974, U.S. Dept. of Labor, BLS, Table 39, p. 103 for U.S. total - Table 49 pp. 120-121 for states and regions. 1972, 73 data.

Table 1.5: Total Net Farm Income in Minnesota, Neighboring States, and the United States, Selected Years.
Millions of Dollars

Area	1 1949	2 1950	3 1951	4 1949-51 Average	5 1972	6 1973	7 1974	8 1972-74 Average	9 Percent Change 1949-51 to 1972-74
United States	12,780	13,648	15,934	14,121	18,171	33,099	26,072	25,781	82.57%
Wisconsin	447.6	435.0	601.8	494.8	667.7	907.6	750.3	775.2	56.67
Plains States	2802.2	3663.1	3709.1	3391.5	5378.4	11313.2	6794.3	7828.6	130.83
<u>Minnesota</u>	<u>493.3</u>	<u>512.0</u>	<u>663.9</u>	<u>556.4</u>	<u>895.9</u>	<u>2295.8</u>	<u>1752.4</u>	<u>1648.0</u>	<u>196.19</u>
Iowa	725.3	1055.4	1017.2	932.6	1242.8	2736.2	1204.4	1727.8	85.27
Missouri	492.1	563.8	568.1	541.3	587.0	1101.1	513.5	733.9	35.58
North Dakota	176.3	262.0	245.4	227.9	587.6	1496.5	1126.0	1070.0	369.50
South Dakota	157.8	245.8	339.0	247.5	504.2	1008.8	572.3	695.1	180.85
Nebraska	361.6	530.5	468.4	453.5	687.8	1245.3	681.1	871.4	92.15
Kansas	395.8	493.6	407.1	432.2	873.1	1429.5	944.6	1082.4	150.44

Source: State Farm Income Statistics, Economic Research Service, USDA, September 1975, Table 7 p. 34,
Table 6 pp. 16-33.

Section II: Projections

The U.S. Department of Commerce in Area Economic Projections 1990 has made projections of growth by industry, by SMSA, and by state to 1980 and to 1990.^{1/} This is the second set of such projections. The first was made in 1972 and published in the Survey of Current Business, April, 1972. The Department plans to update the projections every five years.

The projections discussed here are "keyed to the Census Bureau's series "E" national population projection and, in addition, embodied updated historical data and revised (from the 1972 set of projections) projection procedures. The series "E" population projection assumes a fertility rate in 1990 roughly the same as the current rate."^{2/}

The projections assume no policy changes of an unusual nature or magnitude before 1990. It envisages continued (though decelerated) rural to urban migration. It takes into account to some degree the changing energy costs, abstracts from business cycles, assumes maintenance of "reasonably full employment" (4% unemployment), abstracts from wars, assumes technological progress to support a 2.9% annual increase in productivity per man hour and takes environmental control into account.^{3/}

The tables that follow this introduction show projections from 1969 to 1980 and 1969 to 1990 in the following variables by state: (1) population, (2) total employment, (3) personal income, (4) per capital personal income, (5) total earnings which exclude property income and transfer payments, (6) earnings in agriculture, (7) earnings in manufacturing, (8) earnings from government, (9) earnings from Federal government, and (10) earnings from State and Local

^{1/} Bureau of Economic Analysis, Social and Economic Statistics Administration, U.S. Department of Commerce.

^{2/} Ibid., p. 1.

^{3/} Ibid., p. 5.

government. All dollar figures in the tables are in 1967 dollars. Each table shows the percentage increases, by state, in each of the variables from 1969-1980 and from 1969-1990 and ranks the states by percentage increases projected. The data were taken from pages 218-237 from Area Economic Projections 1990. The last year for which historical data are given is 1971. The tables make the projections from 1969 to facilitate comparison with the projections made by the Department of Commerce in 1972 when 1969 was the latest year for historical data.^{1/}

The projected rates of growth to 1980 or to 1990 are higher for Minnesota than for the U.S. as a whole in every category except population. Minnesota's projected rate of growth to 1980 is also higher than any other midwestern state in the case of total personal income, per capita income, total earnings, and earnings in government and its rates of growth in the other variables were among the highest in the midwest. The comparison of projections to 1990 between Minnesota and the other midwest states is similar to the comparison for 1980.

The following table summarizes the projected rates of growth from the tables in the appendix.

^{1/} The 1972 projection tables, paralleling those which appear here, are available on request.

A Summary of Projected Rates of Growth:
Minnesota Compared to the U.S. and the Midwest*
Minnesota Projections Compared to the U.S. and the Other 11 States

Variable

Projection 1969-80

Projection 1969-90

1. Population	Lower than the U.S. <u>but higher</u> than the rest of the Midwest except Michigan, Ohio and Indiana.	Lower than the U.S. <u>but higher</u> than the rest of the Midwest except Michigan and Indiana.
2. Total Employment	Higher than the U.S. <u>and higher</u> than the rest of the Midwest except Michigan and Indiana.	Higher than the U.S. <u>and higher</u> than the rest of the Midwest except Michigan and Indiana.
3. Total Personal Income	Higher than the U.S. <u>and higher</u> than the rest of the Midwest.	Higher than the U.S. <u>and higher</u> than the rest of the Midwest.
4. Per Capita Income	Higher than the U.S. <u>and higher</u> than the rest of the Midwest.	Higher than the U.S. <u>and higher</u> than the rest of the Midwest except South Dakota.
5. Total Earnings	Higher than the U.S. <u>and higher</u> than the rest of the Midwest.	Higher than the U.S. <u>and higher</u> than the rest of the Midwest.
6. Earnings in Agriculture**	Higher than the U.S. <u>and higher</u> than the rest of the Midwest except Kansas, South Dakota and possibly North Dakota.**	Higher than the U.S. <u>and higher</u> than the rest of the Midwest except Kansas, South Dakota and possibly North Dakota.**
7. Earnings in Manufacturing	Higher than the U.S. <u>and higher</u> than the rest of the Midwest except the Dakotas and Nebraska. (Minnesota's absolute projected increase is more than 3 times as large as the Dakotas and Nebraska combined).	Higher than the U.S. <u>and higher</u> than the rest of the Midwest except the Dakotas and Nebraska. (Minnesota's absolute projected increase is more than 3 times as large as the Dakotas and Nebraska combined).
8. Earnings in Government	Higher than the U.S. <u>and higher</u> than the rest of the Midwest.	Higher than the U.S. <u>and higher</u> than the rest of the Midwest.
9. Earnings in Federal Government	Higher than the U.S. <u>and higher</u> than the rest of the Midwest except Wisconsin.	Higher than the U.S. <u>and higher</u> than the rest of the Midwest.
10. Earnings in State and Local Government	Higher than the U.S. <u>and higher</u> than the rest of the Midwest except Illinois.	Higher than the U.S. <u>and higher</u> than the rest of the Midwest except Illinois.

* The Great Lakes States, Michigan, Ohio, Indiana, Illinois, Wisconsin and the Plains States, Minnesota, Iowa, Missouri North Dakota, South Dakota, Nebraska, and Kansas.

** Rates of growth for North Dakota are missing since no data were published for the base year, 1969, for that state.

Appendix*

Table

- 2.1 Population
- 2.2 Total Employment
- 2.3 Total Personal Income
- 2.4 Per Capita Income
- 2.5 Total Earnings
- 2.6 Earnings in Agriculture
- 2.7 Earnings in Manufacturing
- 2.8 Earnings in Government
- 2.9 Earnings in Federal Government
- 2.10 Earnings in State and Local Government

* Source of all data in the tables:
Area Economic Projections 1990, Bureau of Economic Analysis, Social and
Economic Statistics Administration, U.S. Department of Commerce, 1975,
pp. 218-237.

TABLE 2.1. POPULATION

AREA	POPULATION			PERCENT CHANGE			RANK IN PERCENT CHANGE		
	1969	1980	1990	1969-1980	1969-1990	1980-1990	1969-1980	1969-1990	1980-1990
UNITED STATES	201298000	223532000	246039000	11.05	22.23	11.05			
NEW ENGLAND	11735000	12953600	14130300	10.38	20.41	10.38			
MAINE	992000	972400	991800	-1.98	-0.02	-1.98	48		47
NEW HAMPSHIRE	724000	842600	918900	16.39	26.92	16.39	6		13
VERMONT	437000	482200	518700	10.34	18.70	10.34	24		30
MASSACHUSETTS	5650000	6266900	6875500	10.92	21.69	10.92	21		22
RHODE ISLAND	932000	1031600	1115200	10.69	19.66	10.69	23		26
CONNECTICUT	3000000	3357700	3709900	11.92	23.66	11.92	19		19
MIDEAST	42111000	45931600	50016400	9.07	18.77	9.07			
NEW YORK	18105000	19351900	20945600	6.89	15.69	6.89	36		34
NEW JERSEY	7095000	8080300	8923300	13.89	25.77	13.89	12		15
PENNSYLVANIA	11741000	12649300	13415500	7.74	14.26	7.74	35		36
DELAWARE	540000	626500	707400	16.02	31.00	16.02	7		10
MARYLAND	3868000	4473400	5274500	15.65	36.36	15.65	8		4
DISTRICT OF COLUMBIA	762000	750000	750000	-1.57		-1.57	47		48
GREAT LAKES	39904000	44004500	47688300	10.28	19.51	10.28			
MICHIGAN	8781000	9742500	10645100	10.95	21.23	10.95	20		24
OHIO	10563000	11650600	12609400	10.30	19.37	10.30	25		27
INDIANA	5143000	5783600	6364200	12.46	23.74	12.46	18		18
ILLINOIS	11039000	12090900	13056400	9.53	18.28	9.53	19		31
WISCONSIN	4378000	4736600	5012900	8.19	14.50	8.19	34		35
PLAINS	16202000	17064600	18033500	5.32	11.30	5.32			
MINNESOTA	3758000	4119400	4553100	9.62	21.16	9.62	28		25
IOWA	2805000	2913400	2992700	3.86	6.69	3.86	41		41
MISSOURI	4640000	5071200	5438500	9.29	17.21	9.29	30		33
NORTH DAKOTA	621000	578700	563400	-6.81	-9.28	-6.81	51		51
SOUTH DAKOTA	668000	654500	647500	-2.02	-3.07	-2.02	49		49
NEBRASKA	1474000	1498800	1552200	1.68	5.64	1.68	43		43
KANSAS	2236000	2228400	2280800	-0.34	2.00	-0.34	46		45
SOUTHEAST	43440000	49827700	56373800	14.70	29.77	14.70			
VIRGINIA	4614000	5295400	6135000	14.77	32.96	14.77	9		7
WEST VIRGINIA	1746000	1832100	1845100	4.93	5.68	4.93	38		42
KENTUCKY	3198000	3608800	3982300	12.85	24.52	12.85	16		17
TENNESSEE	3897000	4556800	5190500	16.93	33.19	16.93	5		6
NORTH CAROLINA	5031000	5736300	6464700	14.02	28.50	14.02	11		12
SOUTH CAROLINA	2570000	2818500	3121900	9.67	21.47	9.67	27		23
GEORGIA	4551000	5147300	5907400	13.10	29.80	13.10	15		11
FLORIDA	6641000	8926400	10978100	34.41	65.31	34.41	1		1
ALABAMA	3440000	3746700	4090400	8.92	18.91	8.92	33		28
MISSISSIPPI	2220000	2327900	2450300	4.86	10.37	4.86	39		39
LOUISIANA	3619000	3744300	3936500	3.46	8.77	3.46	42		40
ARKANSAS	1913000	2086600	2271000	9.07	18.71	9.07	31		29
SOUTHWEST	16328000	18210200	20405300	11.53	24.97	11.53			
OKLAHOMA	2535000	2762300	2993400	8.97	18.08	8.97	32		32
TEXAS	11045000	12166900	13579700	10.16	22.95	10.16	26		21
NEW MEXICO	1011000	1054900	1131200	4.34	11.89	4.34	40		38
ARIZONA	1737000	2225900	2700900	28.15	55.49	28.15	3		3
ROCKY MOUNTAIN	4943000	5454900	5935600	10.36	20.08	10.36			
MONTANA	694000	669700	664500	-3.50	-4.25	-3.50	50		50
IDaho	707000	707900	737500	0.13	4.31	0.13	45		44
WYOMING	329000	330900	334000	0.58	1.52	0.58	44		46
COLORADO	2166000	2586100	2889900	19.40	33.42	19.40	4		5
UTAH	1047000	1160100	1309600	10.80	25.08	10.80	22		16
FAR WEST	25596000	28903700	32085600	12.92	25.35	12.92			
WASHINGTON	3343000	3549900	3805700	6.19	13.84	6.19	37		37
OREGON	2062000	2334600	2537200	13.22	23.05	13.22	14		20
NEVADA	488000	615600	760500	28.25	58.46	28.25	2		2
CALIFORNIA	19711000	22403400	24982000	13.66	26.74	13.66	13		14
ALASKA	296000	333200	391100	12.57	32.13	12.57	17		8
HAWAII	743000	847500	973600	14.05	31.71	14.05	10		9

TABLE 2.2 TOTAL EMPLOYMENT

AREA	EMPLOYMENT			PERCENT CHANGE		RANK IN PERCENT CHANGE	
	1969	1980	1990	1969-1980	1969-1990	1969-1980	1969-1990
UNITED STATES	79306527	96114000	106388000	21.19	34.15		
NEW ENGLAND	4889277	5896800	6463500	20.81	32.20		
MAINE	380536	410800	424600	7.95	11.58	48	46
NEW HAMPSHIRE	302365	380300	418400	25.78	38.38	7	15
VERMONT	170340	206200	230400	21.05	35.26	25	22
MASSACHUSETTS	2351255	2857600	3143400	21.54	33.69	24	25
RHODE ISLAND	406261	486300	525900	19.70	29.45	28	34
CONNECTICUT	1278520	1555400	1720500	21.66	34.57	23	23
MIDEAST	16917880	20314700	22402400	20.08	32.42		
NEW YORK	7209285	8550300	9355700	18.60	29.77	35	32
NEW JERSEY	2931409	3659200	4071400	24.83	38.89	9	14
PENNSYLVANIA	4594266	5401600	5798700	17.57	26.22	36	37
DELAWARE	219394	274100	311000	24.94	41.75	8	9
MARYLAND	1618348	1972100	2259300	21.86	39.61	21	12
DISTRICT OF COLUMBIA	345178	457100	605900	32.42	75.53	4	1
GREAT LAKES	15730018	19199700	20955300	22.06	33.22		
MICHIGAN	3308017	4108300	4529500	24.19	36.92	14	18
OHIO	4124258	5025100	5485000	21.84	32.99	22	28
INDIANA	2049024	2549900	2826600	24.44	37.95	12	16
ILLINOIS	4518504	5448700	5918800	20.59	30.99	26	31
WISCONSIN	1730215	2067400	2195300	19.49	26.88	31	36
PLAINS	6390420	7386400	7884600	15.59	23.38		
MINNESOTA	1494408	1824300	2031500	22.08	35.94	19	21
IOWA	1108199	1262500	1307900	13.92	18.02	43	43
MISSOURI	1820507	2174600	2361000	19.45	29.69	32	33
NORTH DAKOTA	219139	224800	222000	2.58	1.31	51	51
SOUTH DAKOTA	250210	269300	268300	7.63	7.23	49	49
NEBRASKA	598153	658700	689700	10.12	15.30	45	45
KANSAS	899804	971800	1003900	8.00	11.57	47	47
SOUTHEAST	16469629	20403600	23118100	23.89	40.37		
VIRGINIA	1902761	2320500	2646400	21.95	39.08	20	13
WEST VIRGINIA	554296	637500	663000	15.01	19.61	41	42
KENTUCKY	1136529	1417500	1603400	24.72	41.08	10	10
TENNESSEE	1494800	1891300	2177800	26.53	45.69	6	5
NORTH CAROLINA	2103819	2580300	2900700	22.65	37.88	16	17
SOUTH CAROLINA	1032811	1234900	1368800	19.57	32.53	30	29
GEORGIA	1843007	2297900	2632500	24.68	42.84	11	8
FLORIDA	2550162	3498200	4189400	37.18	64.28	1	3
ALABAMA	1235239	1474100	1632700	19.34	32.18	33	30
MISSISSIPPI	747707	875500	941000	17.09	25.85	37	38
LOUISIANA	1204236	1379800	1477800	14.58	22.72	42	41
ARKANSAS	664262	795600	884100	19.77	33.10	27	27
SOUTHWEST	6312220	7595800	8547800	20.33	35.42		
OKLAHOMA	973880	1136000	1249000	16.65	28.25	38	35
TEXAS	4347895	5179500	5811600	19.13	33.66	34	26
NEW MEXICO	342360	397600	429800	16.14	25.54	39	39
ARIZONA	648085	882600	1057200	36.19	63.13	2	4
ROCKY MOUNTAIN	1924415	2330500	2545800	21.10	32.29		
MONTANA	254088	269700	271000	6.14	6.66	50	50
IDAHO	267472	297400	312300	11.19	16.76	44	44
WYOMING	128800	140100	142100	8.77	10.33	46	48
COLORADO	884823	1143900	1276500	29.28	44.27	5	7
UTAH	389232	479100	543900	23.09	39.71	15	11
FAR WEST	10212925	12430000	13831700	21.71	35.43		
WASHINGTON	1310755	1515800	1638400	15.64	25.00	40	40
OREGON	792602	971600	1063600	22.58	34.19	17	17
NEVADA	209400	284200	344500	35.72	64.52	3	2
CALIFORNIA	7900168	9658100	10785100	22.25	36.52	18	19
ALASKA	122148	151900	177900	24.36	45.64	13	6
HAWAII	337595	404100	460400	19.70	36.38	29	20

TABLE 2.3 TOTAL PERSONAL INCOME

AREA	TOTAL PERSONAL INCOME *			PERCENT CHANGE			RANK IN PERCENT CHANGE		
	1969	1980	1990	1969-1980	1969-1990	1969-1990	1969-1980	1969-1990	1969-1990
UNITED STATES	691450638	1068496000	1517173000	54.53	119.42				
NEW ENGLAND	43109883	66580000	93422300	54.44	116.71				
MAINE	2801424	3933300	5370800	42.55	91.72		46		45
NEW HAMPSHIRE	2287410	3778000	5387600	65.16	135.53		6		12
VERMONT	1316187	2082800	3019900	58.24	129.44		15		17
MASSACHUSETTS	21135820	33023500	46443100	56.24	119.74		24		26
RHODE ISLAND	3209275	4981900	6945400	55.23	116.42		26		29
CONNECTICUT	12359767	18750300	26255300	51.46	112.43		34		32
MIDWEST	163559525	247199000	343941000	51.14	110.28				
NEW YORK	76180474	111946500	153705000	46.95	101.76		40		40
NEW JERSEY	27350050	43211500	60788000	57.99	122.26		18		22
PENNSYLVANIA	40158250	60754000	83362800	51.29	107.59		35		37
DELAWARE	2163220	3415100	4913500	57.87	127.14		19		19
MARYLAND	13948582	22494300	34234800	61.27	145.44		11		7
DISTRICT OF COLUMBIA	3758949	5377500	6936700	43.06	84.54		45		48
GREAT LAKES	146288792	220314900	307440700	50.60	110.16				
MICHIGAN	3251700	49562000	69602000	49.05	109.32		38		35
OHIO	37446416	56489400	78876900	50.85	110.64		36		33
INDIANA	17537405	26576900	38026800	51.54	116.83		33		28
ILLINOIS	43764301	65787100	91014100	50.32	107.96		37		36
WISCONSIN	14286970	21899300	29920700	53.26	109.40		30		34
PLAINS	52589129	78391700	107891200	49.06	105.16				
MINNESOTA	12477823	19731000	28279000	58.13	126.63		16		21
IOWA	9144198	13367300	17844600	46.18	95.15		41		43
MISSOURI	15141203	23223700	32466500	53.38	114.42		29		30
NORTH DAKOTA	1729720	2280500	2917100	31.84	68.65		51		51
SOUTH DAKOTA	1951621	2608700	3384300	40.89	82.77		48		49
NEBRASKA	4914310	6999900	9502000	42.44	92.30		47		44
NEBRASKA	7330254	10160300	13549200	38.88	84.84		49		47
KANSAS	119964029	197991500	295565600	65.04	146.38				
SOUTHEAST	14342483	23402100	35637700	63.17	148.48		7		5
VIRGINIA	4449653	6809700	9089400	53.04	104.27		31		39
WEST VIRGINIA	8572422	13952600	20519600	62.76	139.37		8		9
KENTUCKY	10398962	17178600	25919800	65.20	149.25		5		4
TENNESSEE	13914788	22503600	33105400	61.72	139.35		10		10
NORTH CAROLINA	6531180	10322000	15126700	58.04	131.61		17		15
SOUTH CAROLINA	13180681	21182400	31940400	60.71	142.33		13		8
GEORGIA	20870791	39988200	63320300	91.60	203.39		1		1
FLORIDA	8563388	13408100	19467200	56.57	127.33		21		18
ALABAMA	4896431	7665900	10849800	56.56	121.59		22		23
MISSISSIPPI	9608108	14202000	19671500	47.81	104.74		39		38
LOUISIANA	49272969	78004300	113664000	58.31	130.63		14		16
ARKANSAS	7295655	11251200	16065700	54.22	120.21		27		25
SOUTHWEST	33953255	53046800	77062500	56.23	126.97		25		20
OKLAHOMA	2695654	4098800	5729600	52.05	112.55		32		31
TEXAS	5328405	9607300	14782300	80.30	177.42		2		2
NEW MEXICO	15007072	23975700	33864400	59.76	125.66		1		1
ARIZONA	2034876	2817200	3653700	38.45	79.55		50		50
ROCKY MOUNTAIN	1995992	2899000	3953700	45.24	98.08		42		41
MONTANA	7048971	12096600	17409700	43.13	86.97		43		46
IDAHO	2885969	4672200	6900300	61.89	139.10		4		6
WYOMING	1041264	1490400	1946800	71.61	146.98		9		11
COLORADO	97634772	149608600	211967000	61.89	139.10		1		1
UTAH	12165099	17407900	24054600	43.10	97.73		44		42
FAR WEST	6685523	10466100	14754000	58.55	120.69		23		24
WASHINGTON	1866191	3230200	5003000	73.09	168.13		3		3
OREGON	76917959	119504300	168154200	54.07	118.62		28		27
NEVADA	1192595	1874600	2794600	57.19	134.33		1		14
CALIFORNIA	2831864	4555200	6645500	60.86	134.67		12		13
ALASKA									
HAWAII									

* Total personal income is measured by place of residence.

TABLE 2.4 PER CAPITA INCOME

AREA	PER CAPITA INCOME *			PERCENT CHANGE		RANK IN PERCENT CHANGE	
	1969	1980	1990	1969-1980	1969-1990	1969-1980	1969-1990
UNITED STATES	3435	4780	6166	39.16	79.51		
NEW ENGLAND	3674	5140	6611	39.90	79.94		
MAINE	2824	4106	5415	45.40	91.75	6	6
NEW HAMPSHIRE	3159	4483	5863	41.91	85.60	22	23
VERMONT	3012	4319	5822	43.39	93.29	16	4
MASSACHUSETTS	3741	5289	6755	40.84	80.57	30	35
RHODE ISLAND	3443	4829	6228	40.26	80.89	15	34
CONNECTICUT	4120	5575	7177	35.32	71.77	47	50
MIDEAST	3884	5382	6877	38.57	77.06		
NEW YORK	4208	5785	7338	37.48	74.38	42	45
NEW JERSEY	3855	5348	6812	38.73	76.71	40	41
PENNSYLVANIA	3420	4803	6214	40.44	81.70	13	32
DELAWARE	4006	5450	6946	36.05	73.39	45	47
MARYLAND	3606	5028	6491	39.43	80.01	38	36
DISTRICT OF COLUMBIA	4933	7170	9249	45.35	87.49	7	15
GREAT LAKES	3666	5007	6447	36.58	75.86		
MICHIGAN	3787	5087	6578	34.33	72.64	51	48
OHIO	3545	4849	6255	36.78	76.45	44	44
INDIANA	3410	4595	5975	34.75	75.22	50	44
ILLINOIS	3965	5441	6971	37.23	75.81	43	43
WISCONSIN	3264	4623	5969	41.64	82.87	25	30
PLAINS	3246	4594	5983	41.53	84.32		
MINNESOTA	3320	4790	6211	44.28	87.08	9	17
IOWA	3260	4588	5963	40.74	82.91	31	29
MISSOURI	3263	4580	5970	40.36	82.96	34	28
NORTH DAKOTA	2785	3941	5177	41.51	85.89	27	22
SOUTH DAKOTA	2772	3986	5227	43.80	88.56	12	12
NEBRASKA	3334	4670	6069	40.07	82.03	36	31
KANSAS	3278	4568	5940	39.35	81.21	39	33
SOUTHEAST	2762	3974	5243	43.88	89.83		
VIRGINIA	3108	4419	5809	42.18	86.90	20	18
WEST VIRGINIA	2548	3717	4926	45.88	93.33	4	3
KENTUCKY	2681	3866	5153	44.20	92.20	10	5
TENNESSEE	2668	3770	4994	41.30	87.18	28	16
NORTH CAROLINA	2766	3923	5152	41.83	86.26	24	21
SOUTH CAROLINA	2541	3662	4845	44.12	90.67	11	9
GEORGIA	2896	4115	5407	42.09	86.71	21	19
FLORIDA	3143	4480	5768	42.54	83.52	18	27
ALABAMA	2489	3579	4759	43.79	91.20	13	7
MISSISSIPPI	2206	3293	4428	49.27	100.73	1	1
LOUISIANA	2655	3793	4997	42.86	88.21	17	13
ARKANSAS	2423	3535	4719	45.89	94.74	3	2
SOUTHWEST	3018	4284	5569	41.95	84.53		
OKLAHOMA	2878	4073	5367	41.52	86.48	26	20
TEXAS	3074	4360	5675	41.83	84.61	23	25
NEW MEXICO	2666	3885	5045	45.72	89.98	5	10
ARIZONA	3068	4316	5473	40.68	78.39	32	38
ROCKY MOUNTAIN	3036	4395	5705	44.76	87.91		
MONTANA	2932	4207	5498	43.49	87.52	15	14
IDAHO	2823	4095	5360	45.06	89.87	8	11
WYOMING	3165	4503	5828	42.27	84.14	19	26
COLORADO	3254	4677	6024	43.73	85.13	14	24
UTAH	2756	4027	5269	46.12	91.18	2	8
FAR WEST	3814	5176	6606	35.70	73.20		
WASHINGTON	3639	4904	6321	34.78	73.70	49	46
OREGON	3242	4483	5815	38.28	79.36	41	37
NEVADA	3888	5247	6578	34.95	69.19	48	51
CALIFORNIA	3902	5290	6731	35.57	72.50	46	49
ALASKA	4029	5625	7145	39.61	77.34	37	40
HAWAII	3811	5374	6790	41.01	78.17	29	39

* Per capita income is measured by place of residence.

TABLE 2.5 TOTAL EARNINGS

AREA	TOTAL EARNINGS *			PERCENT CHANGE			RANK IN PERCENT CHANGE		
	1969	1980	1990	1969-1980	1969-1990	1980-1990	1969-1980	1969-1990	1980-1990
UNITED STATES	556542319	837490000	1176711000	50.48	111.43				
NEW ENGLAND	33737874	50572000	70525800	49.90	109.04				
MAINE	2182934	2982100	3989800	36.61	82.74		47		46
NEW HAMPSHIRE	1709338	2744700	3898800	60.57	128.09		7		12
VERMONT	1050967	1641400	2353100	56.18	123.90		16		15
MASSACHUSETTS	16646004	25179300	35162000	51.26	111.23		25		27
RHODE ISLAND	2509194	3753000	5201800	49.57	107.31		28		30
CONNECTICUT	9639437	14271200	19920900	48.05	106.66		32		31
MIDEAST	130529101	194270700	269936900	48.83	106.86				
NEW YORK	60219844	87324500	119717000	45.01	98.80		19		38
NEW JERSEY	20871781	32877300	46247200	57.50	121.58		12		20
NEW HAMPSHIRE	32330243	47181300	64157300	45.94	98.44		38		39
PENNSYLVANIA	1752167	2770100	3933200	58.10	124.48		10		14
DELAWARE	10443016	16028800	23298700	53.49	123.10		20		16
MARYLAND	4912050	8092500	12583500	64.75	156.18		5		4
DISTRICT OF COLUMBIA	120360705	176858200	243624200	46.94	102.41				
GREAT LAKES	27556343	39854600	55230100	44.63	100.43				
MICHIGAN	31316842	46131500	63486000	47.31	102.72		40		37
OHIO	14741921	21700600	30577300	47.20	107.42		36		34
INDIANA	35318526	52186900	71349400	47.76	102.02		37		29
ILLINOIS	11427073	16984400	22981200	48.63	101.11		33		35
WISCONSIN	41923993	61151200	83371400	45.86	98.86		31		36
PLAINS	10084003	15672500	22214800	55.42	120.30				
MINNESOTA	7136119	10110700	13404800	41.68	87.84		17		21
IOWA	12684430	19916300	26046800	49.13	105.34		42		43
MISSOURI	1351940	1763600	2235500	30.45	85.35		29		44
NORTH DAKOTA	1407458	1959300	2525400	39.21	79.43		51		51
SOUTH DAKOTA	3849445	5366000	7198800	36.40	87.01		46		49
NEBRASKA	5410598	7362400	9745200	39.40	87.01		45		44
KANSAS	96335967	153054000	223879100	58.88	132.39		48		48
SOUTHEAST	11286703	17667100	25905100	56.53	129.52		15		11
VIRGINIA	6808823	10810000	15791200	36.07	80.11		35		41
WEST VIRGINIA	8696784	14023700	20837200	61.25	131.92		8		8
KENTUCKY	11795481	18614200	27106800	57.81	129.81		6		6
TENNESSEE	5512652	8464300	12223700	53.54	121.74		11		10
NORTH CAROLINA	11069660	17420000	25873500	57.37	133.73		19		19
SOUTH CAROLINA	15429494	27695400	42531100	79.50	175.65		14		17
GEORGIA	6971406	10580000	15195500	51.76	117.97		1		1
FLORIDA	3953404	5962800	8361700	50.83	111.51		24		23
ALABAMA	7608255	10948400	15036300	43.90	97.63		26		26
MISSISSIPPI	3611222	5570900	8035800	54.27	122.52		41		40
LOUISIANA	39472872	61001100	8024100	54.54	123.00		19		18
ARKANSAS	5585107	8373500	11993900	49.93	112.96		27		24
SOUTHWEST	27394705	41776900	60077500	52.50	119.30		22		22
OKLAHOMA	2184219	3223500	4456500	47.58	104.03		34		33
TEXAS	4308841	7627100	11596000	77.01	169.12		2		2
NEW MEXICO	12062837	19974500	26509000	57.30	119.76		2		2
ARIZONA	1579176	2144000	2760400	35.77	74.80		49		50
ROCKY MOUNTAIN	1632425	2308700	3113000	41.43	90.70		43		42
MONTANA	822905	1152400	1492000	40.04	81.31		44		47
IDAHOO	5660699	9610300	13666900	69.77	141.43		4		5
WYOMING	2367632	3758800	5476600	58.76	131.31		9		9
COLORADO	78626554	116154000	162980900	47.73	107.28				
UTAH	9831607	13299900	18240800	35.28	85.53		50		45
FAR WEST	5387183	8178700	11412200	51.82	111.84		23		25
WASHINGTON	1625689	2769500	4203700	70.36	158.55		3		3
OREGON	61782075	91905700	129124500	48.76	109.00		30		28
NEVADA	1712700	2486600	3741100	53.36	122.66		21		17
CALIFORNIA	2375608	3741100	5372400	57.48	126.15		13		13
ALASKA									
HAWAII									

* Total earnings are measured by place of work, as are all other earnings data. The difference between total income and total earnings is the sum of property income and transfer payments, less personal contributions for social insurance, plus an implicit commuting adjustment.

TABLE 2.6 EARNINGS IN AGRICULTURE

AREA	EARNINGS IN AGRICULTURE			PERCENT CHANGE		RANK IN PERCENT CHANGE	
	1969	1980	1990	1969-1980	1969-1990	1969-1980	1969-1990
UNITED STATES	19826212	20897000	22562000	5.40	13.80		
NEW ENGLAND	-0	405900	428800	0.00	0.00		
MAINE	-0	95500	101200	0.00	0.00	30	39
NEW HAMPSHIRE	20526	23400	25000	14.00	21.80	9	11
VERMONT	55476	59400	65100	7.07	17.35	16	16
MASSACHUSETTS	106997	108000	112800	0.94	5.42	27	32
RHODE ISLAND	15503	14600	15900	-5.82	2.56	41	37
CONNECTICUT	100645	104700	108700	4.03	8.00	23	26
MIDEAST	1370466	1312500	1398200	-4.23	2.02		
NEW YORK	540156	529800	567900	-1.92	5.14	38	33
NEW JERSEY	153890	142200	143300	-7.60	-6.88	46	49
PENNSYLVANIA	424107	420700	449700	-0.80	6.03	37	29
DELAWARE	68158	50500	54700	-25.91	19.75	50	51
MARYLAND	182455	167900	180700	-7.98	-0.96	48	46
DISTRICT OF COLUMBIA	1700	1200	1700	-29.41	0.00	51	39
GREAT LAKES	2964658	3057400	3255600	3.13	9.81		
MICHIGAN	355810	333300	345300	-6.33	-2.95	43	47
OHIO	483859	513000	546600	6.02	12.97	19	19
INDIANA	637569	587100	633000	-7.92	-0.72	47	45
ILLINOIS	913904	977900	1035200	7.00	13.27	17	18
WISCONSIN	573516	645800	695300	12.60	21.23	10	12
PLAINS	-0	4712000	5144900	0.00	0.00		
MINNESOTA	656424	749700	824800	14.21	25.65	8	8
IOWA	1288061	1210400	1325600	-6.07	2.86	42	36
MISSOURI	581545	639800	685500	10.02	17.88	13	15
NORTH DAKOTA *	-0	344300	381200	0.00	0.00	30	39
SOUTH DAKOTA	373978	433900	486300	16.02	30.03	6	4
NEBRASKA	676350	656200	715800	-2.98	5.83	40	31
KANSAS	558105	677500	725500	21.39	29.99	4	5
SOUTHEAST	-0	525400	5697200	0.00	0.00		
VIRGINIA	255473	259100	266400	1.42	4.28	25	34
WEST VIRGINIA	34860	27500	28300	-21.11	-18.82	49	50
KENTUCKY	473764	517200	566700	9.17	19.62	14	14
TENNESSEE	300063	298800	301400	-0.42	0.45	35	38
NORTH CAROLINA	749629	745300	800900	-0.58	6.84	36	27
SOUTH CAROLINA	201234	211300	226200	5.00	12.41	21	20
GEORGIA	527536	575700	647400	9.13	22.72	15	9
FLORIDA	780266	825400	915500	5.78	17.33	19	17
ALABAMA	341542	334500	362300	-2.06	6.08	39	28
MISSISSIPPI	-0	568000	608000	0.00	0.00	1	1
LOUISIANA	297101	391800	437200	31.87	47.16	1	1
ARKANSAS	492397	500000	536200	1.54	8.90	24	25
SOUTHWEST	2077013	2241400	2390500	7.91	15.09		
OKLAHOMA	331073	394400	420600	19.13	27.04	5	6
TEXAS	1337669	1412400	1494300	5.59	11.71	20	21
NEW MEXICO	149100	172300	187500	15.56	25.75	7	7
ARIZONA	259171	262200	288000	1.17	11.12	26	23
ROCKY MOUNTAIN	949300	1049300	1154500	10.53	21.62		
MONTANA	251843	252700	266800	0.34	5.94	28	30
IDAHO	278216	278500	306900	0.10	10.31	29	24
WYOMING	71582	87900	93600	22.80	30.76	3	3
COLORADO	275111	349100	398300	26.89	44.78	2	2
UTAH	72548	80900	88700	11.51	22.26	11	10
FAR WEST	2603943	2758200	2980800	5.92	14.47		
WASHINGTON	-0	394000	419200	0.00	0.00	30	39
OREGON	225013	209300	215400	-6.98	-4.27	45	48
NEVADA	-0	41900	47500	0.00	0.00	30	39
CALIFORNIA	1916047	2112800	2298600	10.27	19.97	12	13
ALASKA	2137	2000	2200	-6.41	2.95	44	35
HAWAII	97662	102300	108900	4.75	11.51	22	22

* 1969 earnings in agriculture data for North Dakota were not provided by the U. S. Department of Commerce in their 1975 publication. Thus the percentage changes from 1969-80 and 1969-90 could not be calculated. These percentage changes are not zero as indicated in the table.

TABLE 2.7 EARNINGS IN MANUFACTURING

AREA	EARNINGS IN MANUFACTURING			PERCENT CHANGE			RANK IN PERCENT CHANGE		
	1969	1980	1990	1969-1980	1969-1990	1980-1990	1969-1980	1969-1990	1980-1990
UNITED STATES	161773451	219486000	291595000	35.67	80.25				
NEW ENGLAND	11506811	14279600	17891200	24.10	55.48				
MAINE	678302	851200	1087500	25.49	60.33				46
NEW HAMPSHIRE	616500	845200	1090400	37.10	76.87				34
VERMONT	308953	424200	584700	37.30	89.25				33
MASSACHUSETTS	5106220	6323900	7781800	23.85	52.40				49
RHODE ISLAND	832456	1042800	1300500	25.27	56.22				47
CONNECTICUT	3964380	4792000	6046100	20.88	52.51				48
MIDEAST	38754239	49258200	62791200	27.10	62.02				
NEW YORK	15963928	19310300	24115800	20.96	51.06				50
NEW JERSEY	7449743	10016200	13083000	34.45	75.62				37
PENNSYLVANIA	12210054	15683000	19973200	28.44	63.58				45
DELAWARE	734931	1100200	1493000	49.70	103.15				22
MARYLAND	2211233	2858600	3687600	29.28	66.77				44
DISTRICT OF COLUMBIA	184350	289600	438200	57.09	137.70				6
GREAT LAKES	47927811	63744200	83116000	33.00	73.42				
MICHIGAN	12529160	16134000	20936100	28.77	67.10				43
OHIO	13081226	17274100	22439600	32.05	71.54				40
INDIANA	6276760	8686200	11671200	38.39	85.94				33
ILLINOIS	11785092	15946900	20781500	35.31	76.34				35
WISCONSIN	4255573	5702800	7287400	34.01	71.24				41
PLAINS	9912275	14109300	19081800	42.34	92.51				
MINNESOTA	2656541	3840900	5207000	44.58	98.40				26
IOWA	1754470	2490600	3306400	41.96	88.46				32
MISSOURI	3600525	5158200	6957400	43.26	93.23				28
NORTH DAKOTA	59974	101100	136800	68.57	128.10				4
SOUTH DAKOTA	107522	166100	222600	54.48	107.03				19
NEBRASKA	611606	899200	1271000	47.02	107.81				23
KANSAS	1121637	1452900	1916700	29.53	70.88				42
SOUTHEAST	24724491	38242700	546629500	54.68	120.95				
VIRGINIA	2374780	3659100	5238500	54.08	120.59				15
WEST VIRGINIA	1035035	1420700	1823500	37.26	76.18				36
KENTUCKY	1757148	3004900	4420000	71.01	151.54				2
TENNESSEE	2917773	4566500	6598800	56.51	126.16				14
NORTH CAROLINA	3984207	6333100	9101200	58.96	128.43				11
SOUTH CAROLINA	1941206	2865800	4018200	47.63	107.00				20
GEORGIA	2940803	4344300	6176800	47.72	110.04				17
FLORIDA	2342664	3742300	5516500	59.75	135.48				7
ALABAMA	2080265	3008000	4176000	44.60	100.74				24
MISSISSIPPI	1016709	1690500	2432100	66.27	139.21				5
LOUISIANA	1399661	2033200	2787200	45.26	99.13				25
ARKANSAS	934240	1573800	2340000	68.46	150.47				3
SOUTHWEST	7690897	11708300	16773900	52.24	118.10				
OKLAHOMA	952282	1508600	2183500	58.42	129.29				12
TEXAS	5861274	8747200	12437900	49.24	112.20				16
NEW MEXICO	131396	213100	303500	62.18	130.98				8
ARIZONA	745945	1239200	1848800	66.12	147.85				4
ROCKY MOUNTAIN	1810162	2880000	3819400	59.10	111.00				
MONTANA	176677	238900	304600	35.22	72.41				39
IDAHO	270071	395700	534700	46.52	97.98				27
WYOMING	54698	77700	103100	42.05	88.49				31
COLORADO	918081	1588900	2080600	73.07	126.62				13
UTAH	390635	578600	796300	48.12	103.85				21
FAR WEST	19207566	248933500	32990300	29.60	71.76				
WASHINGTON	2573743	2808000	3656400	9.10	42.07				51
OREGON	1424070	2033800	2731100	42.82	91.78				29
NEVADA	68929	119300	178500	73.08	158.96				1
CALIFORNIA	15140824	19932400	26424100	31.65	74.52				38
ALASKA	69514	114800	159100	65.15	128.87				10
HAWAII	169704	255000	342200	50.26	101.65				17

TABLE 2.8 EARNINGS IN GOVERNMENT

AREA	EARNINGS IN GOVERNMENT			PERCENT CHANGE			RANK IN PERCENT CHANGE		
	1969	1980	1990	1969-1980	1969-1990	1980-1990	1969-1980	1969-1990	1980-1990
UNITED STATES	93986132	147017000	216133000	56.42	129.96				
NEW ENGLAND	4765343	7571300	11121600	58.88	133.39				
MAINE	413621	564100	784700	36.38	89.71		51		50
NEW HAMPSHIRE	248814	418600	617000	68.24	147.98		7		9
VERMONT	148227	255900	384600	72.64	159.47		3		4
MASSACHUSETTS	2341628	3756600	5524000	60.43	135.90		17		20
RHODE ISLAND	518598	773200	1125300	49.09	116.99		36		35
CONNECTICUT	1094455	1802600	2685800	64.70	145.40		11		12
MIDEAST	21228085	34180400	50293300	61.01	136.92				
NEW YORK	8758581	14568200	21364700	66.33	143.93		10		13
NEW JERSEY	2809185	4582400	6687400	63.12	138.05		15		17
PENNSYLVANIA	4097577	6406800	9306700	56.36	127.13		24		24
DELAWARE	237928	388600	565200	63.33	137.55		14		18
MARYLAND	2730133	4163900	6280000	52.52	130.03		28		22
DISTRICT OF COLUMBIA	2594681	4070400	6089100	56.87	134.68		23		21
GREAT LAKES	14357274	23924000	35475200	66.63	147.09				
MICHIGAN	3335465	5592400	8381800	67.66	151.29		8		6
OHIO	3575887	5879000	8703100	64.41	143.38		13		15
INDIANA	1669227	2747500	4155300	64.60	148.94		12		7
ILLINOIS	4278218	7168300	10517700	67.55	145.84		9		11
WISCONSIN	1498477	2536600	3717100	69.28	148.06		6		8
PLAINS	6467096	9955500	14236800	53.94	120.14				
MINNESOTA	1405016	2423800	3633900	72.51	158.64		4		5
IOWA	904732	1443800	2029300	59.58	124.30		20		27
MISSOURI	1881472	2849400	4089500	51.45	117.36		29		34
NORTH DAKOTA	307469	420000	555300	36.60	80.60		50		51
SOUTH DAKOTA	288047	432200	586200	50.04	103.51		33		44
NEBRASKA	629640	948300	1707900	50.61	107.72		31		41
KANSAS	1050720	1437600	2034500	36.82	93.63		49		49
SOUTHEAST	19335006	29300500	43816800	51.54	126.62				
VIRGINIA	3595067	5099300	7380700	41.84	105.30		46		43
WEST VIRGINIA	496025	782900	1116000	57.83	124.99		22		26
KENTUCKY	1261906	1856900	2771600	47.15	119.64		40		29
TENNESSEE	1377838	2209000	3405900	60.32	147.19		19		10
NORTH CAROLINA	2099839	3098300	4599300	47.55	119.03		39		31
SOUTH CAROLINA	1176361	1714900	2489400	45.78	111.62		42		37
GEORGIA	2261686	3253900	4963700	43.87	119.47		43		30
FLORIDA	2918838	5145100	8112400	76.27	177.93		1		1
ALABAMA	1468083	2254000	3317200	53.53	125.95		27		25
MISSISSIPPI	794883	1096400	1611200	37.93	102.70		48		45
LOUISIANA	1346476	1932000	2764700	43.49	105.33		44		42
ARKANSAS	538004	857300	1284000	59.35	138.66		21		16
SOUTHWEST	7980447	12061600	17628900	51.14	123.41				
OKLAHOMA	1300986	1904100	2804300	46.36	115.55		41		36
TEXAS	5099145	7615500	11199900	49.35	119.64		35		28
NEW MEXICO	662851	933900	1318100	40.89	98.85		47		48
ARIZONA	917465	1608000	2506400	75.27	173.19		2		2
ROCKY MOUNTAIN	2782589	4326100	6300100	55.47	126.41				
MONTANA	325427	492300	767600	51.28	107.94		30		40
IDAHO	277633	426600	606700	53.66	118.53		26		32
WYOMING	188787	282300	382500	49.53	102.61		34		46
COLORADO	1343995	2087100	3057800	55.29	127.52		25		23
UTAH	646747	1037500	1576200	60.42	143.71		18		14
FAR WEST	15769485	23762600	34312800	50.68	117.58				
WASHINGTON	2084149	2988700	4196600	43.40	101.36		45		47
OREGON	885200	1443300	2091000	63.05	136.22		16		19
NEVADA	310001	530300	836800	71.06	169.93		5		3
CALIFORNIA	12490635	18800200	27188400	50.51	117.67		32		33
ALASKA	488052	723900	1026000	48.32	110.22		38		39
HAWAII	814265	1210500	1721000	48.66	111.36		37		38

TABLE 2.9 EARNINGS IN FEDERAL GOVERNMENT

AREA	EARNINGS IN FEDERAL GOVERNMENT			PERCENT CHANGE 1969-1980	RANK IN PERCENT CHANGE 1969-1980	PERCENT CHANGE 1969-1990	RANK IN PERCENT CHANGE 1969-1990
	1969	1980	1990				
UNITED STATES	23831435	36388000	52201000	52.69	I	119.04	I
NEW ENGLAND	1047770	1563200	2212900	49.19	I	111.20	I
MAINE	125804	162100	218700	28.85	I	73.84	I
NEW HAMPSHIRE	51278	86600	125500	88.88	I	144.74	I
VERMONT	28632	51100	73900	78.47	I	158.10	I
MASSACHUSETTS	546304	787500	1101000	44.15	I	101.54	I
RHODE ISLAND	128887	216000	319700	67.59	I	148.05	I
CONNECTICUT	166865	259600	373800	55.57	I	124.01	I
MIDDLEAST	6464959	9892900	14308000	53.02	I	121.32	I
NEW YORK	1462549	2194100	3083400	50.02	I	110.82	I
NEW JERSEY	586277	932800	1377000	59.11	I	134.87	I
PENNSYLVANIA	1185281	1698600	2345200	43.31	I	97.86	I
DELAWARE	39297	66900	100800	70.24	I	156.51	I
MARYLAND	1099036	1755100	2642600	59.69	I	140.45	I
DISTRICT OF COLUMBIA	2092519	3245200	4758900	55.09	I	127.42	I
GREAT LAKES	2826278	4343600	6209700	53.69	I	119.71	I
MICHIGAN	450197	712700	1051300	58.31	I	133.52	I
OHIO	902968	1385100	1966800	53.39	I	117.82	I
INDIANA	347590	538400	778900	54.90	I	124.09	I
ILLINOIS	929779	1387800	1958700	49.26	I	110.66	I
WISCONSIN	195744	319300	453800	63.12	I	131.83	I
PLAINS	1413192	2102300	2897000	48.76	I	105.00	I
MINNESOTA	244995	393400	578500	60.57	I	136.13	I
IOWA	145089	232800	319800	60.45	I	120.42	I
MISSOURI	569859	829300	1129600	45.53	I	98.22	I
NORTH DAKOTA	63614	84100	106300	32.20	I	67.10	I
SOUTH DAKOTA	72111	109600	146600	51.99	I	103.30	I
NEBRASKA	131583	192400	261800	46.22	I	98.96	I
KANSAS	185941	260400	354200	40.04	I	90.49	I
SOUTHEAST	5034874	7831600	11409900	55.55	I	126.62	I
VIRGINIA	1380453	2114600	3044400	53.18	I	120.54	I
WEST VIRGINIA	97288	147200	203400	51.30	I	109.07	I
KENTUCKY	302154	470700	693000	55.78	I	129.35	I
TENNESSEE	371925	612000	892600	64.55	I	139.99	I
NORTH CAROLINA	320853	506900	745400	57.99	I	132.32	I
SOUTH CAROLINA	254832	371400	518000	45.74	I	103.27	I
GEORGIA	622189	952600	1416400	53.10	I	127.65	I
FLORIDA	624594	1052500	1608500	68.51	I	157.53	I
ALABAMA	519802	812800	1172900	56.37	I	125.64	I
MISSISSIPPI	173862	239800	337600	37.93	I	94.18	I
LOUISIANA	232719	346500	488000	48.89	I	109.69	I
ARKANSAS	134203	203900	289000	51.93	I	115.35	I
SOUTHWEST	2151225	3315300	4819500	54.11	I	124.04	I
OKLAHOMA	453069	693600	1013400	53.09	I	123.67	I
TEXAS	1265670	1936900	2800100	53.03	I	121.23	I
NEW MEXICO	217843	304200	412500	39.64	I	89.36	I
ARIZONA	214643	360400	593400	77.22	I	176.46	I
ROCKY MOUNTAIN	905268	1420200	2071400	56.88	I	128.82	I
MONTANA	88754	129800	174400	46.25	I	96.50	I
IDAHO	75369	113900	160800	51.12	I	113.35	I
WYOMING	46065	68600	92300	48.92	I	100.37	I
COLORADO	367176	585900	857000	59.57	I	133.40	I
UTAH	327904	521800	786800	59.13	I	139.95	I
FAR WEST	3540965	5272800	7386200	48.91	I	108.59	I
WASHINGTON	493489	678200	881600	37.43	I	75.65	I
OREGON	211740	330400	460600	56.04	I	117.53	I
NEVADA	76172	128300	192300	68.43	I	152.45	I
CALIFORNIA	2759564	4135700	5851600	49.87	I	112.05	I
ALASKA	159329	213300	289700	37.01	I	81.83	I
HAWAII	27564	427500	596100	48.66	I	107.29	I

TABLE 2.10 EARNINGS IN STATE AND LOCAL GOVERNMENT

AREA	EARNINGS IN STATE AND LOCAL GOVERNMENT			PERCENT CHANGE 1969-1980	RANK IN PERCENT CHANGE 1969-1980
	1969	1980	1990		
UNITED STATES					
NEW ENGLAND					
MAINE	54685301	95159000	144239000	74.01	163.76
NEW HAMPSHIRE	3050035	5318600	8029900	74.38	163.27
VERMONT	218330	324600	467500	48.67	114.13
MASSACHUSETTS	149745	275800	420100	84.18	180.54
RHODE ISLAND	109946	193800	296500	76.27	169.68
CONNECTICUT	1523743	2700400	4082000	77.22	167.89
MIDEAST					
NEW YORK	824908	397800	602600	78.10	169.79
NEW JERSEY	12940613	1426000	2160900	72.87	161.96
PENNSYLVANIA	6890278	22418100	33606500	73.24	159.70
DELAWARE	1811002	11966900	17763100	73.68	157.80
MARYLAND	2656336	4451900	6635300	67.60	162.38
DISTRICT OF COLUMBIA	141584	264400	390000	86.74	175.45
GREAT LAKES					
MICHIGAN	1114043	1886100	2973300	69.30	166.89
OHIO	327370	638800	1093000	95.13	233.87
INDIANA	10491284	18299400	27936700	76.62	166.28
ILLINOIS	2703413	4689400	7088400	73.46	162.20
WISCONSIN	2403076	4211800	6377100	75.27	165.37
PLAINS					
MINNESOTA	1206428	2093100	3228900	73.50	167.64
IOWA	2937232	5389700	8071800	83.50	174.81
MISSOURI	1241135	2145200	3170300	72.84	155.44
NORTH DAKOTA	4157631	6913700	10134700	66.29	143.76
SOUTH DAKOTA	1088635	1957400	2964300	79.80	172.30
NEBRASKA	724311	1169900	1656900	61.52	128.76
KANSAS	1034109	1709600	2536100	65.32	145.24
SOUTHEAST					
VIRGINIA	158914	238500	324200	50.08	104.01
WEST VIRGINIA	171200	267700	369700	56.37	115.95
KENTUCKY	394222	638200	896300	61.89	127.36
TENNESSEE	586240	932200	1386800	59.01	136.56
NORTH CAROLINA	9258021	16558200	26156200	78.85	182.52
SOUTH CAROLINA	1083842	1861600	2908300	71.76	168.33
FLORIDA	368214	601900	869500	63.46	136.14
ALABAMA	621732	1070700	1677100	70.21	169.75
MISSISSIPPI	833749	1445400	2320300	73.36	178.30
LOUISIANA	1077985	1915600	2992300	77.70	177.58
APKANSAS	467349	873900	1373700	86.99	193.93
SOUTHWEST					
OKLAHOMA	936044	1734600	2826000	85.31	201.91
TEXAS	1629845	3374100	5589400	107.02	242.94
NEW MEXICO	653818	1123600	1742800	71.85	166.56
ARIZONA	413327	682000	1048100	65.00	153.58
ROCKY MOUNTAIN					
MONTANA	850116	1320800	1940100	55.37	128.22
IDaho	322000	553600	868100	71.93	169.60
WYOHING	3785089	6648500	10339000	75.65	173.15
COLORADO	547707	929400	1433200	69.69	161.67
UTAH	2413890	4206400	6526400	74.26	170.37
FAR WEST					
WASHINGTOn	323933	519000	764100	60.22	135.94
OREGOn	499559	923400	1615000	98.86	223.29
NEVADA	1355448	2383300	3563700	75.83	162.92
CALIFORNIA	186696	309800	435100	65.94	133.05
ALASKA	16273	267900	388700	64.59	138.80
HAWAII	113144	179200	246400	58.38	117.78
	620917	1158900	1765100	86.64	184.27
	271918	467400	728100	71.89	167.76
	9250031	15578900	23221300	68.42	151.04
	1120572	1866400	2750000	66.56	145.41
	623645	1067700	1572900	71.20	152.21
	169624	330800	553700	95.02	226.43
	7336190	12313800	18344500	67.85	150.05
	139211	304500	480300	118.73	245.02
	257923	504300	770200	95.52	198.62