

# MAINE STATE LEGISLATURE

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MAINE DEPARTMENT OF  
**LABOR**

BUREAU OF LABOR STANDARDS

Research and Statistics Division

**Census  
of  
Maine  
Manufactures  
1990**



BLS 634  
FEB 1992

John R. McKernan, Jr  
*Governor*



Charles A. Morrison  
*Commissioner*

James H. McGowan  
*Director*

**DEPARTMENT OF LABOR**  
Bureau of Labor Standards  
Research & Statistics Division

**AUTHORIZATION**

Maine Revised Statutes 1964, Title 26, ~~SS~~ 42, 43, 46: "The Bureau shall collect, assort and arrange statistical details relating to .... industrial pursuits in the State. He (the Director) may .... cause to be printed and distributed bulletins .... that shall be of public interest and benefit to the State."

**COVERAGE**

This survey, insofar as possible, is of universal coverage for Maine manufacturing establishments ranging from the single proprietorships to the largest corporations. Reports covering 2,546 establishments were received since the original mailing in April of 1991. Of these, 153 either did not operate or went out of business during 1990. Final tabulations, according to major breakdown, will appear as usual in the next Census. These tabulations will include any late reports which are not included in this Census.

Taking into consideration the nature of the Maine economy and the extent of coverage in this survey, the data contained in the Census of Maine Manufactures 1990 represent a comprehensive and valid statistical analysis of the Maine manufacturing economy.

James H. McGowan  
Director  
Bureau of Labor Standards

**C E N S U S   O F   M A I N E   M A N U F A C T U R E S   -   1 9 9 0**

BLS Bulletin 634

## **CENSUS OF MAINE MANUFACTURES**

**1990**

The Research and Statistics Division of the Bureau of Labor Standards gratefully appreciates the contributions made by others toward this publication.

Thanks are due:

To Maine's manufacturing businesses for their cooperation in the collection of Census data, which makes this publication possible;

To the staff of the Bureau of Employment Security's Division of Economic Analysis and Research for their cooperation in providing the employment and wage data herein.

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# CENSUS OF MAINE MANUFACTURES

1990

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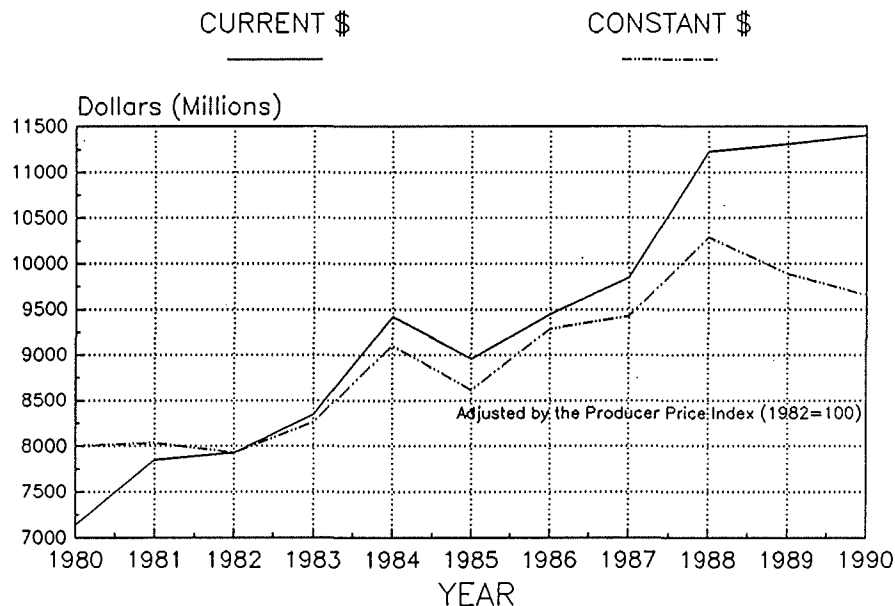


## Maine Production Value

Maine's gross value of manufacturing product increased slightly to \$11,406.0 million in 1990. After large increases in 1986, 1987, and 1988, Maine's gross value of product growth slowed to only 0.4 percent in 1989 and 0.9 percent in 1990. This can be attributed to the slow down of the economy after a period of growth in the mid-eighties. In constant dollars (using the Producer Price Index as a deflator), the value of Maine manufactures dropped 2.4 percent. (See Appendix F.)

Figure 1.

### Value of Manufactured Product in Current and Constant Dollars Maine 1980-1990

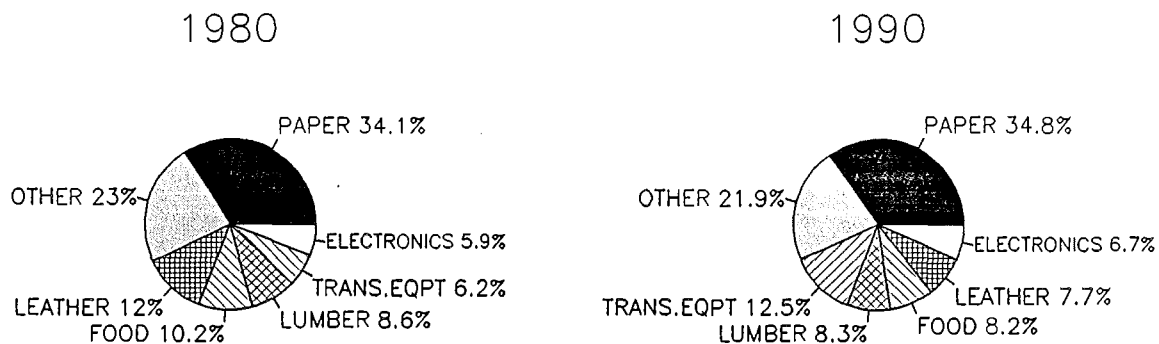


The gross value of product for Durable Goods rose 2.1 percent in 1990. This was due mainly to the Transportation Equipment group which increased \$101.5 million (7.6%); Electronic and Other Electrical Equipment group which rose \$31.9 million (4.4%); and the Fabricated Metal Products group which increased \$21.3 million (9.0%).

Offsetting these gains were losses in the Industrial and Commercial Machinery group which decreased \$32.6 million (7.6%); the Lumber and Wood group which fell \$26.2 million (2.7%); and the Stone, Clay and Glass group which decreased \$13.4 million (9.5%).

Nondurable Goods increased only 0.2 percent over 1989 due to offsetting gains and losses in the industries comprising the Nondurable Goods group. Substantial dollar increases occurred in the Food group which increased \$77.9 million (9.1%) and the Chemicals group which rose \$17.3 million (10.3%). Offsetting these increases were decreases in the Paper group which fell \$53.2 million (1.3%) and the Textile group which decreased \$26.3 million (6.2%).

Figure 2. Value of Manufactured Product, Percentage by Major Industry Group Maine 1980 & 1990



The Paper industry, which continues to dominate the State's value of product, had a \$3,971.6 million share of the manufacturing value in 1990. This was, however, a decrease of 1.3 percent from 1989 but still gave Paper a 34.8 percent share in overall product value.

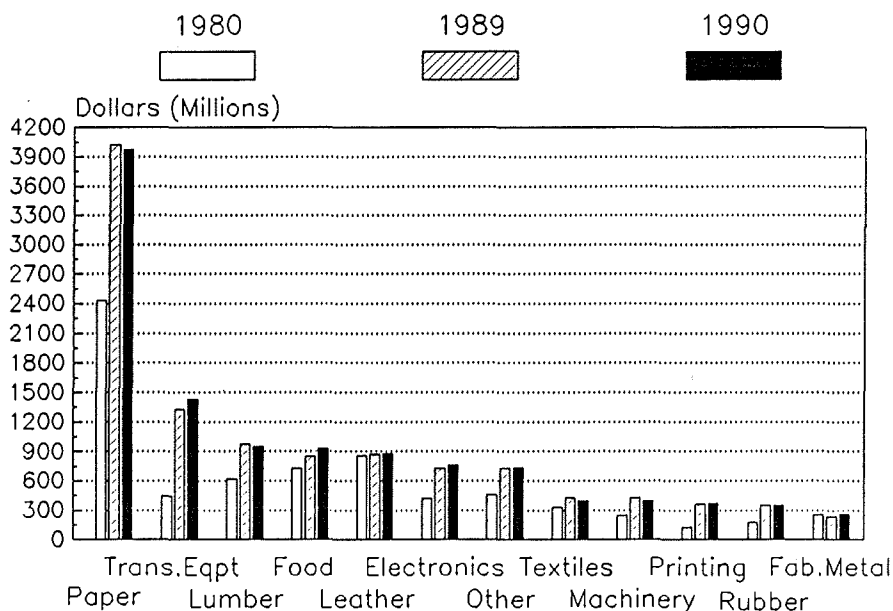
The Transportation Equipment group, the second highest industry in terms of value of product rose 7.6 percent to \$1,429.2 million in 1990. The Lumber & Wood Products group placed third behind the Transportation Equipment group with a \$947.5 million share of the manufacturing value decreasing 2.7 percent.

The industries that experienced the largest percent gains in value of product in 1990 were Petroleum and Coal Products, Precision Instruments, Chemicals, and Food with increases of 38.7 percent, 14.8 percent, 10.3 percent, and 9.1 percent, respectively.

The industries with the largest percent decreases in value of product were the Miscellaneous, Stone, Clay & Glass; and Apparel groups with drops of 10.0 percent, 9.5 percent, and 7.9 percent, respectively.

Figure 3.

Value of Manufactured Product  
by Major Industry Group  
Maine 1980, 1989 & 1990



## Manufacturing Employment

Employment in Maine manufacturing decreased for the second consecutive year falling 5.5 percent, from 105,516 workers in 1989 to 99,682 in 1990. Employment in Durable Goods dropped 6.3 percent to 45,880 employees while employment in Nondurable Goods dropped 4.9 percent to 53,802. This decrease was widespread throughout all the manufacturing industries and cannot be attributed to any one industry in manufacturing. However, the highest losses occurred in Leather, Lumber & Wood Products, and Electronic Equipment Except Computers and Textiles with losses of 1,587 (-13.7%), 1,501 (-12.4%), 976 (-10.3%), and 521 (-8.8%), respectively.

Figure 4.

Manufacturing Employment  
Maine 1980-1990



There were no substantial employment gains in any of the major industrial groups during 1990. The Paper industry continued to be the largest employer with 17,454 employees or a 17.5 percent share of the overall manufacturing employment. Transportation Equipment employed 15,296 workers (15.3%) followed by Lumber & Wood Products which employed 10,576 workers (10.6%).

Figure 5.

Manufacturing Employment, Percentage  
by Major Industry Group  
Maine 1980 & 1990

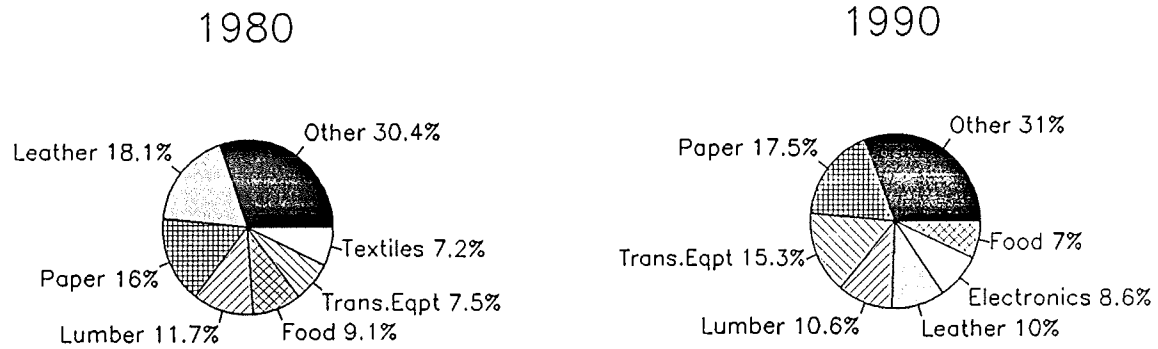
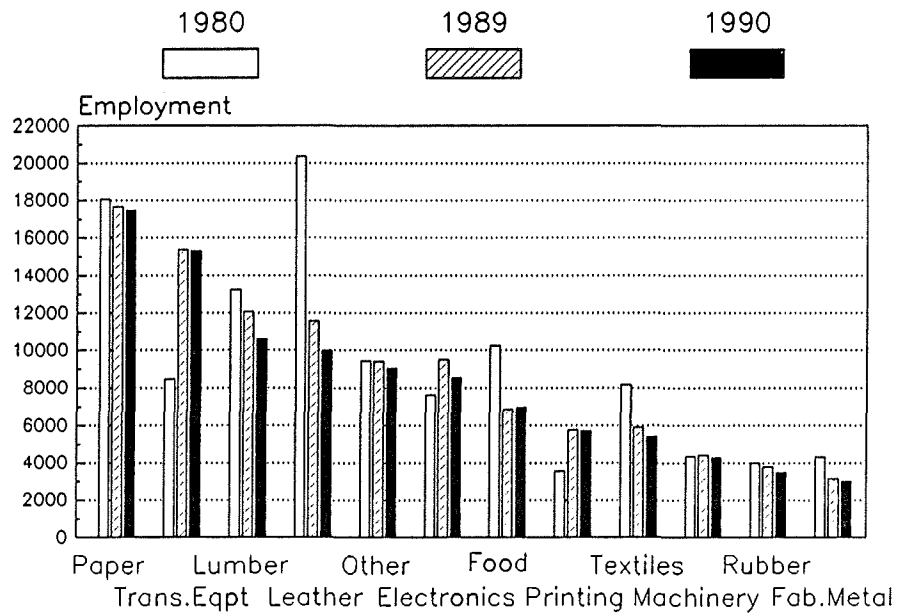


Figure 6.

Manufacturing Employment  
by Major Industry Group  
Maine 1980, 1989 & 1990



The breakdown of employment by sex reveals that the employment of males in 1990 made up 69.3 percent (69,041 employees) of Maine's manufacturing employment while females made up 30.7 percent (30,641 employees). Employment of males decreased in 1990 by 4.4 percent (3,177) while employment of females decreased 8.0 percent (2,657).

### **Union Coverage**

The number of unionized manufacturing workers in Maine fell 3.1 percent in 1990 to 29,137 members. This was due mainly to decreases in the Transportation Equipment, Printing and Publishing, and Primary Metals groups which lost 404, 163 and 129 employees respectively.

The percentage of manufacturing workers who were unionized in 1990 increased slightly to 29.2 percent of the overall manufacturing employment. This was down from 1980 when 32.2 percent of the manufacturing workers were organized.

Of all unionized manufacturing workers in the state, 43.2 percent (12,596 of 17,454) were in the Paper industry. This industry also had the highest reported proportion of unionization with 72.2 percent of all paper workers covered.

The Transportation Equipment and Lumber & Wood Products groups followed with a 28.4 percent (8,271 of 99,682) and 5.9 percent share (1,719 of 99,682), respectively, of all unionized manufacturing workers.

Figure 7.

Manufacturing Employment  
Percentage Covered by Union Contracts  
Maine 1980 & 1990

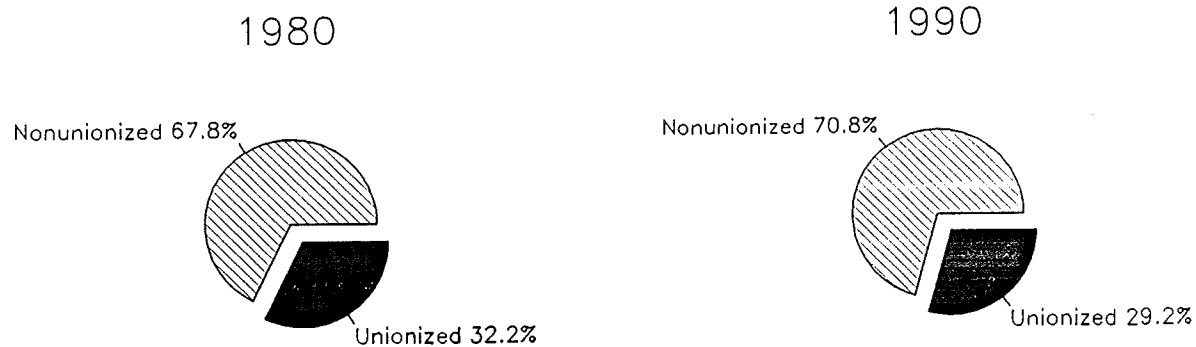
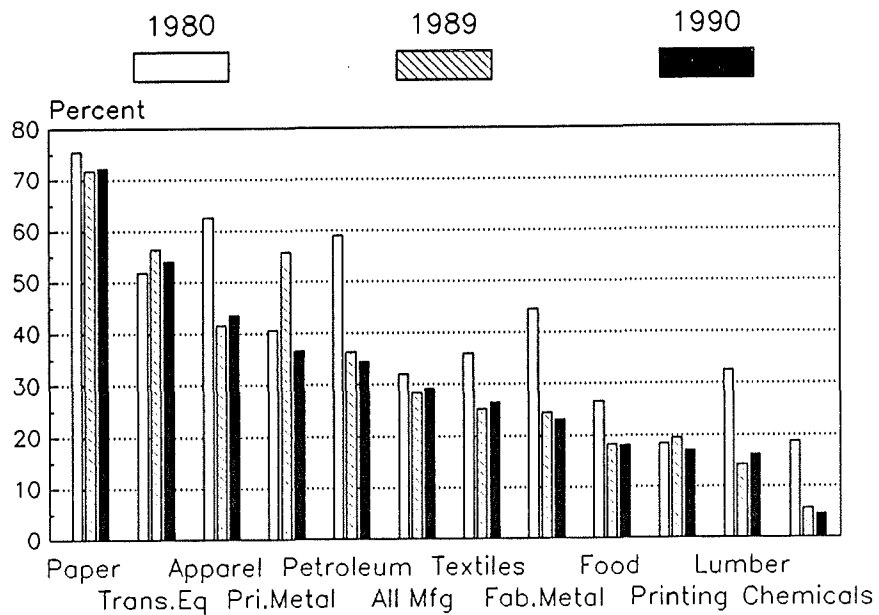


Figure 8.

Manufacturing Employment by Major Industry  
Group, Percentage Covered by Union Contracts  
Maine 1980, 1989 & 1990



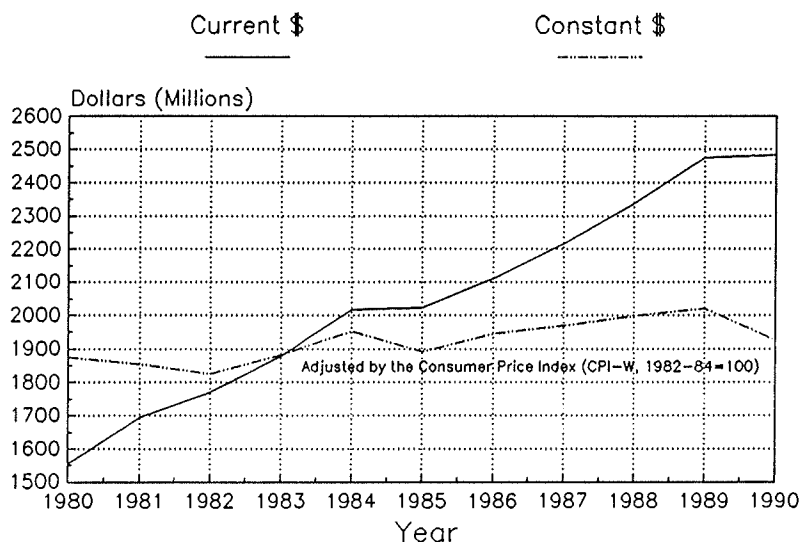
## Gross Wages

Gross wages in Maine manufacturing increased slightly by 0.3 percent from \$2,476.6 million to \$2,483.2 million in 1990. The Paper industry accounted for 26.0 percent of the overall manufacturing wages in the state, paying out \$646.3 million in gross wages which was the highest of any manufacturing industry and was an increase of 2.5 percent over 1989. The Transportation Equipment and Electronic and Other Electrical Equipment Industries followed with \$442.7 million and \$213.7 million paid, and accounted for 17.8 percent and 8.6 percent, respectively, of the overall gross wages paid..

Significant dollar increases in gross wages in 1990 occurred in Transportation Equipment which increased \$36.2 million (8.9%) and Paper, which rose \$15.8 million (2.5%). Significant decreases occurred in Lumber & Wood Products which decreased \$22.0 million (9.9%); Leather, which fell \$16.1 million (8.8%); and Electronic Equipment Except Computers, which decreased \$9.4 million (4.2%).

Figure 9.

### Gross Manufacturing Wages in Current and Constant Dollars Maine 1980-1990

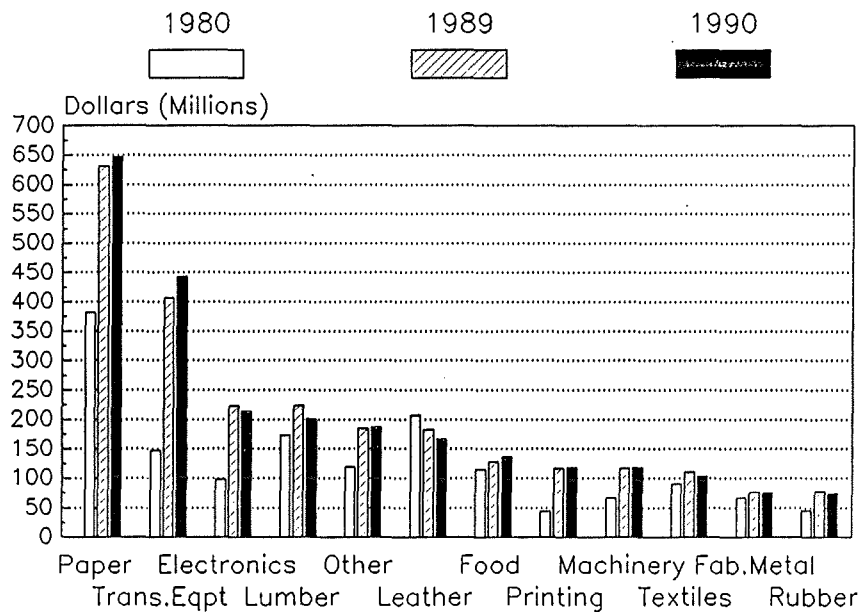




The changes in gross wages for manufacturing in 1990, in most cases, correspond to changes in employment. In 1990, the three industries that had the effect of keeping the gross wages level were Leather, Lumber & Wood Products, and Electronic Equipment Except Computers. One exception was Transportation Equipment which showed a slight drop in employment of 86 but a strong increase in gross wages of \$36 million which means a healthy increase in average wages for this industry.

Figure 10.

Gross Manufacturing Wages  
by Major Industry Group  
Maine 1980, 1989 & 1990

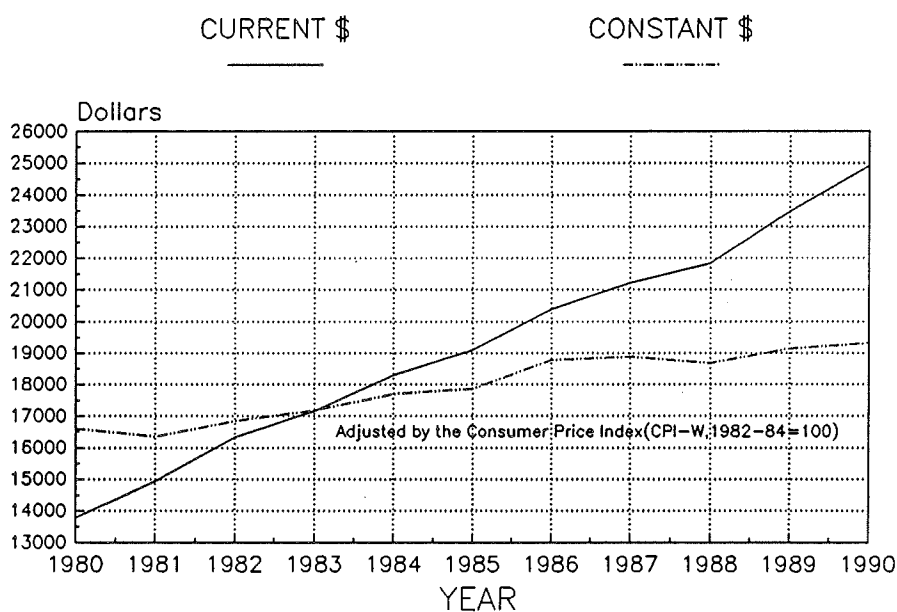


### Average Wages

The average yearly wage for Maine manufacturing workers increased by \$1,440. (6.1 percent) to \$24,911. in 1990. By comparison, the annual average Consumer Price Index rose 5.2 percent between 1989 and 1990. (See Appendix F.) As a result, Maine manufacturing workers had a 0.9 percent increase in buying power.

Figure 11.

#### Average Manufacturing Wages in Current and Constant Dollars Maine 1980-1990



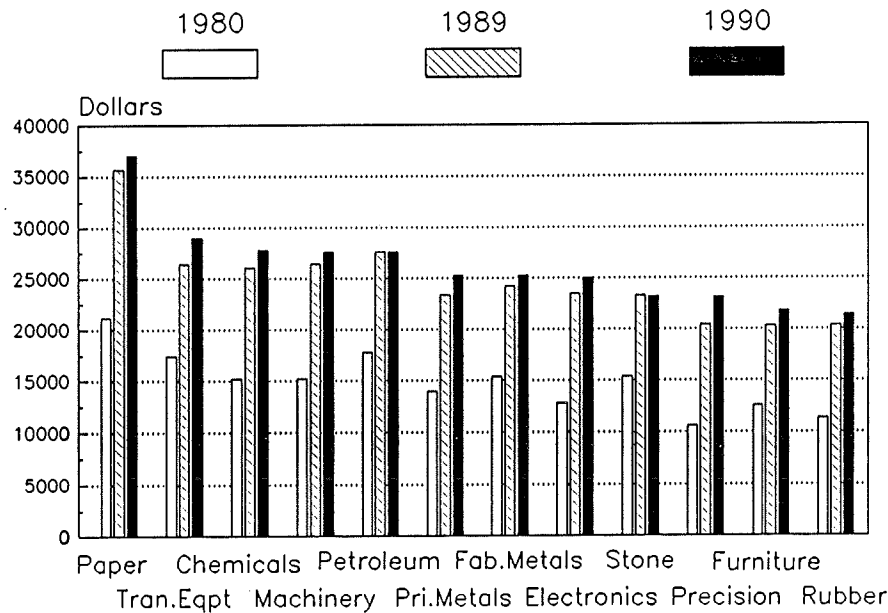
The Paper industry paid out the highest reported average wage, \$37,031.00, which was 148.7 percent of the Maine manufacturing average for 1990. The Apparel industry paid out the lowest average wage, \$15,167.00, or 60.9 percent of the overall average.

The highest percent increases in average wages for the year occurred in the Precision Instruments, Transportation Equipment, and Primary Metals groups which rose 13.4 percent (\$2,737), 9.5 percent (\$2,512), and 8.3 percent (\$1,931), respectively.

The only industry to suffer a drop in average wage was the Stone, Clay & Glass group, 0.6 percent (\$129.00) and the Petroleum and Coal Products group showed virtually no change from 1989.

Figure 12.

Average Manufacturing Wages  
by Major Industry Group  
Maine 1980, 1989 & 1990



### **Capital Expenditures**

Capital expenditures for 1990 were down 10.7 percent to \$785.3 million in 1989 which is a decrease of \$93.9 million.

Capital expenditures for Durable Goods rose 2.6 percent from 1989 to \$163.7 million in 1990. This was due largely to the \$4.8 million increase in expenditures of the Fabricated Metals group (141.4%) followed by Stone, Clay and Glass which rose \$1.6 million ( 22.6%), Industrial and Commercial Machinery which increased \$1.1 million (8.3%), and Lumber and Wood Products which increased \$1.9 million (4.2%).

The largest decreases in capital expenditures for Durable Goods occurred mostly in the Transportation Equipment group which fell \$2.3 million (5.1%) and the Electronic Equipment Except Computers group which decreased \$1.7 million (4.2%).

Capital expenditures for Nondurable Goods fell 13.6 percent to \$621.5 million in 1990. Seven of the ten industries in this category showed decreases with Printing & Publishing and Paper leading the field with \$41.1 million (76.3%) and \$31.8 million (5.6%), respectively.

The three industries that showed increases in capital expenditures were Miscellaneous Manufacturing, Leather, and Apparel groups with increases of \$368,768 (67.1%), \$366,778 (4.4%), and \$130,660 (1.4%), respectively.

Figure 13.

Capital Expenditures in Manufacturing  
in Current and Constant Dollars  
Maine 1980-1990

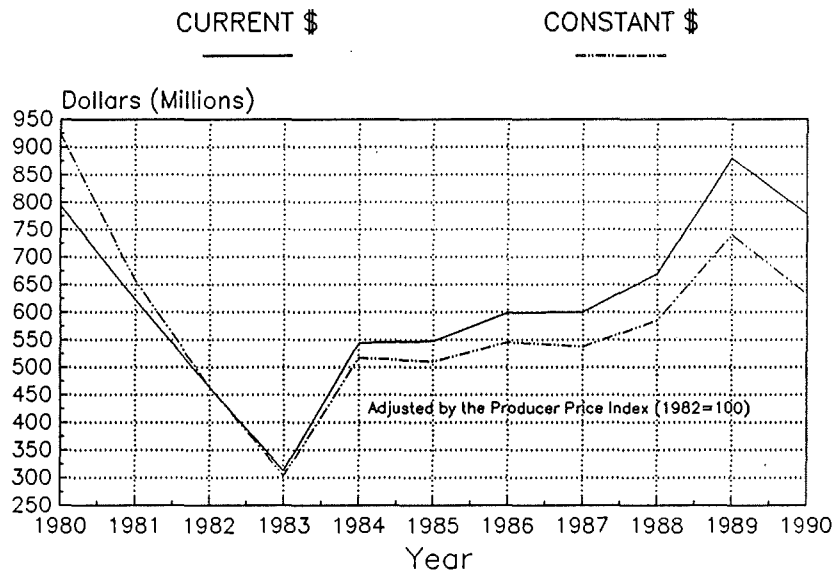
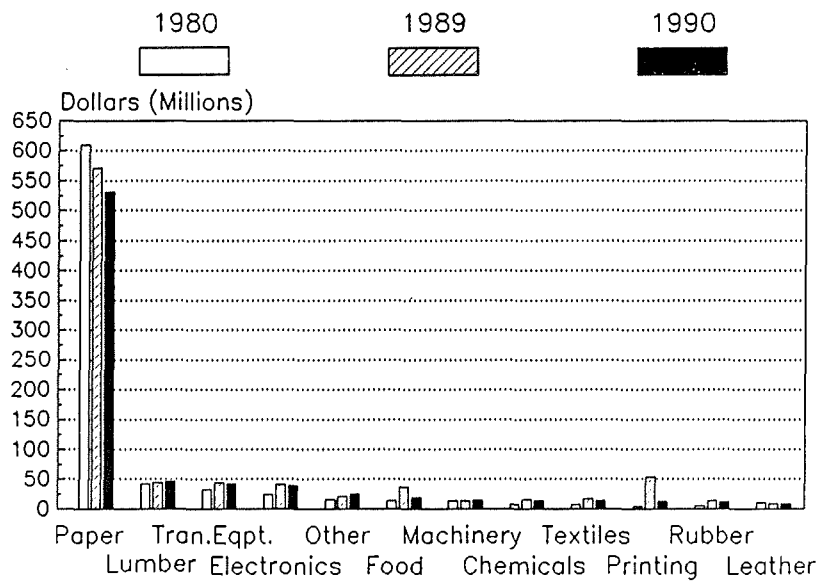


Figure 14.

Capital Expenditures in Manufacturing  
by Major Industry Group  
Maine 1980, 1989 & 1990



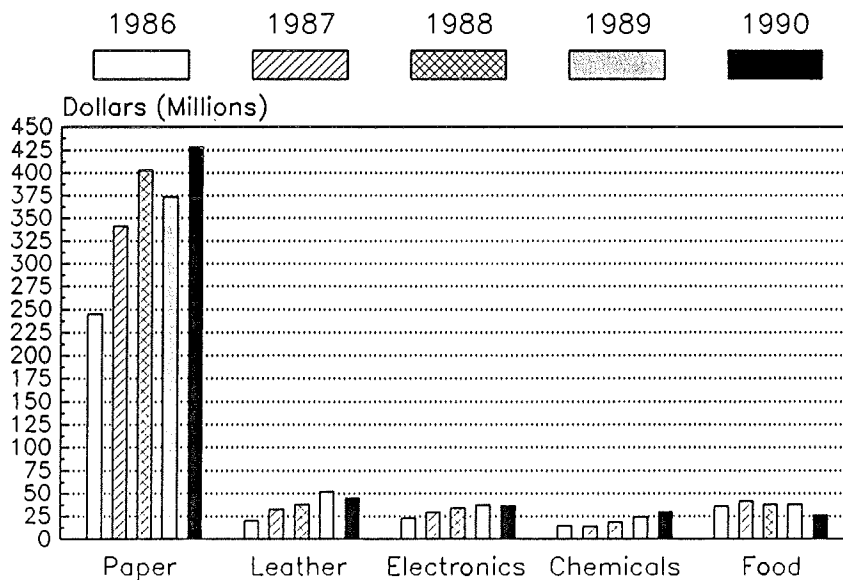
## Foreign Imports

Imports used in the manufacturing process in 1990 decreased for the first time since 1986, falling 1.6 percent (\$10.5 million). The largest decrease was in the Industrial and Commercial Machinery group, falling 83.0 percent (\$27.6 million). The Food, Apparel and Textiles groups all had substantial reductions in import spending, 92.0 percent (\$12.0 million), 32.0 percent (\$12.3 million), and 31.5 percent (\$10.7 million), respectively.

The Paper industry, again, led all manufacturing industries in imports in 1990 accounting for 66.4 percent of all imported materials used in manufacturing. Following Paper was the Leather Group and Electronic Equipment Except Computers group which had a 6.9 percent and 5.7 percent share of the total dollar amount spent on imports, respectively.

Figure 15.

Imports Used in Manufacturing  
by Major Industry Group  
Maine 1986-1990

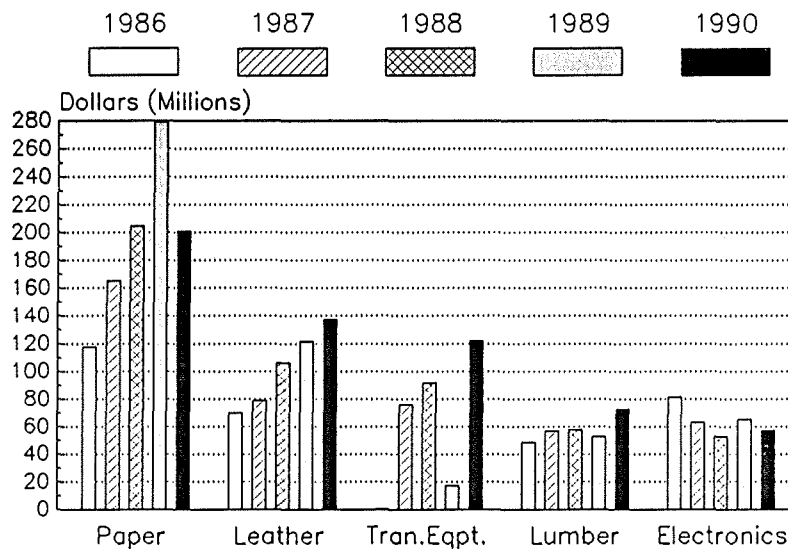


## Foreign Exports

Exports to other countries by Maine manufacturers in 1990 amounted to \$763.0 million, a 13.5 percent increase from 1989. This change was due mainly to the Durable Goods group, where 6 of 9 industries had increases. In particular, Transportation Equipment rose 613.9 percent from \$17.1 million in 1989 to \$122.2 million in 1990. Other industries of note are Lumber & Wood Products with an increase of \$20.0 million and Fabricated Metals with an increase of \$6.0 million in goods shipped outside the U.S. On the other hand, Nondurable Goods industries showed an overall decrease of 8.0 percent for exports although six of nine industries showed increases in 1990. The decrease was due primarily to a \$73.2 million decrease in Paper industry exports. Other notable changes occurred in Leather with an increase of \$15.9 million and in Textiles with an increase of \$10.3 million in exports. Figure 16 illustrates the five leading industries in exports in 1990 to locations outside the U.S.

Figure 16.

Manufactured Exports  
by Major Industry Group  
Maine 1989-1990



### Value of Manufacturing Product by County Group

For 1990, the I-95 Corridor remained the top producing area. (See Table 4.) It contained the three counties in Maine that recorded over one billion dollars in manufactured product, Cumberland (\$1.62 billion), Penobscot (\$1.55 billion), and York (\$1.54 billion), which, combined with Androscoggin, Kennebec and Sagadahoc counties, contributed \$7 billion for this area.

Following the I-95 Corridor was the Western group of counties, which totaled \$2.26 billion in product value even though experiencing a 4.5 percent (\$105.5 million) drop from 1989.

The greatest percent increase in 1990 occurred in the Northern area, with an 11.8 percent (\$90.5 million) increase after a 13.7% decrease in 1989.

Since 1980, the areas with the largest increases in product value were the Western area (64.9%), the I-95 Corridor (61.6%), and the Eastern area (60.9%).

Figure 17.

Value of Manufactured Product  
by County Group  
Maine 1980, 1989 & 1990

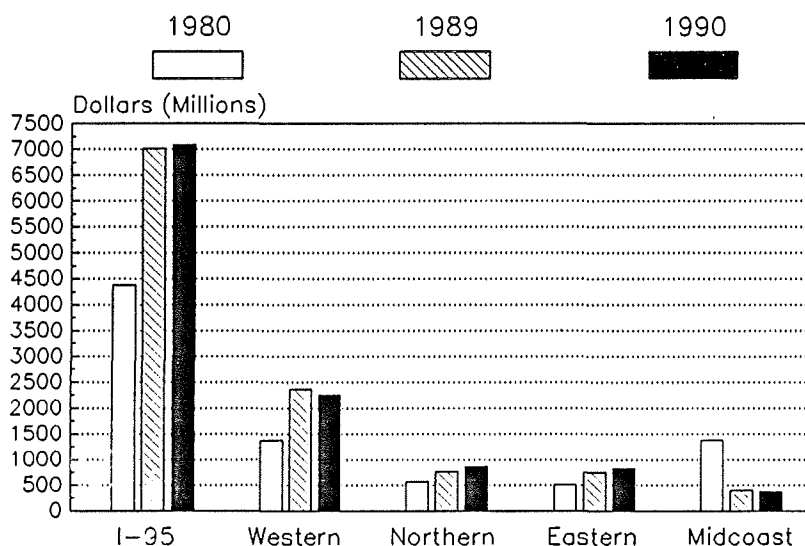




Figure 18.

Value of Manufactured Product Index  
by County Group  
Maine 1980-1990

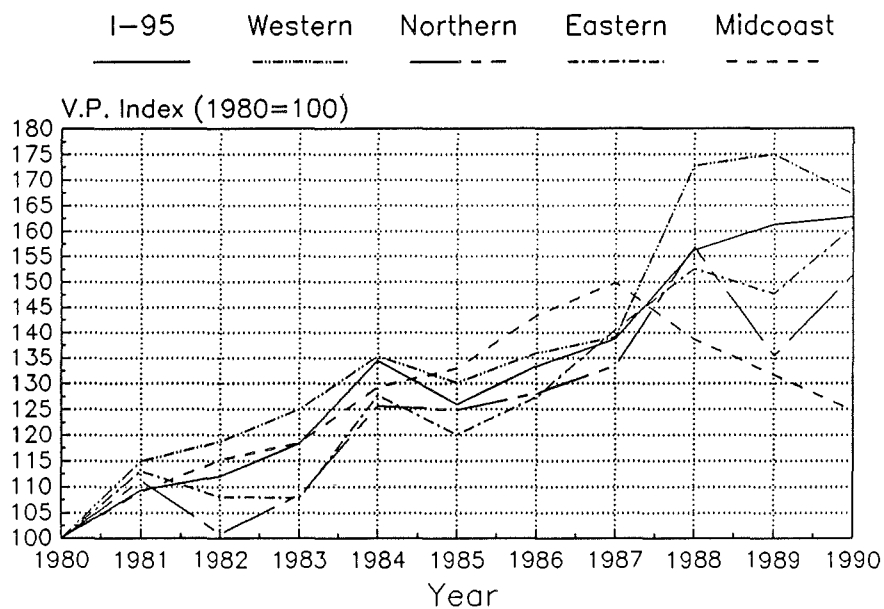


Figure 19.

Regional Contribution to the Change in  
Value of Manufactured Product by County Group  
Maine 1980-1990 and 1989-1990

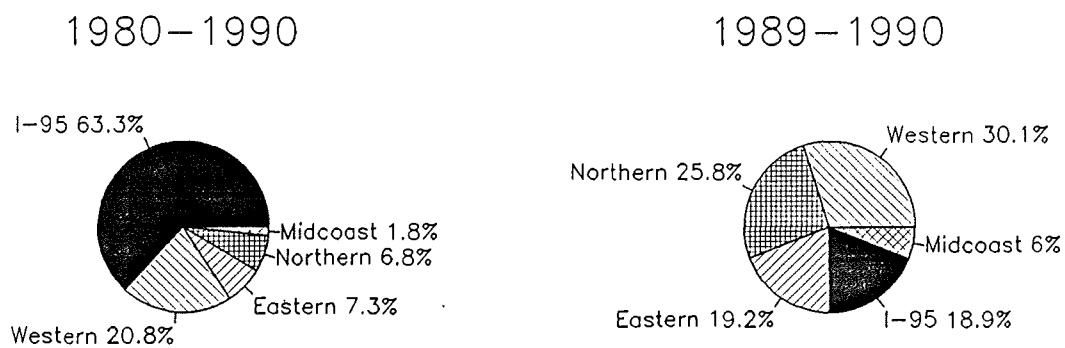


TABLE 1

## CENSUS OF MAINE MANUFACTURES BY MAJOR INDUSTRY, 1990

INDUSTRY	NUMBER REPORTING	VALUE OF PRODUCT			EMPLOYMENT			UNIONIZED WORKERS	WAGES	
		\$	% CHANGE FROM 1985 1989		TOTAL	MALE	FEMALE		GROSS	AVERAGE
<b>TOTAL</b>	2,546	11,406,118,815	27.3	0.9	99,682	69,041	30,641	29,137	\$ 2,483,210,707	\$ 24,911
<b>DURABLE GOODS</b>	1,635	4,113,435,319	31.2	2.1	45,880	34,254	11,626	11,266	1,147,765,338	25,016
Lumber & Wood Products (24)	936	947,529,307	7.7	-2.7	10,576	8,493	2,083	1,719	200,837,741	18,989
Furniture (25)	49	93,281,188	69.0	-5.6	1,228	913	297	40	26,765,332	21,795
Stone, Clay & Glass (32)	93	127,253,620	13.7	-9.5	1,558	1,328	230	7	36,135,752	23,193
Primary Metals (33)	11	35,964,843	-7.0	-2.9	588	457	131	215	14,857,720	25,268
Fabricated Metals (34)	118	257,434,049	33.5	9.0	3,008	2,359	649	698	75,885,491	25,227
Machinery, incl. Computers (35)	200	393,946,274	21.5	-7.6	4,286	3,588	698	140	118,268,284	27,594
Electronic Eqpt., ex. Comps.(36)	55	760,890,864	0.7	4.4	8,534	3,783	4,751	176	213,677,209	25,038
Transportation Equipment (37)	145	1,429,211,527	90.9	7.6	15,296	12,914	2,382	8,271	442,686,845	28,941
Precision Instruments (38)	28	67,923,647	130.7	14.8	806	401	405	0	18,650,964	23,140
<b>NONDURABLE GOODS</b>	911	7,292,683,496	25.3	0.2	53,802	34,787	19,015	17,871	1,335,445,369	24,821
Food (20)	165	930,250,282	24.2	9.1	6,940	4,631	2,309	1,254	136,526,815	19,672
Textiles (22)	74	397,432,874	5.1	-6.2	5,389	3,301	2,088	1,431	103,016,286	19,116
Apparel (23)	65	132,563,258	-31.0	-7.9	2,953	770	2,183	1,284	44,790,030	15,167
Paper (26)	43	3,971,627,163	33.5	-6.3	17,454	14,895	2,559	12,596	646,341,220	37,031
Printing & Publishing (27)	328	366,172,646	58.8	0.7	5,693	3,144	2,549	969	118,452,882	20,806
Chemicals (28)	36	185,479,714	64.8	10.3	967	634	333	44	26,867,301	27,784
Petroleum & Coal Products (29)	9	44,842,587	24.3	38.8	281	267	14	97	7,746,688	27,568
Rubber & Plastics (30)	44	349,071,746	6.2	-0.5	3,469	2,077	1,392	125	74,253,561	21,404
Leather (31)	69	873,663,569	12.7	0.3	9,989	4,785	5,204	71	166,672,846	16,685
Miscellaneous (39)	78	41,579,657	14.4	-10.0	667	283	384	0	10,777,740	16,158

TABLE 2

## MAINE CAPITAL EXPENDITURES &amp; FOREIGN TRADE BY MAJOR INDUSTRY, 1990

INDUSTRY	PLANT MODERNIZATION & EQUIPMENT						FOREIGN TRADE	
	TOTAL	NEW STRUCTURES	EXISTING STRUCTURES	EQUIPMENT	PLANNED		IMPORTS	EXPORTS
					1991	1992		
	\$	\$	\$	\$	\$	\$	\$	\$
<b>TOTAL</b>	785,270,886	137,100,879	3,155,201	645,014,806	432,112,802	326,786,001	644,733,018	762,996,076
<b>DURABLE GOODS</b>	163,733,239	37,681,097	1,114,752	124,937,390	132,972,195	101,776,108	70,670,832	328,226,359
Lumber & Wood Products (24)	46,359,470	4,640,466	736,052	40,982,952	26,035,195	14,555,832	15,592,004	72,484,834
Furniture (25)	1,756,638	296,056	150,500	1,310,082	2,082,750	985,750	80,000	5,281,190
Stone, Clay, & Glass (32)	8,439,914	6,173,338	0	2,266,576	2,289,266	845,000	164,845	66,929
Primary Metals (33)	962,606	388,285	0	574,321	714,855	2,264,000	390,357	6,855,468
Fabricated Metals (34)	8,127,378	2,481,068	0	5,646,310	4,987,317	4,336,951	8,060,694	17,514,470
Machinery, incl. Computers (35)	14,534,933	2,807,141	135,200	11,592,592	10,203,875	10,250,200	5,642,292	39,417,092
Electronic Eqpt., ex. Comps. (36)	38,854,430	8,488,508	0	30,365,922	36,257,375	31,866,875	36,742,023	57,039,395
Transportation Equipment (37)	42,356,500	12,305,975	93,000	29,957,525	39,734,127	36,012,500	3,769,617	122,245,703
Precision Instruments (38)	2,341,370	100,260	0	2,241,110	10,677,435	659,000	229,000	7,321,278
<b>NONDURABLE GOODS</b>	621,537,647	99,419,782	2,040,449	520,077,416	299,140,607	225,009,893	574,062,186	434,769,717
Food (20)	19,017,795	3,532,542	100,000	15,385,253	20,769,475	8,842,200	26,112,859	21,533,263
Textiles (22)	13,189,417	4,458,126	75,500	8,655,791	10,383,332	8,090,000	23,408,409	15,727,559
Apparel (23)	1,273,093	386,331	0	886,762	942,224	866,624	1,036,722	457,275
Paper (26)	539,004,222	76,056,781	0	462,947,441	226,878,243	179,484,717	427,935,038	201,009,087
Printing & Publishing (27)	12,756,798	6,196,041	500,173	6,060,584	8,743,632	6,238,126	4,344,020	1,023,004
Chemicals (28)	13,461,041	3,724,138	99,000	9,637,903	7,498,300	5,471,700	29,604,325	39,226,189
Petroleum & Coal Products (29)	1,869,980	24,346	0	1,845,634	667,175	0	3,751,246	11,062
Rubber & Plastics (30)	11,303,764	3,177,396	0	8,126,368	14,158,500	11,410,500	11,888,677	15,241,564
Leather (31)	8,743,011	1,667,542	965,776	6,109,693	8,445,545	4,045,395	44,682,382	137,359,805
Miscellaneous (39)	918,526	196,539	300,000	421,987	654,181	560,631	1,298,508	3,180,909

TABLE 3

**CENSUS OF MAINE MANUFACTURES  
BY MAJOR INDUSTRY & INDUSTRIAL GROUPS, 1990**

	Value of Product	Gross Wages	Average Wage	Number of Workers		
				Total	Male	Female
<b>TOTAL MANUFACTURING</b>	\$11,406,118,815	\$2,483,210,707	\$24,911	99,682	69,041	30,641
<b>DURABLE GOODS</b>						
<b>24 LUMBER &amp; WOOD PRODUCTS</b>	947,529,307	200,837,741	18,989	10,576	8,493	2,083
241 Logging Camps & Contractors	386,742,159	56,267,659	17,705	3,178	2,953	225
2411 Logging Camps & Contractors	386,742,159	56,267,659	17,705	3,178	2,953	225
242 Sawmills & Planing Mills	261,842,425	62,991,083	22,337	2,820	2,497	323
2421 Sawmills & Planing Mills, Gen.	244,218,234	57,623,162	23,104	2,494	2,231	263
2426 Hardwood & Flooring Mills	17,252,238	5,280,406	16,816	314	255	59
2429 Special Product Sawmills, NEC	371,953	87,515	7,292	12	11	1
243 Millwork & Cabinets	54,847,138	16,639,675	18,951	878	684	194
2431 Millwork	18,138,834	6,461,108	20,576	314	257	57
2434 Wood Kitchen Cabinets	8,226,528	2,326,337	16,268	143	114	29
244 Wood Containers	8,835,548	2,299,489	13,606	169	125	44
2449 Wood Containers, NEC	3,270,061	1,238,457	13,760	90	58	32
245 Wood Buildings & Mobile Homes	28,041,237	5,831,222	19,308	302	260	42
2451 Mobile Homes	13,845,726	2,977,658	18,494	161	138	23
2452 Prefabricated Wood Buildings	14,195,511	2,853,564	20,238	141	122	19
249 Miscellaneous Wood Products	207,220,800	56,808,613	17,593	3,229	1,974	1,255
2499 Wood Products, NEC	148,572,010	47,946,026	16,811	2,852	1,637	1,215
<b>25 FURNITURE AND FIXTURES</b>	93,281,188	26,765,332	21,795	1,228	931	297
251 Household Furniture	30,957,908	12,427,712	17,678	703	493	210
2511 Wood Household Furn., Ex. Uph.	29,732,261	12,127,641	17,782	682	479	203
<b>32 STONE, CLAY &amp; GLASS</b>	127,253,620	36,135,752	23,193	1,558	1,328	230
323 Glass Prod., from Purchased Glass	3,463,658	981,940	20,457	48	26	22
3231 Glass Prod., from Purch. Glass	3,463,658	981,940	20,457	48	26	22
325 Structural Clay Products	4,483,106	1,916,325	22,545	85	79	6
326 Pottery and Related Products	2,686,969	1,074,484	10,431	103	38	65
3269 Pottery Products, NEC	2,686,969	1,074,484	10,431	103	38	65
327 Concrete, Gypsum & Plaster Product	76,418,404	23,253,968	23,441	992	895	97
3272 Concrete Products, NEC	28,498,662	7,735,392	22,953	337	304	33
3273 Ready-Mixed Concrete	42,462,256	13,161,673	23,930	550	508	42
328 Cut Stone & Stone Products	878,911	287,739	26,158	11	9	2
3281 Cut Stone & Stone Products	878,911	287,739	26,158	11	9	2
329 Nonmetallic Mineral Products, NEC	2,192,320	435,391	20,732	21	19	2
<b>33 PRIMARY METALS</b>	35,964,843	14,857,720	25,268	588	457	131
<b>34 FABRICATED METALS</b>	257,434,049	75,885,491	25,227	3,008	2,359	649
342 Cutlery, Hand Tools & Gen. Hrdwre.	6,187,470	1,559,150	19,736	79	69	10
343 Heating Equipment, except Electric	2,804,523	695,997	23,199	30	26	4
344 Structural Metal Products	98,606,579	28,148,244	25,087	1,122	969	153
3441 Structural Metal	30,452,643	8,323,481	22,929	363	333	30
3442 Metal Doors	4,779,777	940,841	23,521	40	31	9
3443 Fabricated Plate Work	24,763,214	7,918,136	30,106	263	236	27
3444 Sheet Metal Work	35,474,097	10,121,754	24,042	421	339	82
346 Metal Forgings & Stampings	3,741,085	1,204,396	23,161	52	39	13
347 Coating, Engraving, & Allied Svcs.	5,542,731	2,119,073	19,621	108	70	38
349 Fabricated Metal Products, NEC	61,049,120	16,760,088	24,793	676	453	223
<b>35 INDUST. &amp; COMM. MACHINERY</b>	393,946,274	118,268,284	27,594	4,286	3,588	698
352 Farm & Garden Machinery & Eqpt.	1,514,312	427,829	12,964	33	29	4
3523 Farm Machinery & Equipment	1,514,312	427,829	12,964	33	29	4
353 Construction Machinery & Equip.	26,906,673	8,442,216	26,299	321	271	50
3535 Conveyors	7,396,116	1,797,303	23,648	76	67	9
354 Metalworking Machinery	55,553,689	18,760,001	24,782	757	612	145
3544 Special Dies & Tools	19,375,826	9,306,993	27,782	335	300	35
3545 Machine Tool Accessories, etc.	18,538,813	4,449,216	19,514	228	164	64
3546 Power-Driven Handtools	3,755,221	1,042,218	20,844	50	17	33
355 Special Industry Machinery	40,812,131	17,061,417	27,211	627	530	97
3553 Woodworking Machinery	2,579,905	600,842	20,028	30	29	1
3559 Special Industry Machinery, NEC	22,584,158	11,758,797	26,306	447	373	74

TABLE 3 (Continued)

**CENSUS OF MAINE MANUFACTURES  
BY MAJOR INDUSTRY & INDUSTRIAL GROUPS, 1990**

	Value of Product	Gross Wages	Average Wage	Number of Workers		
				Total	Male	Female
<b>35 INDUST. &amp; COMM. MACHINERY</b> (Continued)						
356 Gen. Industrial Machinery & Eqpt.	\$ 16,305,002	\$ 3,966,468	\$24,790	160	109	51
3569 Gen. Industrial Mach. & Eqpt., NEC	10,482,582	2,699,780	31,762	85	72	13
358 Refrigeration & Service Machinery	7,845,813	2,346,572	23,465	100	805	20
359 Miscellaneous	129,386,051	45,355,267	27,689	1,638	1,397	241
3599 Indust. & Comm. Machinery, NEC	88,312,476	32,757,918	27,879	1,175	1,057	118
<b>36 ELECTRONIC EQPT., EX. COMPS.</b>	760,890,864	213,677,209	25,038	8,534	3,783	4,751
361 Electric Trans. & Dist. Equipment	131,995,483	25,390,698	25,416	999	492	507
3613 Switchgear & Switchboard Appar.	131,995,483	25,390,698	25,416	999	492	507
362 Electrical Industrial Apparatus	4,958,326	1,904,218	25,389	75	41	34
364 Electric Light & Wiring Equipment	66,341,364	14,440,025	19,539	739	265	474
366 Communication Equipment	119,241,959	24,158,812	22,431	1,077	655	422
367 Electronic Components	416,954,213	140,172,204	26,982	5,195	2,139	3,056
3672 Printed Circuit Boards	1,148,737	484,459	11,816	41	19	22
3674 Semiconductors & Related Device	198,563,966	87,019,002	31,301	2,780	1,390	1,390
3679 Electric Components, NEC	79,994,660	18,779,132	20,750	905	331	574
369 Misc. Electrical Eqpt.	5,622,800	2,176,129	16,485	132	61	71
<b>37 TRANSPORTATION EQUIPMENT</b>	1,429,211,527	442,686,845	28,941	15,296	12,914	2,382
371 Motor Vehicles & Motor Vehic. Eqpt.	30,296,513	6,970,682	20,623	338	213	125
379 Misc. Transportation Equipment	5,357,662	1,055,544	28,528	37	29	8
<b>38 PRECISION INSTRUMENTS</b>	67,923,647	18,650,964	23,140	806	401	405
382 Laboratory Equipment	53,284,778	12,427,415	25,623	485	293	192
3825 Electrical Instruments	5,607,564	1,453,246	15,626	93	28	65
384 Surgical, Medical, & Dental	13,266,525	5,923,978	19,486	304	97	207
3842 Orthopedic & Surgical Supplies	8,762,525	4,197,668	18,656	225	79	146
<b>DURABLE GOODS TOTAL</b>	4,113,435,319	1,147,765,338	25,016	45,880	34,254	11,626
<b>NONDURABLE GOODS</b>						
<b>20 FOOD</b>	930,250,282	136,526,815	19,672	6,940	4,631	2,309
201 Meat Products	83,292,395	10,965,687	23,531	466	304	162
202 Dairy Products	121,734,514	15,895,238	23,938	664	537	127
203 Preserved Fruits & Vegetables	304,571,976	37,093,245	17,588	2,109	1,337	772
2037 Frozen Fruits & Vegetables	212,723,065	28,235,047	16,937	1,667	1,045	622
204 Grain Mill Products	54,604,203	5,783,764	24,507	236	197	39
2048 Prepared Feeds, NEC	29,304,272	1,979,222	22,749	87	72	15
205 Bakery Products	157,281,086	27,263,476	23,999	1,136	866	270
2051 Perishable Bakery Products	157,281,086	27,263,476	23,999	1,136	866	270
208 Beverages	98,624,822	14,212,700	26,417	538	443	95
2086 Bottled and Canned Soft Drinks	60,730,578	10,834,208	26,296	412	355	57
209 Miscellaneous	109,206,925	24,889,019	14,149	1,759	934	825
2091 Canned & Cured Seafood	58,216,139	13,180,226	13,962	944	428	516
2092 Fresh or Frozen Seafood	43,103,733	8,882,205	13,792	644	363	281
<b>22 TEXTILES</b>	397,432,874	103,016,286	19,116	5,389	3,301	2,088
222 Weaving Mills, Synthetics	69,213,710	28,524,282	20,580	1,386	832	554
2221 Broad Woven Fabrics, Synth.	69,213,710	28,524,282	20,580	1,386	832	554
223 Weaving & Finishing Mills, Wool	134,807,392	33,842,627	18,293	1,850	1,214	636
2231 Broad Woven Fabrics, Wool	134,807,392	33,842,627	18,293	1,850	1,214	636
224 Narrow Fabrics Mills	19,053,241	7,187,891	21,203	339	161	178
2241 Narrow Fabrics	19,053,241	7,187,891	21,203	339	161	178
227 Floor Covering Mills	1,278,418	585,778	15,415	38	17	21
2273 Floor Covering	1,278,418	585,778	15,415	38	17	21
228 Yarn & Thread Mills	34,216,509	10,896,340	16,559	658	351	307
229 Miscellaneous	87,486,776	14,572,869	20,184	722	518	204

TABLE 3 (Continued)

**CENSUS OF MAINE MANUFACTURES  
BY MAJOR INDUSTRY & INDUSTRIAL GROUPS, 1990**

	Value of Product	Gross Wages	Average Wage	Number of Workers		
				Total	Male	Female
<b>23 APPAREL</b>	\$ 132,563,258	\$ 44,790,030	\$15,167	2,953	770	2,183
233 Women's Outerwear	3,707,571	1,785,825	14,881	120	14	106
2339 Women's Outerwear, NEC	2,227,111	1,212,002	15,341	79	10	69
238 Misc. Apparel & Accessories	7,506,651	5,308,760	14,996	354	105	249
239 Fabricated Textile Products, NEC	72,761,691	16,339,817	16,810	972	427	545
2394 Canvas & Related Products	8,989,937	2,477,017	17,201	144	79	65
2399 Fabric., Textile Products, NEC	589,297	590,312	11,806	50	14	36
<b>26 PAPER</b>	3,971,627,163	646,341,220	37,031	17,454	14,895	2,559
262 Paper Mills, except Building Mills	3,702,191,839	587,852,908	38,555	15,247	13,304	1,943
2621 Paper Mills, exc. Building Mills	3,702,191,839	587,852,908	38,555	15,247	13,304	1,943
265 Paperboard Containers & Boxes	89,071,946	13,838,507	25,160	550	429	121
2653 Corrugated & Solid Fiber Boxes	74,459,529	12,776,983	25,760	496	390	106
<b>27 PRINTING &amp; PUBLISHING</b>	366,172,646	118,452,882	20,806	5,693	3,144	2,549
271 Newspapers	149,281,614	59,113,896	21,007	2,814	1,456	1,358
2711 Newspapers, Pub. & Printing	149,281,614	59,113,896	21,007	2,814	1,456	1,358
272 Magazines & Periodicals	22,195,740	6,420,939	22,450	286	115	171
2721 Magazines	22,195,740	6,420,939	22,450	286	115	171
273 Books	19,879,333	6,167,835	23,631	261	117	144
2731 Book Publishing	19,879,333	6,167,835	23,631	261	117	144
274 Miscellaneous	386,500	58,001	14,500	4	0	4
2741 Publishing, Miscellaneous	386,500	58,001	14,500	4	0	4
275 Commercial Printing	164,094,307	43,436,904	20,165	2,154	1,391	763
2752 Lithographic	116,722,676	30,806,430	20,069	1,535	1,003	532
2759 Commercial Printing, NEC	47,371,631	12,630,474	20,404	619	388	231
278 Blankbooks, Bookbinding & Related	833,563	347,305	14,471	24	5	19
279 Service Industries	2,925,358	1,361,167	17,677	77	34	43
<b>28 CHEMICALS</b>	185,479,714	26,867,301	27,784	967	634	333
281 Industrial Inorganic Chemicals	59,286,546	6,560,050	30,091	218	193	25
282 Plastics Materials, etc.	8,128,835	1,369,610	22,452	61	52	9
283 Drugs	89,883,577	13,144,487	30,356	433	253	180
2836 Biological Products, Ex. Diag.	5,055,641	1,431,766	25,118	57	26	31
284 Cleaning Preparations, etc.	14,605,356	3,485,689	24,375	143	60	83
2842 Polishes	1,177,715	386,278	21,459	18	14	4
286 Industrial Organic Chemicals	3,391,538	735,159	28,275	26	14	12
287 Agricultural Chemicals	8,655,794	1,182,017	20,379	58	49	9
<b>29 PETROLEUM &amp; COAL PRODUCTS</b>	44,842,587	7,746,688	27,568	281	267	14
295 Paving & Roofing Materials	44,842,587	7,746,688	27,568	281	267	14
2951 Paving Mixtures & Blocks	44,842,587	7,746,688	27,568	281	267	14
<b>30 RUBBER &amp; PLASTICS</b>	349,071,746	74,253,561	21,404	3,469	2,077	1,392
302 Rubber & Plastics Footwear	22,746,064	7,497,807	15,784	475	189	286
3021 Rubber & Plastics Footwear	22,746,064	7,497,807	15,784	475	189	286
308 Plastic Products	290,675,980	58,681,413	22,093	2,656	1,619	1,037
3085 Plastic Bottles	5,691,217	797,337	22,781	35	26	9
3086 Plastic Foam Products	23,781,163	3,855,857	23,949	161	105	56
3089 Miscellaneous Plastic Products	106,616,792	23,957,548	18,644	1,285	636	649
<b>31 LEATHER &amp; LEATHER PRODUCTS</b>	873,663,569	166,672,846	16,685	9,989	4,785	5,204
311 Leather Tanning & Finishing	263,232,534	30,118,397	24,075	1,251	1,054	197
3111 Leather Tanning & Finishing	263,232,534	30,118,397	24,075	1,251	1,054	197
313 Footwear Cut Stock	23,018,468	9,146,761	17,160	533	253	280
3131 Footwear Cut Stock	23,018,468	9,146,761	17,160	533	253	280
314 Footwear, Except Rubber	583,576,746	126,828,027	15,557	8,152	3,417	4,681
3142 House Slippers	26,350,683	7,909,080	13,051	606	190	416
3143 Men's Footwear, exc. Athletic	264,394,065	61,499,914	17,551	3,504	1,588	1,916
3144 Women's Footwear, exc. Athletic	185,462,623	28,556,378	13,709	2,083	829	1,254
3149 Footwear Except Rubber, NEC	107,369,375	28,862,655	14,733	1,959	864	1,095
317 Handbags & Pers. Leather Goods	3,323,200	499,697	10,862	46	4	42
319 Leather Goods, NEC	873,663,569	166,672,846	16,685	9,989	4,785	5,204

TABLE 3 (Continued)

**CENSUS OF MAINE MANUFACTURES  
BY MAJOR INDUSTRY & INDUSTRIAL GROUPS, 1990**

	Value of Product	Gross Wages	Average Wage	Number of Workers		
				Total	Male	Female
<b>39 MISCELLANEOUS</b>	\$ 41,579,657	\$ 10,777,740	\$16,158	667	283	384
394 Toys & Sporting Goods	10,805,540	2,403,099	15,404	156	72	84
3944 Sheet Metal Work	2,326,730	663,790	13,546	49	24	25
3949 Sporting & Athletic Goods, NEC	8,450,321	1,734,930	16,367	106	48	58
395 Pens, Pencils, and Other Materials	14,526,175	3,085,042	16,497	187	50	137
399 Miscellaneous	10,231,981	3,147,194	16,829	187	109	78
3993 Signs and Advertising Displays	6,968,812	2,356,664	24,548	96	74	22
<b><u>NONDURABLE GOODS TOTAL</u></b>	7,292,683,496	1,335,445,369	24,821	53,802	34,787	19,015

TABLE 4

## CENSUS OF MAINE MANUFACTURES BY COUNTY, 1990

INDUSTRY	NUMBER REPORTING	VALUE OF PRODUCT			EMPLOYMENT			UNIONIZED WORKERS	WAGES	
		\$	% CHANGE FROM		TOTAL	MALE	FEMALE		GROSS	AVERAGE
			1985	1989						
<b>TOTAL</b>	2,546	11,406,118,815	27.3	0.9	99,682	69,041	30,641	29,137	\$ 2,483,210,707	\$ 24,911
<b>I-95 CORRIDOR</b>	1,289	7,084,066,471	28.7	0.9	68,415	47,780	20,635	20,975	1,760,504,564	25,732
Androscoggin	203	767,759,785	9.2	-4.2	9,110	5,686	3,424	598	189,945,453	20,850
Cumberland	417	1,618,623,553	12.0	-2.3	16,461	11,219	5,242	3,198	440,976,202	26,789
Kennebec	139	711,788,316	22.1	0.3	7,263	4,672	2,591	3,692	178,588,427	24,588
Penobscot	248	1,550,392,915	25.1	-2.5	11,311	8,487	2,824	3,815	299,798,024	26,504
Sagadahoc	35	897,094,002	105.5	8.4	11,426	9,807	1,619	8,259	329,632,470	28,849
York	247	1,538,407,900	40.4	7.5	12,844	7,909	4,935	1,413	321,562,988	25,036
<b>EASTERN</b>	232	818,672,201	33.9	8.9	5,125	3,737	1,388	1,778	132,864,814	25,924
Hancock	142	461,076,601	28.0	18.1	2,949	2,147	802	1,016	81,304,238	27,570
Washington	90	357,595,600	42.3	-1.0	2,176	1,590	586	762	51,560,576	23,695
<b>MIDCOAST</b>	288	377,902,979	-2.2	-5.3	4,702	2,825	1,877	384	91,303,842	19,418
Knox	123	226,696,972	6.6	-7.0	2,509	1,560	949	288	50,479,623	20,119
Lincoln	85	66,434,059	22.2	9.7	880	511	369	0	18,012,249	20,468
Waldo	80	84,771,948	-29.0	-10.3	1,313	754	559	96	22,811,970	17,373
<b>NORTHERN</b>	226	858,443,346	21.2	11.8	5,905	4,320	1,585	1,761	124,852,535	21,143
Aroostook	226	858,443,346	21.2	11.8	5,905	4,320	1,585	1,761	124,852,535	21,143
<b>WESTERN</b>	502	2,257,430,071	29.3	-4.5	15,464	10,313	5,151	4,239	372,448,119	24,084
Franklin	96	674,349,324	39.6	10.3	3,662	2,505	1,157	1,685	97,012,988	26,491
Oxford	182	554,153,979	12.8	-8.8	4,580	3,381	1,199	1,334	119,375,890	26,064
Piscataquis	76	151,281,462	14.4	-10.3	2,323	1,399	924	60	43,237,159	18,612
Somerset	148	877,645,306	37.2	-10.0	4,899	3,028	1,871	1,160	112,822,082	23,029



TABLE 5

## MAINE CAPITAL EXPENDITURES &amp; FOREIGN TRADE BY COUNTY, 1990

INDUSTRY	PLANT MODERNIZATION & EQUIPMENT						FOREIGN TRADE	
	TOTAL	NEW STRUCTURES	EXISTING STRUCTURES	EQUIPMENT	PLANNED		IMPORTS	EXPORTS
					1991	1992		
	\$	\$	\$	\$	\$	\$	\$	\$
<b>TOTAL</b>	785,270,886	137,100,879	3,155,201	645,014,806	432,112,802	326,786,001	644,733,018	762,996,076
<b>I-95 CORRIDOR</b>	372,293,315	48,186,418	1,648,079	322,458,818	283,087,209	172,782,435	213,646,648	514,217,314
Androscoggin	22,669,286	3,625,862	912,739	18,130,685	14,871,890	12,760,895	18,385,892	29,172,810
Cumberland	73,039,499	19,166,092	455,351	53,418,056	80,493,868	52,178,623	49,877,461	122,975,004
Kennebec	30,241,018	4,248,045	80,000	25,912,973	26,175,682	16,032,252	30,050,525	6,674,240
Penobscot	172,266,251	5,654,438	46,952	166,564,861	85,028,505	25,232,341	93,638,927	69,097,898
Sagadahoc	14,816,884	11,612,240	0	3,204,644	17,998,000	17,538,500	5,620	368,064
York	59,260,377	3,879,741	153,037	55,227,599	58,519,264	49,039,824	21,688,223	285,929,298
<b>EASTERN</b>	43,401,376	14,929,136	660,500	27,811,740	44,235,958	29,073,250	107,127,870	80,898,639
Hancock	23,404,735	9,074,400	600,500	13,729,835	24,349,645	18,565,650	92,790,672	5,874,245
Washington	19,996,641	5,854,736	60,000	14,081,905	19,886,313	10,507,600	14,337,198	75,024,394
<b>MIDCOAST</b>	23,684,986	10,698,616	94,700	12,891,670	11,923,033	9,770,784	28,859,612	50,498,540
Knox	16,965,083	8,480,210	85,000	8,399,873	6,662,609	4,303,284	28,159,776	37,479,068
Lincoln	2,755,260	675,293	9,700	2,070,267	2,166,680	3,597,500	631,986	12,731,372
Waldo	3,964,643	1,543,113	0	2,421,530	3,143,744	1,870,000	67,850	288,100
<b>NORTHERN</b>	24,241,588	3,805,522	125,000	20,311,066	12,554,250	22,030,000	190,620,142	29,663,128
Aroostook	24,241,588	3,805,522	125,000	20,311,066	12,554,250	22,030,000	190,620,142	29,663,128
<b>WESTERN</b>	321,649,621	59,481,187	626,922	261,541,512	80,312,352	93,129,532	104,278,746	80,030,034
Franklin	39,736,121	5,795,128	35,000	33,905,993	32,609,165	37,495,850	35,703,843	26,230,263
Oxford	6,513,334	1,497,911	36,822	4,978,601	4,613,363	2,419,510	15,417,330	11,531,271
Piscataquis	7,263,954	2,442,166	20,000	4,801,788	4,729,824	2,981,434	8,655,057	15,994,329
Somerset	268,136,212	49,745,982	535,100	217,855,130	38,360,000	50,232,738	44,502,516	26,274,171

NOTE: Detail lines may not be equal to the total line due to the presence of "statewide" manufacturers.

TABLE 6

**CENSUS OF MAINE MANUFACTURES  
BY COUNTY, MAJOR INDUSTRY & MINOR CIVIL DIVISION, 1990**

	Value of Product	Gross Wages	Average Wage	Number of Workers		
				Total	Male	Female
<b>ANDROSCOGGIN (01)</b>	\$ 767,759,785	\$ 189,946,453	\$ 20,850	9,110	5,686	3,424
Major Industry						
DURABLE GOODS	163,433,354	52,393,121	23,793	2,202	1,660	542
Lumber & Wood Products (24)	12,421,196	4,290,961	19,241	223	194	29
Furniture & Fixtures (25)	10,015,201	3,321,199	22,141	150	109	41
Stone, Clay, & Glass (32)	18,823,714	4,998,338	21,922	228	198	30
Fabricated Metals (34)	21,884,041	5,459,210	28,732	190	166	24
Machinery, incl. Computers (35)	25,824,135	8,195,513	21,567	380	292	88
NONDURABLE GOODS	604,326,431	137,553,332	19,912	6,908	4,026	2,882
Food (20)	122,494,527	19,181,217	27,362	701	539	162
Textiles (22)	83,279,624	21,597,342	21,111	1,023	702	321
Apparel (23)	1,576,754	850,016	11,805	72	26	46
Paper (26)	116,285,758	20,090,959	24,988	804	533	271
Printing & Publishing (27)	49,906,736	16,349,570	21,041	777	446	331
Rubber & Plastics (30)	141,982,911	31,709,805	19,549	1,622	979	643
Leather (31)	74,133,662	24,619,038	14,222	1,731	734	997
Minor Civil Division						
Auburn (010)	335,679,595	74,248,830	23,065	3,219	2,122	1,097
Lewiston (050)	344,062,425	95,053,883	19,202	4,950	2,904	2,046
Lisbon (060)	42,009,750	10,035,461	20,480	490	315	175
Livermore Falls (080)	8,778,576	2,655,968	21,247	125	89	36
Mechanic Falls (090)	11,298,343	2,540,096	30,976	82	63	19
Poland (110)	4,527,861	640,842	24,647	26	23	3
<b>AROOSTOOK (03)</b>	858,443,346	124,852,535	21,143	5,905	4,320	1,585
Major Industry						
DURABLE GOODS	188,860,164	42,628,756	17,918	2,379	1,903	476
Lumber & Wood Products (24)	162,417,860	33,245,927	18,911	1,758	1,566	192
Stone, Clay, & Glass (32)	4,669,421	1,702,706	20,764	82	73	9
Fabricated Metal Products (34)	9,406,387	2,117,859	14,505	146	94	52
Machinery, Except Electrical (35)	2,744,743	662,445	13,800	48	39	9
NONDURABLE GOODS	669,583,182	82,223,779	23,319	3,526	2,417	1,109
Food (20)	214,388,577	26,529,240	18,022	1,472	987	485
Chemicals (28)	12,201,434	1,866,479	16,664	112	53	59
Minor Civil Division						
Allagash Plt. (010)	2,390,594	448,331	16,011	28	26	2
Caribou (080)	12,401,313	5,586,902	15,306	365	153	212
Fort Kent (200)	52,813,458	10,586,457	17,047	621	393	228
Houlton (300)	29,908,878	7,418,323	16,745	443	302	141
Masardis (400)	889,500	179,522	14,960	12	11	1
Portage Lake (520)	6,108,564	1,438,054	18,921	76	72	4
Presque Isle (530)	70,788,537	13,899,213	17,980	773	498	275
Sherman (580)	3,030,920	843,851	14,804	57	42	15
Smyrna (590)	3,059,950	410,398	11,091	37	31	6
Van Buren (610)	4,482,028	1,882,151	16,086	117	99	18

**TABLE 6 (Continued) CENSUS OF MAINE MANUFACTURES  
BY COUNTY, MAJOR INDUSTRY & MINOR CIVIL DIVISION, 1990**

	Value of Product	Gross Wages	Average Wage	Number of Workers		
				Total	Male	Female
<b>CUMBERLAND (05)</b>	\$1,618,623,553	\$440,976,202	\$ 26,789	16,461	11,219	5,242
Major Industry						
DURABLE GOODS	603,193,321	194,251,653	27,028	7,187	4,946	2,241
Lumber & Wood Products (24)	52,670,736	15,451,527	19,411	796	595	201
Furniture & Fixtures (25)	1,804,579	642,340	14,274	45	36	9
Stone, Clay, & Glass (32)	11,961,059	3,446,846	23,289	148	137	11
Primary Metals (33)	1,724,482	583,846	20,851	28	24	4
Fabricated Metals (34)	64,567,639	18,353,902	26,716	687	571	116
Machinery, incl. Computers (35)	147,968,045	53,299,107	28,141	1,894	1,512	382
Electronic Eqpt., ex. Comps. (36)	268,231,460	88,141,273	29,089	3,030	1,713	1,317
Transportation Equipment (37)	15,791,899	5,005,190	21,298	235	195	40
Measuring Instruments (38)	38,473,422	9,327,622	28,788	324	163	161
NONDURABLE GOODS	1,015,430,232	246,724,549	26,603	9,274	6,273	3,001
Food (20)	325,239,582	47,561,560	23,234	2,047	1,573	474
Textile Mill Products (22)	43,285,766	5,622,587	19,124	294	165	129
Apparel (23)	7,194,151	3,119,693	14,245	219	86	133
Printing & Publishing (27)	113,853,788	40,499,442	22,971	1,763	992	771
Chemicals & Allied Products (28)	21,251,915	6,302,160	28,260	223	106	117
Rubber & Misc. Plastic Prods. (30)	28,797,662	7,539,066	21,540	350	256	94
Leather (31)	129,141,719	32,122,727	17,955	1,789	873	916
Misc. Mfg. Industries (39)	6,526,403	2,173,665	18,266	119	50	69
Minor Civil Division						
Baldwin (010)	5,665,171	1,315,957	18,534	71	67	4
Bridgton (020)	87,198,503	10,920,277	17,843	612	304	308
Brunswick (030)	43,799,836	9,341,393	20,575	454	228	226
Cape Elizabeth (040)	2,878,239	1,051,822	20,227	52	41	11
Casco (050)	10,982,916	2,959,061	20,986	141	113	28
Falmouth (070)	1,917,840	630,767	16,599	38	27	11
Freeport (080)	74,397,336	16,614,057	16,498	1,007	513	494
Gorham (090)	36,952,208	14,854,923	23,579	630	492	138
Gray (100)	13,627,541	2,183,228	16,665	131	88	43
Naples (130)	2,376,325	471,978	14,749	32	29	3
New Gloucester (140)	4,566,836	1,020,920	21,269	48	44	4
Portland (170)	523,084,570	119,980,621	25,554	4,695	3,270	1,425
Raymond (190)	28,357,061	8,692,872	27,080	321	269	52
Scarborough (200)	71,456,925	19,778,322	22,971	861	629	232
Westbrook (240)	429,734,495	137,143,003	33,963	4,038	3,183	855
Windham (250)	14,803,169	6,646,410	25,563	260	201	59
Yarmouth (260)	26,471,356	7,954,454	24,031	331	176	155
<b>FRANKLIN (07)</b>	674,349,324	97,012,988	26,491	3,662	2,505	1,157
Major Industry						
DURABLE GOODS	72,046,982	19,467,634	16,400	1,187	769	418
Lumber & Wood Products (24)	68,704,014	18,158,803	16,767	1,083	704	379
Machinery, Except Electrical (35)	525,941	142,597	12,963	11	9	2
NONDURABLE GOODS	602,302,342	77,545,354	31,331	2,475	1,736	739
Leather & Leather Products (31)	70,030,356	5,314,783	11,405	466	241	225
Minor Civil Division						
Eustis (060)	14,044,049	2,468,989	20,404	121	115	6
Farmington (070)	26,864,027	6,629,878	12,556	528	271	257
Strong (180)	20,544,870	4,514,965	16,599	272	174	98
Wilton (210)	90,919,801	10,181,256	15,784	645	317	328
<b>HANCOCK (09)</b>	461,076,601	81,304,238	27,570	2,949	2,147	802
Minor Civil Division						
Southwest Harbor (280)	22,539,425	8,942,978	24,841	360	282	78

**TABLE 6 (Continued) CENSUS OF MAINE MANUFACTURES  
BY COUNTY, MAJOR INDUSTRY & MINOR CIVIL DIVISION, 1990**

	Value of Product	Gross Wages	Average Wage	Number of Workers		
				Total	Male	Female
<b>KENNEBEC (11)</b>	\$ 711,788,316	\$ 178,588,427	\$ 24,588	7,263	4,672	2,591
<u>Major Industry</u>						
DURABLE GOODS	178,394,175	52,190,450	28,288	1,852	1,293	559
Fabricated Metals (34)	30,632,749	8,121,853	22,374	363	286	77
Machinery, incl. Computers (35)	36,723,858	12,083,429	29,616	408	374	34
NONDURABLE GOODS	533,394,141	126,197,977	23,322	5,411	3,379	2,032
Textiles (22)	85,175,844	20,716,656	19,041	1,088	705	383
Paper (26)	333,680,290	71,123,670	28,830	2,467	1,885	582
Printing & Publishing (27)	35,407,272	12,695,642	21,628	587	366	221
<u>Minor Civil Division</u>						
Augusta (020)	277,037,640	57,596,927	27,905	2,064	1,387	677
Benton (040)	4,264,522	470,607	24,768	19	16	3
Gardiner (100)	18,206,291	3,714,782	19,971	186	121	65
Hallowell (110)	4,183,204	1,631,769	19,425	84	51	33
Monmouth (140)	37,533,676	6,953,927	20,333	342	264	78
Waterville (240)	126,990,631	46,455,401	22,111	2,101	1,046	1,055
Winslow (280)	155,708,948	35,471,602	31,060	1,142	872	270
<b>KNOX (13)</b>	226,696,972	50,479,623	20,119	2,509	1,560	949
<u>Major Industry</u>						
DURABLE GOODS	79,064,053	23,076,883	21,729	1,062	824	238
Lumber & Wood Products (24)	2,211,426	365,619	14,062	26	23	3
Fabricated Metals (34)	12,401,895	3,546,798	20,267	175	146	29
Machinery, Except Electrical (35)	13,126,335	3,148,900	25,810	122	110	12
Electronic Eqpt., ex. Comps. (36)	2,869,957	1,341,358	19,725	68	31	37
Transportation Equipment (37)	16,334,516	6,602,435	21,718	304	266	38
NONDURABLE GOODS	147,632,919	27,402,740	18,937	1,447	736	711
Food (20)	21,554,266	5,694,094	14,306	398	191	207
Textiles (22)	27,340,002	4,205,610	19,560	215	122	93
Apparel (23)	5,013,697	3,674,625	14,581	252	84	168
Printing & Publishing (27)	15,649,554	4,561,067	18,391	248	92	156
<u>Minor Civil Division</u>						
Camden (020)	21,187,432	7,798,597	19,693	396	218	178
Cushing (030)	115,250	54,943	10,988	5	5	0
Rockland (100)	136,974,375	27,628,029	19,805	1,395	837	558
Rockport (110)	4,735,825	1,897,937	23,145	82	42	40
St. George (120)	963,437	97,461	9,746	10	6	4
Thomaston (140)	27,785,544	6,398,239	24,608	260	222	38
Union (150)	2,259,406	808,810	15,859	51	37	14
Warren (170)	27,188,095	3,640,815	20,804	175	124	51
<b>LINCOLN (15)</b>	66,434,059	18,012,249	20,468	880	511	369
<u>Major Industry</u>						
DURABLE GOODS	52,303,304	15,097,415	21,975	687	433	254
Lumber & Wood Products (24)	3,469,418	848,248	16,312	52	49	3
Stone, Clay, & Glass (32)	832,808	354,150	12,648	28	6	22
Machinery, incl. Computers (35)	6,229,136	2,172,176	23,610	92	66	26
Transportation Equipment (37)	7,913,915	3,656,307	21,134	173	154	19
NONDURABLE GOODS	14,130,755	2,914,834	15,102	193	78	115
Food (20)	2,268,900	301,791	9,145	33	12	21
Printing & Publishing (27)	4,109,796	1,240,521	17,229	72	28	44

**TABLE 6 (Continued) CENSUS OF MAINE MANUFACTURES  
BY COUNTY, MAJOR INDUSTRY & MINOR CIVIL DIVISION, 1990**

	Value of Product	Gross Wages	Average Wage	Number of Workers		
				Total	Male	Female
<b>LINCOLN (15) (continued)</b>						
<u>Minor Civil Division</u>						
Boothbay (020)	\$ 8,231,530	\$ 3,440,390	\$ 21,637	159	127	32
Boothbay Harbor (030)	1,132,564	736,551	13,897	53	30	23
Bristol (050)	8,483,595	2,080,946	20,603	101	63	38
Damariscotta (060)	2,502,497	733,071	13,328	55	28	27
South Bristol (140)	266,460	77,773	11,110	7	4	3
Southport (150)	1,108,401	373,263	18,663	20	16	4
Waldoboro (160)	32,299,907	8,026,293	22,172	362	146	216
Wiscasset (190)	1,732,603	412,466	14,730	28	17	11
<b>OXFORD (17)</b>	554,153,979	119,375,890	26,064	4,580	3,381	1,199
<u>Minor Civil Division</u>						
Bethel (020)	14,455,940	5,457,695	16,004	341	215	126
Fryeburg (090)	18,674,938	9,149,642	19,425	471	284	187
Norway (210)	31,095,695	9,991,179	15,514	644	357	287
Oxford (220)	42,274,904	11,979,191	21,468	558	357	201
<b>PENOBSCOT (19)</b>	1,550,392,915	299,798,024	26,504	11,311	8,487	2,824
<u>Major Industry</u>						
DURABLE GOODS	352,321,627	72,696,579	22,042	3,298	2,579	719
Lumber & Wood Products (24)	155,440,195	29,541,896	19,538	1,512	1,304	208
Stone, Clay, & Glass (32)	11,147,851	3,893,229	22,247	175	164	11
Fabricated Metal Products (34)	5,638,662	1,430,467	22,351	64	53	11
Machinery, incl. Computers (35)	102,949,282	18,606,381	29,487	631	587	44
Electronic Eqpt., ex. Comps. (36)	38,460,939	9,988,520	21,667	461	201	260
Transportation Equipment (37)	35,724,213	8,031,293	22,185	362	225	137
NONDURABLE GOODS	1,198,071,288	227,101,445	28,341	8,013	5,908	2,105
Food (20)	60,735,318	8,538,026	22,951	372	278	94
Textiles (22)	38,156,534	9,719,920	15,187	640	401	239
Paper (26)	822,481,943	151,149,795	37,422	4,039	3,729	310
Printing & Publishing (27)	36,283,933	13,663,291	24,311	562	358	204
Leather (31)	185,721,816	37,723,999	17,448	2,162	936	1,226
<u>Minor Civil Division</u>						
Bangor (020)	222,444,392	48,126,093	23,931	2,011	1,292	719
Brewer (050)	150,493,881	22,960,650	26,949	852	681	171
Burlington (060)	1,447,223	255,116	10,629	24	19	5
Carmel (070)	764,459	108,309	10,830	10	10	0
East Millinocket (130)	2,261,612	452,063	18,082	25	21	4
Enfield (200)	1,497,499	622,642	20,754	30	28	2
Greenbush (260)	3,358,189	521,073	14,474	36	30	6
Hampden (280)	22,408,310	4,954,242	22,018	225	166	59
Howland (310)	3,217,341	471,540	10,478	45	31	14
Lee (360)	1,364,956	334,471	11,945	28	26	2
Newport (470)	45,060,733	9,961,001	17,947	555	295	260
Old Town (480)	259,431,672	37,562,415	27,762	1,353	1,131	222
Orono (490)	11,643,884	2,265,736	13,486	168	115	53
Patten (520)	4,564,111	1,339,792	11,752	114	85	29
Winn (610)	8,448,083	1,014,929	13,354	76	75	1

**TABLE 6 (Continued)**                      **CENSUS OF MAINE MANUFACTURES**  
**BY COUNTY, MAJOR INDUSTRY & MINOR CIVIL DIVISION, 1990**

	Value of Product	Gross Wages	Average Wage	Number of Workers		
				Total	Male	Female
<b>PISCATAQUIS (21)</b>	\$ 151,281,462	\$ 43,237,159	\$ 18,612	2,323	1,399	924
<u>Major Industry</u>						
DURABLE GOODS	82,407,459	21,289,541	17,981	1,184	811	373
Lumber & Wood Products (24)	70,968,009	15,946,093	17,484	912	617	295
Stone, Clay, & Glass Prods. (32)	1,407,663	607,119	20,935	29	24	5
NONDURABLE GOODS	68,874,003	21,947,618	19,269	1,139	588	551
Printing & Publishing (27)	626,680	184,279	12,285	15	5	10
<u>Minor Civil Division</u>						
Dover-Foxcroft (070)	5,966,403	2,498,451	16,223	154	118	36
Greenville (090)	23,619,948	3,138,892	18,795	167	159	8
Guilford (100)	63,448,569	27,868,097	19,299	1,444	822	622
<b>SAGadahoc (23)</b>	897,094,002	329,632,470	28,849	11,426	9,807	1,619
<u>Major Industry</u>						
DURABLE GOODS	870,953,026	323,729,751	29,251	11,067	9,635	1,432
Lumber & Wood Products (24)	4,990,606	1,208,094	14,047	86	54	32
Transportation Equipment (37)						
NONDURABLE GOODS	26,140,976	5,902,719	16,442	359	172	187
Printing & Publishing (27)	2,571,697	973,894	15,965	61	21	40
<u>Minor Civil Division</u>						
Bath (020)	868,335,446	323,341,878	29,237	11,059	9,629	1,430
Georgetown (050)	1,135,773	332,336	19,549	17	15	2
Richmond (070)	22,573,779	4,223,626	15,759	268	114	154
Topsham (080)	3,718,271	1,454,207	22,372	65	4	2
<b>SOMERSET (25)</b>	877,645,306	112,822,082	23,029	4,899	3,028	1,871
<u>Major Industry</u>						
DURABLE GOODS	211,977,520	29,445,712	18,589	1,584	1,113	471
NONDURABLE GOODS	665,667,786	83,376,370	25,151	3,315	1,915	1,400
Food (20)	9,121,600	1,050,263	17,217	61	40	21
Textiles (22)	665,834	596,612	14,205	42	22	20
Apparel (23)	12,694,660	4,300,302	14,931	288	58	230
Paper (26)	504,072,053	51,551,670	43,320	1,190	1,003	187
Printing & Publishing (27)	1,300,911	360,088	11,252	32	14	18
Leather (31)	136,124,411	25,227,488	14,962	1,686	766	920
<u>Minor Civil Division</u>						
Somerset, County-Wide	3,192,055	704,651	20,725	34	32	2
Anson (010)	17,903,561	3,889,662	18,973	205	174	31
Bingham (030)	4,976,164	939,500	12,526	75	61	14
Detroit (100)	7,569,561	1,016,621	17,835	57	45	12
Fairfield (120)	37,147,513	801,959	15,422	52	41	11
Harmony (130)	8,545,355	1,544,348	12,065	128	32	96
Jackman (160)	30,713,451	5,147,613	24,867	207	194	13
Pittsfield (240)	97,607,271	18,491,865	16,364	1,130	476	654
Skowhegan (280)	411,941,840	48,157,838	29,045	1,658	1,000	658
Solon (300)	5,235,520	55,741	11,148	5	5	0
<b>WALDO (27)</b>	84,771,948	22,811,970	17,373	1,313	754	559
<u>Major Industry</u>						
DURABLE GOODS	27,926,623	9,110,642	19,550	466	351	115
Lumber & Wood Products (24)	16,916,876	4,620,759	19,831	233	177	56
Stone, Clay, & Glass (32)	1,875,500	623,133	15,977	39	29	10

**TABLE 6 (Continued) CENSUS OF MAINE MANUFACTURES  
BY COUNTY, MAJOR INDUSTRY & MINOR CIVIL DIVISION, 1990**

	Value of Product	Gross Wages	Average Wage	Number of Workers		
				Total	Male	Female
<b>WALDO (27)</b> (Continued)						
NONDURABLE GOODS	\$ 56,845,325	\$ 13,701,328	\$ 16,176	847	403	4444
Food (20)	24,825,837	4,694,862	13,005	361	150	211
Textiles (22)	10,102,477	2,531,065	19,469	130	64	66
Printing & Publishing (27)	10,098,992	2,579,826	15,635	165	88	77
<b>Minor Civil Division</b>						
Belfast (010)	42,554,508	10,530,720	15,022	701	311	390
Brooks (030)	406,051	150,397	10,026	15	7	8
Lincolntonville (110)	4,106,848	859,813	14,330	60	30	30
Monroe (120)	934,397	284,193	14,957	19	12	7
Stockton Springs (200)	685,788	297,607	11,022	27	17	10
Unity (240)	3,706,837	525,310	14,197	37	18	19
<b>WASHINGTON (29)</b>	357,595,600	51,560,576	23,695	2,176	1,590	586
<b>Major Industry</b>						
DURABLE GOODS	78,908,797	18,829,597	25,006	753	620	133
Lumber & Wood Products (24)	73,316,961	16,813,117	26,944	624	551	73
NONDURABLE GOODS	278,686,803	32,730,979	23,001	1,423	970	453
Food (20)	58,940,348	6,974,923	13,757	507	255	252
<b>Minor Civil Division</b>						
Baileyville (030)	248,916,999	34,117,086	33,745	1,011	863	148
Calais (070)	2,084,699	585,637	15,016	39	22	17
Danforth (170)	5,606,497	887,751	14,091	63	57	6
East Machias (200)	6,071,165	788,198	15,454	51	37	14
Eastport (210)	17,094,997	4,902,089	17,825	275	200	75
Jonesboro (240)	786,550	71,061	6,460	11	3	8
Lubec (260)	3,590,747	1,662,318	8,842	188	88	100
<b>YORK (31)</b>	1,538,407,900	321,562,988	25,036	12,844	7,909	4,935
<b>Major Industry</b>						
DURABLE GOODS	959,128,438	214,915,651	26,965	7,970	5,102	2,868
Lumber & Wood Products (24)	45,887,751	7,204,078	21,188	340	301	39
Stone, Clay, & Glass (32)	30,323,838	10,043,651	27,516	365	314	51
Fabricated Metals (34)	91,733,967	30,730,277	27,962	1,099	859	240
Machinery, incl. Computers (35)	36,702,011	11,338,501	27,996	405	327	78
Electronic Eqpt., ex. Comps. (36)	227,937,673	54,552,594	21,777	2,505	822	1,683
Instruments & Related Prods. (38)	18,710,301	5,376,486	23,581	228	158	70
NONDURABLE GOODS	579,279,462	106,647,337	21,880	4,874	2,807	2,067
Food (20)	7,961,714	1,558,000	17,908	87	58	29
Textiles (22)	50,731,778	13,948,514	17,951	777	371	406
Apparel (23)	67,433,495	14,146,867	17,705	799	303	496
Paper (26)	8,539,889	2,167,311	24,628	88	51	37
Printing & Publishing (27)	68,918,267	16,595,502	19,733	841	491	350
Chemicals (28)	25,636,771	3,641,295	37,930	96	70	26
Rubber & Plastics (30)	146,380,306	29,336,541	25,355	1,157	681	476
Leather (31)	196,409,207	23,351,562	24,789	942	714	228
<b>Minor Civil Division</b>						
Biddeford (050)	221,401,033	63,222,186	21,244	2,976	1,522	1,454
Cornish (070)	2,627,599	929,650	11,767	79	6	73
Hollis (100)	7,969,197	1,958,755	25,112	78	67	11
Kennebunk (110)	78,546,243	15,283,301	23,440	652	233	419
Kennebunkport (120)	2,064,284	894,366	16,874	53	25	28
Kittery (130)	35,623,420	7,648,921	29,194	262	168	94
Limerick (150)	27,356,346	4,884,000	24,178	202	176	26
Parsonsfield (210)	17,552,806	4,261,249	17,979	237	122	115
Saco (220)	110,163,500	30,971,946	27,555	1,124	845	279
Sanford (230)	308,294,242	74,295,663	22,561	3,293	1,652	1,641
Waterboro (260)	2,489,541	765,566	20,690	37	27	10
York (280)	7,451,181	2,016,950	18,335	110	40	70

TABLE 7

## CENSUS OF MAINE MANUFACTURES BY ECONOMIC AREA, 1990

AREA	NUMBER REPORTING	VALUE OF PRODUCT			EMPLOYMENT			UNIONIZED WORKERS	WAGES	
		\$	% CHANGE FROM		TOTAL	MALE	FEMALE		GROSS	AVERAGE
			1985	1989						
Augusta (12)	90	409,275,751			3,744	2,434	1,310	1,324	\$ 89,201,253	\$ 23,825
Bangor (20)	101	722,786,662			4,954	3,697	1,257	1,409	123,416,734	24,912
Bath - Brunswick (06)	61	923,955,768			11,668	9,970	1,698	8,435	335,946,351	28,792
Belfast (16)	70	79,110,258			1,248	711	537	96	21,566,764	17,281
Biddeford (03)	101	413,060,626			4,816	2,181	1,353	1,353	110,609,773	22,967
Bowdoin Harbor - Wiscasset (08)	71	34,134,152			518	365	153	0	9,985,956	19,277
Calais - Eastport (22)	83	340,924,247			1,923	1,410	513	762	47,111,476	24,498
Caribou - Presque Isle (30)	80	326,763,997			2,899	1,958	941	496	52,594,707	18,142
Central Penobscot (21)	20	33,022,905			177	160	17	99	4,401,180	24,865
Dover-Foxcroft (24)	57	138,883,715			2,185	1,268	917	51	41,377,277	18,936
Ellsworth (17)	141	460,774,601			2,945	2,143	802	1,016	81,210,386	27,575
Farmington (14)	98	675,361,233			3,635	2,481	1,154	1,685	96,624,370	26,581
Fort Kent - Allagash (29)	52	61,556,138			778	541	237	127	12,973,348	16,675
Greenville (23)	18	12,397,747			137	131	6	9	1,827,482	13,339
Houlton (28)	43	38,610,217			507	362	145	46	8,444,241	16,655
Kittery - York (01)	48	753,182,191			4,029	3,164	865	0	122,165,633	30,321
Lewiston - Auburn (07)	188	756,422,926			8,971	5,586	3,385	598	187,097,560	20,855
Lincoln - Howland (25)	60	175,887,394			1,273	1,102	171	613	32,043,030	25,171
Livermore Falls (11)	12	10,900,466			134	95	39	0	2,780,232	20,748
Madawaska - Van Buren (31)	-	-			-	-	-	-	-	-
Millinocket - East Millinocket (26)	-	-			-	-	-	-	-	-
Norway - Paris (10)	92	109,995,442			1,736	1,096	640	88	32,047,623	18,460
Patten - Island Falls (27)	46	47,051,722			483	392	91	137	7,996,342	16,555
Portland (04)	356	1,469,845,322			15,162	10,483	4,679	2,853	416,399,263	27,463
Rockland (09)	137	258,996,879			2,871	1,706	1,165	288	58,505,916	20,378
Rumford (13)	-	-			-	-	-	-	-	-
Sanford (02)	73	343,318,458			3,593	1,907	1,686	60	81,433,587	22,664
Sebago Lakes Region (05)	82	151,263,113			1,718	991	727	169	31,420,009	18,288
Skowhegan (18)	149	877,557,447			4,897	3,208	1,869	1,115	111,956,902	22,862
Southwest Penobscot (19)	37	202,806,398			2,324	1,229	1,095	50	40,841,805	17,573
Waterville (15)	61	326,751,044			3,835	2,381	1,454	2,368	94,449,791	24,628

NOTE: The total of the economic areas may not be equal to the total for the state due to the presence of nonclassifiable establishments and nondisclosable economic areas.  
 Due to the reorganization of the economic areas, percent changes from 1985 and 1989 are not meaningful.



TABLE 8

## MAINE CAPITAL EXPENDITURES BY ECONOMIC AREA, 1990

AREA	PLANT MODERNIZATION & EQUIPMENT						FOREIGN TRADE	
	TOTAL	NEW STRUCTURES	EXISTING STRUCTURES	EQUIPMENT	PLANNED		IMPORTS	EXPORTS
					1991	1992		
	\$	\$	\$	\$	\$	\$	\$	\$
Augusta (12)	14,069,265	2,082,803	0	11,986,462	11,456,136	9,700,352	13,449,784	3,686,386
Bangor (20)	32,283,448	4,679,840	0	27,603,608	31,032,166	7,694,581	29,557,947	29,722,663
Bath - Brunswick (06)	15,318,420	11,587,489	0	3,730,931	18,514,000	18,300,000	21,620	1,450,478
Belfast (16)	3,913,172	1,533,113	0	2,380,059	2,797,744	1,846,000	67,850	288,100
Biddeford (03)	13,446,904	1,568,461	0	11,878,443	12,566,324	12,732,824	9,405,572	33,958,602
Boothbay Harbor - Wiscasset (08)	1,012,603	511,389	9,700	491,514	535,680	456,500	258,800	8,290,505
Calais - Eastport (22)	19,471,641	5,841,736	60,000	13,569,905	19,531,313	10,477,600	14,337,198	74,273,464
Caribou - Presque Isle (30)	10,120,696	1,751,477	100,000	8,269,219	2,728,000	1,391,000	5,194,570	4,684,400
Central Penobscot (21)	1,826,273	5,628	500	1,820,145	983,089	304,000	0	0
Dover-Foxcroft (24)	6,918,454	2,415,166	20,000	4,483,288	3,938,324	2,981,434	8,655,057	13,194,329
Ellsworth (17)	23,404,735	9,074,400	600,500	13,729,835	24,349,645	18,565,650	92,790,672	5,874,245
Farmington (14)	39,736,121	5,795,128	35,000	33,905,993	32,609,165	37,495,850	35,703,843	26,230,263
Fort Kent - Allagash (29)	1,867,214	147,312	25,000	1,694,902	951,250	393,250	2,478,019	18,419,755
Greenville (23)	345,500	27,000	0	318,500	791,500	0	0	2,800,000
Houlton (28)	2,573,371	178,000	0	2,395,371	1,347,000	815,000	3,420,215	798,065
Kittery - York (01)	28,853,901	642,525	153,037	28,058,339	24,212,500	19,238,000	2,924,173	217,516,899
Lewiston - Auburn (07)	20,998,621	3,488,519	912,739	16,597,363	14,344,890	12,630,895	18,385,892	29,131,810
Lincoln - Howland (25)	20,076,022	850,144	46,452	19,179,426	16,998,000	16,940,000	5,785,685	3,947,092
Livermore Falls (11)	1,659,970	126,648	0	1,533,322	522,000	130,000	0	41,000
Madawaska - Van Buren (31)	-	-	-	-	-	-	-	-
Millinocket - East Millinocket (26)	-	-	-	-	-	-	-	-
Norway - Paris (10)	2,145,458	540,469	66,822	1,538,167	2,477,665	1,818,600	3,972,330	6,289,588
Patten - Island Falls (27)	1,151,437	141,974	0	1,009,463	1,775,000	911,760	3,743,000	1,964,634
Portland (04)	70,416,199	18,942,423	395,351	51,078,425	78,459,618	49,828,123	48,451,861	100,812,694
Rockland (09)	18,707,740	8,644,114	85,000	9,978,626	8,243,609	7,444,284	28,532,962	41,919,935
Rumford (13)	-	-	-	-	-	-	-	-
Sanford (02)	16,124,656	1,572,355	0	14,552,301	21,240,440	16,686,000	8,022,468	34,132,157
Sebago Lakes Region (05)	3,795,173	503,420	30,000	3,261,753	2,307,998	1,985,893	2,745,610	21,172,548
Skowhegan (18)	268,186,615	49,808,581	535,100	217,842,934	38,180,250	50,204,738	43,084,122	32,097,072
Southwest Penobscot (19)	581,379	98,795	0	482,584	1,195,500	82,000	11,049,747	2,821,200
Waterville (15)	16,367,020	2,226,251	80,000	14,060,769	15,360,546	6,633,900	16,575,741	2,519,220

NOTE: The total of these economic areas may not be equal to the total for the state due to the presence of nonclassifiable establishments and nondisclosable economic areas.

TABLE 9

**CENSUS OF MAINE MANUFACTURES  
BY ECONOMIC AREA & MAJOR INDUSTRY, 1990**

	Value of Product	Gross Wages	Average Wage	Number of Workers		
				Total	Male	Female
<b>AUGUSTA (12)</b>	\$ 409,275,751	\$ 89,201,253	\$ 23,825	3,744	2,434	1,310
DURABLE GOODS	133,267,441	37,504,085	27,904	1,344	781	563
NONDURABLE GOODS	276,008,310	51,697,168	21,540	2,400	1,653	747
Food (20)	37,023,084	4,188,290	22,762	184	150	34
Textiles (22)	68,971,605	16,506,305	18,778	879	572	307
Printing & Publishing (27)	21,816,568	7,292,381	20,599	354	219	135
<b>BANGOR (20)</b>	721,519,326	123,416,734	24,912	4,954	3,697	1,257
DURABLE GOODS	210,577,931	42,736,428	23,835	1,793	1,299	494
Lumber & Wood Products (24)	28,502,028	4,884,512	20,963	233	208	25
Electronic Eqpt., ex. Comps. (36)	38,460,939	9,988,520	21,667	461	201	260
Transportation Equipment (37)	35,511,763	8,014,171	22,138	362	225	137
NONDURABLE GOODS	510,941,395	80,680,306	25,523	3,161	2,398	763
Food (20)	48,087,730	7,430,687	23,005	323	249	74
Paper (26)	326,460,000	41,970,520	31,916	1,315	1,268	47
Printing & Publishing (27)	33,471,816	13,089,799	25,566	512	341	171
Leather (31)	43,413,226	11,158,050	15,497	720	296	424
<b>BATH-BRUNSWICK</b>	923,955,768	335,946,351	29,000	11,584	9,935	1,649
DURABLE GOODS	902,315,115	329,476,942	29,103	11,321	9,801	1,520
Lumber & Wood Products (24)	8,940,257	1,696,467	14,376	118	81	37
Stone, Clay, & Glass (32)	3,175,571	761,367	23,792	32	30	2
Fabricated Metals (34)	2,902,891	782,583	21,738	36	30	6
Transportation Equipment (37)	859,276,380	321,141,446	29,473	10,896	9,560	1,336
NONDURABLE GOODS	21,640,653	6,469,409	24,598	263	134	129
Printing & Publishing (27)	12,366,781	4,190,593	19,048	220	106	114
<b>BELFAST (16)</b>	84,512,170	19,276,759	20,269	951	588	363
DURABLE GOODS	27,172,716	8,965,145	19,703	455	342	113
Lumber & Wood Products (24)	16,326,219	4,516,732	19,985	226	171	55
Indust. & Comm. Machinery (35)	1,391,272	413,546	17,980	23	21	2
Transportation Equipment (37)	1,218,678	472,750	16,301	29	23	6
NONDURABLE GOODS	57,339,454	10,311,614	20,789	496	246	250
Textiles (22)	12,523,952	2,186,071	20,430	107	52	55
Printing & Publishing (27)	10,098,992	2,579,826	15,635	165	88	77
<b>BIDDEFORD (3)</b>	413,101,147	110,609,773	22,967	4,816	2,635	2,181
DURABLE GOODS	210,791,862	66,386,226	24,344	2,727	1,667	1,060
Stone, Clay, & Glass (32)	2,426,588	1,132,942	19,876	57	43	14
Indust. & Comm. Machinery (35)	26,590,267	8,652,465	28,841	300	240	60
Electronic Eqpt., ex. Comps. (36)	76,036,150	19,515,653	22,535	866	328	538
NONDURABLE GOODS	202,309,285	44,223,547	21,169	2,089	968	1,121
Printing & Publishing (27)	9,060,722	3,616,148	16,437	220	97	123
Rubber & Plastics (30)	74,523,934	13,617,323	24,713	551	242	309
Leather (31)	6,857,054	2,323,128	20,378	114	75	39
Miscellaneous (39)	1,961,051	661,498	18,374	36	21	15
<b>BOOTHBAY HARBOR-WISCASSET (08)</b>	30,232,470	9,985,956	19,277	518	365	153
DURABLE GOODS	24,747,974	8,810,175	20,827	423	325	98
Lumber & Wood Products (24)	3,049,919	816,551	17,011	48	45	3
Indust. & Comm. Machinery (35)	6,229,136	2,172,176	23,610	92	66	26
Transportation Equipment (37)	7,475,036	3,559,602	21,443	166	148	18
NONDURABLE GOODS	5,484,496	1,175,781	12,376	95	40	55
Printing & Publishing (27)	3,082,796	811,750	13,995	58	26	32

TABLE 9 (Continued)

**CENSUS OF MAINE MANUFACTURES  
BY ECONOMIC AREA & MAJOR INDUSTRY, 1990**

	Value of Product	Gross Wages	Average Wage	Number of Workers		
				Total	Male	Female
<b>CARIBOU-PRESQUE ISLE (30)</b>	\$ 326,763,997	\$ 51,637,103	\$ 18,363	2,812	1,906	906
DURABLE GOODS	95,719,325	21,675,361	18,384	1,179	849	330
Lumber & Wood Products (24)	80,416,148	15,540,518	20,831	746	653	93
Stone, Clay, & Glass (32)	1,456,540	366,301	14,652	25	20	5
Indust. & Comm. Machinery (35)	2,021,043	387,992	12,933	30	24	6
NONDURABLE GOODS	231,044,672	29,961,742	18,347	1,633	1,057	576
Paper (26)	17,016,898	2,736,290	24,875	110	100	10
Printing & Publishing (27)	4,914,020	1,355,175	14,892	91	46	45
<b>CENTRAL PENOBSCOT (21)</b>	33,022,905	4,401,180	24,865	177	160	17
<b>DOVER-FOXCROFT (24)</b>	138,883,715	41,377,277	18,936	2,185	1,268	917
DURABLE GOODS	70,148,491	19,479,655	18,587	1,048	681	367
Lumber & Wood Products (24)	58,719,041	14,140,820	18,199	777	488	289
Stone, Clay, & Glass (32)	1,397,663	602,506	21,518	28	23	5
NONDURABLE GOODS	68,735,224	21,897,622	19,259	1,137	587	550
<b>ELLSWORTH (17)</b>	460,714,601	81,210,386	28,910	2,809	2,084	725
<b>FARMINGTON (14)</b>	675,361,233	96,624,370	26,581	3,635	2,481	1,154
DURABLE GOODS	73,058,891	19,079,016	16,447	1,160	745	415
Lumber & Wood Products (24)	69,715,923	17,770,185	16,827	1,056	680	376
Indust. & Comm. Machinery (35)	525,941	142,597	12,963	11	9	2
NONDURABLE GOODS	602,302,342	77,545,354	31,331	2,475	1,736	736
Leather (31)	70,030,356	5,314,783	11,405	466	241	225
<b>FORT KENT-ALLAGASH (29)</b>	61,556,138	12,973,348	16,675	778	538	237
<b>GREENVILLE (23)</b>	12,397,747	1,862,566	12,500	149	143	6
<b>HOULTON (28)</b>	38,610,217	8,444,251	16,655	507	362	145
DURABLE GOODS	26,268,641	5,704,708	16,631	343	272	71
Lumber & Wood Products (24)	17,017,881	3,269,060	16,594	197	168	29
NONDURABLE GOODS	12,341,576	2,739,543	16,704	164	90	74
Food (20)	10,098,763	2,153,280	20,313	106	75	31
<b>KITTERY-YORK (01)</b>	753,424,341	122,193,314	30,328	4,029	3,164	865
DURABLE GOODS	494,806,245	88,857,245	33,455	2,656	2,132	524
Lumber & Wood Products (24)	2,026,801	441,642	17,665	25	21	4
Indust. & Comm. Machinery (35)	1,733,544	605,861	25,244	24	18	6
NONDURABLE GOODS	258,618,096	33,336,069	24,279	1,373	1,032	341
<b>LEWISTON-AUBURN (07)</b>	756,956,463	187,097,560	20,855	8,971	5,586	3,385
DURABLE GOODS	155,881,279	50,874,973	23,884	2,130	1,591	539
Lumber & Wood Products (24)	6,712,121	2,823,478	18,334	154	128	26
Furniture (25)	10,015,201	3,321,199	22,141	150	109	41
Stone, Clay, & Glass (32)	17,098,714	4,998,338	21,922	228	198	30
Fabricated Metals (34)	21,884,041	5,459,210	28,732	190	166	24
Indust. & Comm. Machinery (35)	25,706,135	8,144,848	21,604	377	289	88

TABLE 9 (Continued)

**CENSUS OF MAINE MANUFACTURES  
BY ECONOMIC AREA & MAJOR INDUSTRY, 1990**

	Value of Product	Gross Wages	Average Wage	Number of Workers		
				Total	Male	Female
<b>LEWISTON-AUBURN (07) (con.)</b>						
NONDURABLE GOODS	\$ 601,075,184	\$ 136,222,587	\$ 19,912	6,841	3,995	2,846
Food (20)	121,996,269	19,039,280	27,633	689	534	155
Textiles (22)	83,279,624	21,597,342	21,111	1,023	702	321
Apparel (23)	1,576,754	850,016	11,805	72	26	46
Paper (26)	116,285,758	20,090,959	24,988	804	533	271
Printing & Publishing (27)	47,542,972	15,738,582	20,956	751	430	321
Rubber & Plastics (30)	141,982,911	31,709,805	19,549	1,622	979	643
Leather (31)	79,744,437	24,041,218	14,125	1,702	724	978
Miscellaneous (39)	13,016,599	2,760,116	17,807	155	52	103
<b>LINCOLN-HOWLAND (25)</b>	175,887,394	32,043,030	25,171	1,273	1,102	171
<b>LIVERMORE FALLS (11)</b>	10,900,466	2,780,232	20,748	134	95	39
<b>MADAWASKA-VAN BUREN (31)</b>	-	-	-	-	-	-
<b>MILLINOCKET-EAST MILLINOCKET (26)</b>	-	-	-	-	-	-
<b>NORWAY-PARIS (10)</b>	109,995,442	32,047,623	18,460	1,736	1,096	640
DURABLE GOODS	66,938,342	20,037,103	19,247	1,041	707	334
Lumber & Wood Products (24)	4,936,745	12,191,718	18,223	669	490	179
Indust. & Comm.Machinery (35)	11,154,042	3,750,275	28,411	132	124	8
NONDURABLE GOODS	43,057,100	12,010,520	17,281	695	389	306
<b>PATTEN-ISLAND FALLS (27)</b>	47,051,722	7,996,342	16,555	483	392	91
<b>PORTLAND (04)</b>	1,402,503,981	416,493,000	27,489	15,151	10,465	4,676
DURABLE GOODS	472,601,076	180,073,664	27,797	6,478	4,446	2,022
Lumber & Wood Products (24)	45,754,807	12,856,413	20,214	636	463	173
Furniture & Fixtures (25)	2,105,640	784,640	17,436	45	36	9
Stone, Clay, & Glass (32)	9,700,322	2,976,925	26,113	114	104	10
Primary Metals (33)	1,724,482	583,846	20,851	28	24	4
Fabricated Metals (34)	63,553,371	18,253,964	26,963	677	549	118
Indust. & Comm.Machinery (35)	142,855,375	51,530,803	28,375	1,816	1,450	366
Electronic Eqpt., ex. Comps. (36)	162,245,649	81,318,152	29,732	2,735	1,568	1,167
Transportation Equipment (37)	6,650,030	2,546,779	23,152	110	91	19
Measuring Equipment (38)	38,011,400	9,222,142	29,091	317	161	156
NONDURABLE GOODS	929,902,905	236,419,336	27,259	8,673	6,019	2,654
Food (20)	325,231,864	47,596,768	23,217	2,050	1,573	477
Textiles (22)	3,805,235	1,865,209	19,032	98	44	54
Apparel (23)	7,026,762	3,095,746	14,332	216	84	132
Printing & Publishing (27)	103,352,265	36,975,820	23,299	1,587	901	686
Chemicals (28)	21,201,915	6,294,360	28,352	222	105	117
Rubber & Plastics (30)	28,797,662	7,539,066	21,540	350	256	94
Leather (31)	89,468,431	28,023,057	18,448	1,519	794	725
Miscellaneous (39)	6,526,403	2,173,665	18,266	119	50	69
<b>ROCKLAND (09)</b>	252,663,321	58,505,916	20,954	2,792	1,684	1,108
DURABLE GOODS	106,619,383	29,364,123	22,144	1,326	932	394
Lumber & Wood Products (24)	2,630,925	397,316	13,243	30	27	3
Fabricated Metals (34)	12,401,895	3,546,798	20,267	175	146	29
Indust. & Comm.Machinery (35)	13,126,335	3,148,900	25,810	122	110	12
Transportation Equipment (37)	16,773,395	6,669,140	21,540	311	272	39
NONDURABLE GOODS	146,043,938	29,141,793	19,878	1,466	752	714
Food (20)	21,684,266	5,694,094	17,849	319	169	150
Apparel (23)	6,246,697	4,110,868	14,526	283	89	194
Printing & Publishing (27)	16,676,554	4,989,838	19,045	262	94	168
Miscellaneous (39)	3,617,837	1,488,436	17,108	87	45	42

TABLE 9 (Continued)

**CENSUS OF MAINE MANUFACTURES  
BY ECONOMIC AREA & MAJOR INDUSTRY, 1990**

	Value of Product	Gross Wages	Average Wage	Number of Workers		
				Total	Male	Female
<b>RUMFORD (13)</b>	-	-	-	-	-	-
<b>SANFORD (02)</b>	\$ 321,318,458	\$ 81,433,587	\$ 22,664	3,593	1,907	1,686
DURABLE GOODS	218,898,922	56,517,954	23,470	2,408	1,212	1,196
Stone, Clay, & Glass (32)	25,907,872	8,386,656	29,634	283	249	34
Fabricated Metals (34)	9,883,407	1,865,583	24,874	75	58	17
Indust. & Comm. Machinery (35)	5,031,235	2,037,609	25,792	79	67	12
Electronic Eqpt., ex. Comps. (36)	143,813,250	32,822,976	21,823	1,504	438	1,066
NONDURABLE GOODS	102,419,536	24,915,633	21,025	1,185	695	490
Textiles (22)	19,998,527	6,034,620	15,086	400	176	224
Printing & Publishing (27)	6,248,611	1,844,582	19,214	96	31	65
<b>SEBAGO LAKES REGION (05)</b>	151,263,113	31,420,009	18,288	1,718	991	727
DURABLE GOODS	60,368,269	18,385,126	20,427	900	674	226
Lumber & Wood (24)	25,519,244	6,657,966	17,613	378	297	81
Indust. & Comm. Machinery (35)	8,811,638	4,775,170	28,089	170	147	23
NONDURABLE GOODS	90,894,844	13,034,883	15,935	818	317	501
Apparel (23)	2,480,188	1,326,305	11,842	112	10	102
Printing & Publishing (27)	1,214,153	380,114	15,204	25	9	16
<b>SKOWHEGAN (18)</b>	877,557,447	111,956,902	22,862	4,897	3,028	1,869
DURABLE GOODS	211,889,661	28,580,532	18,066	1,582	1,113	469
NONDURABLE GOODS	665,667,786	83,376,370	25,151	3,315	1,915	1,400
Food (20)	9,121,600	1,050,263	17,217	61	40	21
Textiles (22)	665,834	596,612	14,205	42	22	20
Apparel (23)	12,694,660	4,300,302	14,931	288	58	230
Paper (26)	504,072,053	51,551,670	43,320	1,190	1,003	187
Printing & Publishing (27)	1,300,911	360,088	11,257	32	14	18
Leather (31)	136,124,411	25,227,488	14,962	1,686	766	920
<b>SOUTHWEST PENOBSCOT (19)</b>	202,806,398	36,673,834	18,110	2,025	1,033	992
DURABLE GOODS	15,161,058	4,115,015	17,169	242	192	50
NONDURABLE GOODS	187,645,340	32,518,819	18,238	1,783	841	942
Printing & Publishing (27)	2,143,650	358,597	11,567	31	12	19
<b>WATERVILLE (15)</b>	327,536,919	94,763,424	24,710	3,835	2,381	1,454
DURABLE GOODS	46,457,430	15,551,932	27,332	569	513	56
Fabricated Metals (34)	7,234,029	2,226,302	21,202	105	89	16
Indust. & Comm. Machinery (35)	28,073,244	9,503,336	32,657	291	269	22
NONDURABLE GOODS	281,079,489	79,211,492	24,253	3,266	1,868	1,398
Paper (26)	207,891,009	51,956,063	29,554	1,758	1,310	448
Printing & Publishing (27)	13,590,704	5,403,261	23,189	233	147	86

NOTE: The total of these economic areas may not be equal to the total for the state due to the presence of nonclassifiable establishments and nondisclosable economic areas.

TABLE 10

## CENSUS OF MAINE MANUFACTURES BY PLANT SIZE, 1990

ESTABLISHMENTS EMPLOYING:	NUMBER REPORTING	VALUE OF PRODUCT			EMPLOYMENT			UNIONIZED WORKERS	WAGES	
		\$	% CHANGE FROM 1985    1989		TOTAL	MALE	FEMALE		GROSS	AVERAGE
0 - 50	2,072	1,518,257,560	37.9	3.2	16,509	11,613	4,896	500	\$309,136,604	\$ 18,725
51 - 100	136	765,813,743	-0.8	-12.0	9,515	6,356	3,159	981	189,048,284	19,868
101 - 250	111	1,587,831,456	18.9	-14.9	17,077	10,691	6,386	2,921	372,151,835	21,792
251 - 500	43	1,673,182,084	8.2	-17.8	14,954	8,771	6,183	2,150	328,951,185	21,997
501 - 1000	21	2,345,341,462	28.1	39.0	14,527	10,297	4,230	8,407	408,362,072	28,110
1001 and Over	10	3,446,206,333	50.3	3.9	24,507	19,623	4,884	14,043	800,580,903	32,667
Inactive or Out of Business	153	69,486,177	-18.1	15.0	2,593	1,690	903	135	74,979,824	28,916

ESTABLISHMENTS EMPLOYING:	PLANT MODERNIZATION & EQUIPMENT						FOREIGN TRADE	
					PLANNED		IMPORTS	EXPORTS
	TOTAL	NEW STRUCTURES	EXISTING STRUCTURES	EQUIPMENT	1991	1992		
	\$	\$	\$	\$	\$	\$	\$	\$
0 - 50	56,606,176	11,223,232	1,986,823	43,396,121	33,002,100	19,805,649	39,346,718	92,487,344
51 - 100	21,352,688	4,805,847	102,602	16,444,239	16,952,836	13,049,760	19,940,056	49,597,255
101 - 250	61,627,503	14,086,916	912,739	46,627,848	55,596,355	31,510,000	71,408,580	89,694,535
251 - 500	45,581,389	5,554,907	0	40,026,482	40,320,790	36,008,375	95,849,639	89,289,472
501 - 1000	459,031,362	68,550,852	153,037	390,327,473	144,311,550	81,858,000	105,970,675	234,618,990
1001 and Over	140,320,941	32,779,017	0	107,541,924	141,882,671	144,538,717	303,002,011	206,575,036
Inactive or Out of Business	750,827	100,108	0	650,719	46,500	15,500	9,215,339	733,444

## **APPENDIX A**

### **Technical Notes and Definitions**

**AVERAGE GROSS WAGES** is the figure obtained by dividing GROSS WAGES by the TOTAL EMPLOYMENT.

**CIVIL DIVISIONS** are geographical units of government. Major civil divisions are counties; minor civil divisions are cities, towns, plantations, and townships.

**ECONOMIC AREAS** are defined in Appendix C.

**EMPLOYMENT** is the number of employees reported in each month, as of the payroll period including the 12th of the month, averaged at the establishment level over the full twelve months.

**ESTABLISHMENT** is defined as a single physical location where industrial operations are performed; it is, therefore, a place of business rather than a legal entity or company which may have units in many locations. Where appropriate (e.g., logging operations) combined reports have been assigned to no specific civil division, merely to the county in which said principal location is found. A small number of multi-county operations report on a statewide basis.

**EXPENDITURES FOR PLANT MODERNIZATION AND EQUIPMENT** (or Capital Expenditures) is the actual amount spent during the survey year and planned for the two succeeding years for three categories: New Structures and/or Additions or Alterations to Existing Structures; Purchase of Existing Structures; and Purchase of New or Used Machinery or Equipment. Land costs are excluded.

**FOREIGN TRADE - EXPORTS** is the sales value of goods manufactured at an establishment that were shipped to foreign countries either directly or via out-of-state agents. **IMPORTS** is the cost of materials imported from foreign countries for use in the manufacturing process at an establishment.

**GROSS WAGES** shows total earnings during the calendar year of all employees before deductions, as reported to the Maine Bureau of Employment Security for Unemployment Insurance taxes. Before 1976, executives were excluded and wages were reported directly to the Bureau of Labor Standards. Because various fringe benefits such as payroll taxes, insurance, etc. paid by employers, are excluded, this data does not represent total labor costs on the part of the employer.

**SPECIAL STUDIES** from Census data are available upon written request to James H. McGowan, Director, Bureau of Labor Standards, State House Station #45, Augusta, Maine 04333-0045. The Bureau reserves the right to reject any request or to charge for costs incurred.

**STANDARD INDUSTRIAL CLASSIFICATION (SIC)** The Standard Industrial Classification system as compiled by the Executive Office of the President, Office of Management and Budget, was used to determine the industry title applicable to each establishment. Descriptions of major industry groups may be found in Appendix B. Each establishment has been classified according to its principal activity.

**VALUE OF PRODUCT** is the net selling price of all goods manufactured or processed during the calendar year. If industrial operations were on a contractual basis, the total of amounts received for contract work or services performed has been included.

**WORKERS UNDER UNION CONTRACT** is the number of workers organized under a union contract and/or a collective bargaining agreement. It represents the number from one representative payroll period; the comparative figure for NUMBER OF WORKERS is an average for the year.

# **APPENDIX A (Continued)**

Shown below is a copy of the 1990 Census of Maine Manufactures form mailed to Maine's manufacturing establishments in April, 1991.

Bureau of Labor Standards  
Mail Station 45  
Augusta, Maine 04333  
Telephone No. 207-289-6446

**IMPORTANT:** The filing of this report is required of all manufacturers and processors in the State of Maine under Title 26, Secs. 42, 43, 46, RS 1964. Penalties for failure or neglect to file are \$25 to \$100 fine, imprisonment up to 30 days or both. When, for any reason it is impossible to furnish exact answers to any inquiry, make the best possible estimate and add the letter "E" to so indicate. **PLEASE READ THE INSTRUCTIONS ON THE BACK OF THIS REPORT.**

RETAIN THIS COPY FOR YOUR FILES

**COMPLETE AND RETURN THIS REPORT BY**  
APRIL 30, 1991  
Retain Unlabeled Copy for your Files  
Please Make Necessary Changes  
To Address Label

## **CENSUS OF MAINE MANUFACTURES 1990**

### **I. ESTABLISHMENTS COVERED IN THIS REPORT**

If this report covers two or more establishments in different locations, please give approximate percent of operation in each location.

(City or Town name if different from mail address)	(County)	(Number of Units)	(Approximate % of Operation)
_____	_____	_____	_____

### **II. DESCRIPTION, QUANTITY, AND VALUE OF PRODUCTS**

A. Description of Principal Products Produced (List Items Separately)	B. Principal Materials Used for Each Product Listed	C. Was Material Used Produced in this Establishment?		D. Quantity Produced (Indicate Unit of Measure)	E. Gross Value of Product (Omit Cents)
		Yes	No		
1.					\$
2.					
3.					
4.					
5.					
6. All Other Products					
7. Receipts for work done by you on material owned by others, etc. (Contract or job work)					
8. Receipts for custom work, repairing, and/or installation of your own product. (Sales of Scrap and waste recovery)					
9. Re-sale of products purchased without further manufacture					
TOTAL OF LINES 1-9					

III. CAPITAL EXPENDITURES (Exclude land costs)	Amount Actually Spent in 1990	Amount of Planned Expenditures for	
		1991	1992
A. New Structures and/or Additions or Alterations to Existing Structures			
B. Purchase of Existing Structures			
C. Purchase of New or Used Machinery and Equipment			

### **IV. EXPORTS — IMPORTS (Foreign Trade)**

A. Estimated value of exports  
\$ \_\_\_\_\_

B. Estimated value of imports  
\$ \_\_\_\_\_

### **V. UNION STATUS**

Is this establishment organized under a union contract and/or collective bargaining agreement? ☐ No ☐ Yes

If Yes, please fill in the following information:

Name of Union \_\_\_\_\_

Number of workers covered by union contract \_\_\_\_\_

**IF YOU HAD NO TEMPORARY CONTRACT EMPLOYEES, PLEASE CHECK THIS BLOCK  
AND ITEM VI ON THE REVERSE SIDE OF THIS REPORT MAY BE OMITTED.**

☐

**PLEASE NOTE: THESE DATA ARE STRICTLY CONFIDENTIAL AND WILL NOT BE DIVULGED  
IN ANY WAY WHICH WILL REVEAL INDIVIDUAL INFORMATION. DATA ARE USED IN SUMMARY  
TABULATIONS ONLY.**

According to law, the Director of the Bureau of Labor may furnish a written or printed list of interrogatories and require full and complete answers thereto under oath. Pursuant thereto, I, the undersigned, have examined this report and to the best of my knowledge and belief it is a true and correct and complete return.

Name (print or type) .....

Signature .....

Official Title .....

Telephone Number of Firm .....



## APPENDIX A (Continued)

Total cost of temporary contract labor  
purchased during the year. \$ \_\_\_\_\_

The object of this question is to determine the number of temporary workers contracted through the employment agencies used in manufacturing in a manner that is as close as possible to that used to report regular employees. The monthly number of workers should be for the week including the 12th of the month.

### B. Number of Temporary Contract Workers

Calendar 1990	NUMBER OF WORKERS (By Sex)		
	MALE	FEMALE	TOTAL
January			
February			
March			
April			
May			
June			
July			
August			
September			
October			
November			
December			

### FOR OFFICE USE ONLY

12 month total			
12 month average			

## INSTRUCTIONS and EXPLANATION NOTES

**GENERAL:** If this establishment has been sold to others, or has gone out of business, return this form with the name and address of the successor, if any, and the date of such sale or discontinuance. This schedule must be filed to reflect manufacturing operations during the year even though address discontinued business during or after that year. **PARTIAL REPORTS ARE THEREFORE REQUIRED.** New firms organized or beginning operations during the year must also file.

The purpose of this report is to determine the condition of industry in the state for the calendar year under consideration and it is clear that the inclusion in our tabulation of reports for establishments filed under a fiscal year basis which do not reflect calendar year data can only operate to defeat this purpose. It is necessary therefore that this report be prepared to reflect calendar year operations, subject to this consideration: If in the considered judgment of the responsible authority in the reporting manufacturer's organization, the financial data called for in the schedule do not materially differ, whether on a calendar or fiscal basis, fiscal year figures will be accepted as representative of the calendar year operations. **HOWEVER, THE NUMBER OF CONTRACT WORKERS AND COSTS SHOULD BE REPORTED ON A CALENDAR YEAR BASIS IN EVERY CASE.**

**ITEM I:** List cities or towns in which the establishments are located. Also indicate the number of establishments or separate production units located at that city or town which are covered or included within this report. If any change has taken place in the name, address or location please make the necessary changes on the address label.

**ITEM II:** Describe and list separately your products as fully as possible in column (A). In column (B) indicate the basic materials used to make each item, and in column (C) check whether the basic materials were produced in the same establishment. Indicate in column (D) the quantity produced and also the unit of measure (example: cubic feet, cords, thousand board feet, quarts, gallons, pounds). In column (E) state manufacturer's selling value at this establishment of all goods produced during the year whether sold or not. **DO NOT** consider your annual sales as representing your product value unless they are identical. Sub-item 7 is found principally in the textile finishing, apparel, logging, and lumbering industries where certain operations are performed on materials owned by others — total receipts for such work should be reported.

**ITEM III:** The purpose of this inquiry is to determine the amounts invested or to be invested in the physical productive capacity of the State's manufacturing industries. It is highly important that we have an indication of the planned investment as well as that which has already been effected. The figures are confidential and released only in summary form.

**ITEM IV:** A. Enter the estimated sales value of goods manufactured at this establishment that were shipped to foreign countries, either directly or via out-of-state agents.

B. Enter the estimated cost of materials imported from foreign countries for use in the manufacturing process at this establishment.

**PLEASE READ INSTRUCTIONS —** If you have further questions, please contact this office.

BUREAU OF LABOR STANDARDS  
DIVISION OF RESEARCH AND STATISTICS  
STATE HOUSE STATION 45  
AUGUSTA, MAINE 04333  
TELEPHONE No. 207-289-6446

## APPENDIX B

### Major Industry Descriptions, 1987 SIC

#### THE DIVISION AS A WHOLE

The manufacturing division includes establishments engaged in the mechanical or chemical transformation of materials or substances into new products. These establishments are usually described as plants, factories, or mills and characteristically use power driven machines and materials handling equipment. Establishments engaged in assembling component parts of manufactured products are also considered manufacturing if the new product is neither a structure nor other fixed improvement. Also included is the blending of materials, such as lubricating oils, plastics, resins, or liquors.

The materials processed by manufacturing establishments include products of agriculture, forestry, fishing, mining, and quarrying as well as products of other manufacturing establishments. The new product of a manufacturing establishment may be "finished" in the sense that it may be "semi-finished" to become a raw material for an establishment engaged in further manufacturing. For example, the product of the copper smelter is the raw material used in electrolytic refineries; refined copper is the raw material used by certain electrical equipment manufacturers.

The materials used by manufacturing establishments may be purchased directly from producers, obtained through customary trade channels, or secured without recourse to the market by transferring the product from one establishment to another which is under the same ownership. Manufacturing production is usually carried on for the wholesale market, for interplant transfer, or to order for industrial users, rather than for direct sale to the domestic consumer.

**20 FOOD AND KINDRED PRODUCTS:** This major group includes establishments manufacturing or processing food and beverages for human consumption and certain related products, such as manufactured ice, chewing gum, vegetable and animal fats and oils, and prepared feeds for animals and fowls.

**22 TEXTILE MILL PRODUCTS:** This major group includes establishments engaged in performing any of the following operations: (1) preparation of fiber and subsequent manufacturing of yarn, thread, braids, twine, and cordage; (2) manufacturing broad woven fabric, narrow woven fabric, knit fabric, and carpets and rugs from yarn; (3) dyeing and finishing fiber, yarn, fabric, and knit apparel; (4) coating, waterproofing, or otherwise treated fabric; (5) the integrated manufacture of knit apparel and other finished articles from yarn; and (6) the manufacture of felt goods, lace goods, nonwoven fabrics, and miscellaneous textiles.

This classification makes no distinction between the two types of organizations which operate in the textile industry:

(1) the "integrated" mill which purchases materials, produces textiles, and related articles within the establishment, and sells the finished products; and (2) the "contract" or "commission" mill which processes materials owned by others. Converters or other manufacturing industries; establishments which assign materials to contract mills for processing (other than knitting) are classified in nonmanufacturing industries; establishments which assign yarns to outside contractors or commission knitters for the production of knit products are also classified in this Group.

**23 APPAREL AND OTHER FINISHED PRODUCTS MADE FROM FABRICS AND SIMILAR MATERIALS:**

This major group, known as the cutting-up and needle trades, includes establishments producing clothing and fabricating products by cutting and sewing purchased woven or knit textile fabrics and related materials, such as leather, rubberized fabrics, plastics, and furs.

Included in the apparel industries are three types of establishments: (1) the "regular" or insider factories, (2) contract factories, and (3) apparel jobbers. The regular factories perform all of the usual manufacturing functions within their own plant; the contract factories manufacturing apparel from materials owned by others; and apparel jobbers perform the entrepreneurial functions of a manufacturing company, such as buying raw materials, designing and preparing samples, arranging for the manufacture of the garments from their materials and selling of the finished apparel.

Custom tailors and dressmakers not operating on a factory basis are classified in Retail Trade; establishments which purchase and resell finished garments but do not perform the functions of the apparel jobbers are classified in Wholesale Trade.

## **APPENDIX B (Continued)**

**24 LUMBER AND WOOD PRODUCTS, EXCEPT FURNITURE:** This major group includes logging camps engaged in cutting timber and pulpwood; merchant sawmills, lath mills, shingle mills, cooperage stock mills, planing mills, and plywood mills and veneer mills engaged in producing lumber and wood basic materials; and establishments engaged in manufacturing finished articles made entirely or mainly of wood or wood substitutes. Certain types of establishments producing wood products are classified elsewhere. For example, furniture and office and store fixtures are classified in Major Group 25; musical instruments, toys, and playground equipment, and caskets in Major Group 39. Woodworking in connection with construction, in the nature of reconditioning and repair, or performed to individual order, is classified in nonmanufacturing industries.

**25 FURNITURE AND FIXTURES:** This major group includes establishments engaged in manufacturing household, office, public building, and restaurant furniture; and office and store fixtures. Establishments primarily engaged in the production of millwork and wood kitchen cabinets are classified in Major Group 24; cut stone and concrete furniture in Major Group 32; laboratory and hospital furniture in Major Group 38; beauty and barber shop furniture in Major Group 39; and woodworking to individual order or in the nature of reconditioning and repair in nonmanufacturing industries.

**26 PAPER AND ALLIED PRODUCTS:** This major group includes the manufacture of pulps from wood and other cellulose fibers and from rags; the manufacture of paper and paperboard; and the manufacture of paper and paperboard into converted products, such as paper coated off the paper machine, paper bags, paper boxes, and envelopes. Certain types of converted paper products are classified elsewhere, such as abrasive paper in Major Group 32; carbon paper in Major Group 39; and photosensitized and blueprint paper in Major Group 38.

**27 PRINTING, PUBLISHING, AND ALLIED PRODUCTS:** This major group includes establishments engaged in printing by one or more of the common processes, such as letter press, lithography, gravure, or screen; and those establishments which perform services for the printing trade, such as bookbinding, typesetting, engraving, photoengraving, and electrotyping. This major group also includes establishments engaged in publishing newspapers, books, and periodicals, regardless of whether or not they do their own printing. News syndicates are classified in Service Industries, and textile printing and finishing in Major Group 22.

**28 CHEMICALS AND ALLIED PRODUCTS:** This major group includes establishments producing basic chemicals and establishments manufacturing products by predominantly chemical processes. Establishments classified in this major group manufacture three general classes of products: (1) basic chemicals, such as acids, alkalies, salts, and organic chemicals; (2) chemical products to be used in further manufacture, such as synthetic fibers, plastics materials, dry colors, and pigments; (3) finished chemical products to be used for ultimate consumption, such as drugs, cosmetics, and soaps; or to be used as materials or supplies in other industries, such as paints, fertilizers, and explosives. The mining of natural rock salt is classified in mining industries. Establishments primarily engaged in manufacturing nonferrous metals and high percentage ferrous alloys are classified in Major Group 33; silicon carbide in Major Group 32; baking powder, other leavening compounds, and starches in Major Group 20; and artists' colors in Major Group 39. Establishments primarily engaged in packaging, repackaging, and bottling of purchased chemical products, but not engaged in manufacturing chemicals and allied products, are classified in trade industries.

**29 PETROLEUM REFINING AND RELATED INDUSTRIES:** This major group includes establishments primarily engaged in petroleum refining, manufacturing paving and roofing materials, and compounding lubricating oils and greases from purchased materials. Establishments manufacturing and distributing gas to consumers are classified in public utilities industries, and those primarily engaged in producing coke and by-products in Major Group 33.

**30 RUBBER AND MISCELLANEOUS PLASTICS PRODUCTS:** This major group includes establishments manufacturing from natural, synthetic, or reclaimed rubber, gutta-percha, balata, or gutta slak, rubber products such as tires, rubber footwear, mechanical rubber goods, heels and soles, flooring, and rubber sundries. This group also includes establishments primarily manufacturing tires, but establishments primarily recapping and retreading automobile tires are classified in Services. This group also includes establishments engaged in molding primary plastics for the trade, and manufacturing miscellaneous finished plastics products. The manufacture of elastic webbing is classified in Major Group 22; products made of elastic webbing and garments made from the rubberized fabrics in Major Group 23; and synthetic rubber in Major Group 28.

**31 LEATHER AND LEATHER PRODUCTS:** This major group includes establishments engaged in tanning, currying, and finishing hides and skins, and establishments manufacturing finished leather and artificial leather products and some similar products made of other materials. Leather converters are also included.

## **APPENDIX B (Continued)**

**32 STONE, CLAY, GLASS AND CONCRETE PRODUCTS:** This major group includes establishments engaged in manufacturing flat glass and other glass products, cement, structural clay products, pottery, concrete and gypsum products, cut stone, abrasive and asbestos products, etc., from materials taken principally from the earth in the form of stone, clay, and sand. When separate reports are available for mines and quarries operated by manufacturing establishments classified in this major group, the mining quarrying activities other than those of Minerals, ground or treated, are classified herein with the manufacturing operations.

If separate reports are not available for crushing, grinding, and other preparation activities of Minerals, ground or treated, these establishments are classified in Mining.

**33 PRIMARY METAL INDUSTRIES:** This major group includes establishments engaged in the smelting and refining of ferrous and nonferrous metals from ore, pig, or scrap; in the rolling, drawing, and alloying of ferrous and nonferrous metals; in the manufacture of castings and other basic products of ferrous and nonferrous metals; and in the manufacture of nails, spikes, and insulated wire and cable. This major group also includes the production of coke. Establishments primarily engaged in manufacturing metal forgings or stampings are classified in Major Group 34.

**34 FABRICATED METAL PRODUCTS, EXCEPT MACHINERY AND TRANSPORTATION EQUIPMENT:** This major group includes establishments engaged in fabricating ferrous and nonferrous metal products such as metal cans, tinware, hand tools, cutlery, general hardware, and nonelectric heating apparatus, fabricated structural metal products, metal forgings, metal stampings, ordnance (except vehicles and guided missiles), and a variety of metal and wire products not elsewhere classified. Certain important segments of the metal fabricating industries are classified in other major groups, such as machinery in Major Groups 35 and 36; transportation equipment, including tanks, in Major Group 37; professional scientific and controlling instruments, watches and clocks in Major Group 38; and jewelry and silverware in Major Group 39. Establishments primarily engaged in producing ferrous and nonferrous metals and their alloys are classified in Major Group 33.

**35 INDUSTRIAL AND COMMERCIAL MACHINERY AND COMPUTER EQUIPMENT:** This major group includes establishments engaged in manufacturing industrial and commercial machinery and equipment and computers. Included are the manufacture of engines and turbines; farm and garden machinery; construction, mining, and oil field machinery; elevators; metalworking machinery; special industry machinery; computer and peripheral equipment and office machinery; and refrigeration and service industry machinery. Machines powered by built-in or detachable motors ordinarily are included in this major group, with the exception of electrical household appliances.

**36 ELECTRONIC AND OTHER ELECTRICAL EQUIPMENT AND COMPONENTS, EXCEPT COMPUTER EQUIPMENT:** This major group includes establishments engaged in manufacturing machinery, apparatus, and supplies for the generation, storage, transmission, transformation, and utilization of electrical energy. The manufacture of household appliances is included in this group, but industrial machinery and equipment powered by built-in or detachable electric motors is classified in Major Group 35. Establishments primarily engaged in manufacturing instruments for indicating, measuring, and recording electrical quantities are classified in Major Group 38.

**37 TRANSPORTATION EQUIPMENT:** This major group includes establishments engaged in manufacturing equipment for transportation of passengers and cargo by land, air and water. Important products produced by establishments classified in this major group include motor vehicles, aircraft, guided missiles and space vehicles, ships, boats, railroad equipment, and miscellaneous transportation equipment such as motorcycles, bicycles, and snowmobiles. Establishments primarily engaged in manufacturing mobile homes are classified in Major Group 24.

**38 MEASURING, ANALYZING, AND CONTROLLING INSTRUMENTS, PHOTOGRAPHIC, MEDICAL, AND OPTICAL GOODS; WATCHES AND CLOCKS:** This major group includes establishments engaged in Manufacturing instruments (including professional and scientific) for measuring, testing, analyzing, and controlling, and their associated sensors and accessories; optical instruments and lenses; surveying and drafting instruments; surgical, medical, and dental instruments, equipment, and supplies; ophthalmic goods; photographic equipment and supplies; and watches and clocks.

**39 MISCELLANEOUS MANUFACTURING INDUSTRIES:** This major group includes establishments primarily engaged in manufacturing products not classified in any other manufacturing major group. Industries in this group fall into the following categories: jewelry, silverware and plated ware; musical instruments; toys, sporting and athletic goods; pens, pencils, and other office and artists' materials, buttons, costume novelties, miscellaneous notions; brooms and brushes; caskets; and other miscellaneous manufacturing industries.

**NOTE:** More detailed definitions may be obtained directly from the Standard Industrial Classification Manual, 1987 Revision.

## APPENDIX C

### Geographic Definitions of Economic Areas

This publication has contained a tabulation entitled "Economic Areas" since 1954. This series consists of thirty-one areas which were delineated on the basis of population and manufacturing employment cross-sectional evaluation. Only those towns with manufacturing businesses are listed below. A complete listing of the Maine Labor Market Areas can be found in the 1990 Maine Employment and Earnings Statistical Handbook. Care should be exercised in making comparison of these thirty-one areas with the earlier areas as there have been changes made in almost all of the regions.

The civil division with the largest population is in capital letters, and the civil division with the most workers employed in manufacturing is underlined. The minor civil division contained in the areas are as follows:

Area No.	1990 Population	Town
1	47,962	Berwick, Eliot, <b>Kittery</b> , <u>N. Berwick</u> , S. Berwick, Wells, York
2	36,115	Alfred, Lebanon, Limerick, Newfield, <b>Sanford</b> , Shapleigh, Waterboro
3	54,507	Arundel, <b>Biddeford</b> , Dayton, Kennebunk, Kennebunkport, Lyman, Saco
4	215,281	Buxton, Cape Elizabeth, Cumberland, Falmouth, Freeport, Gorham, Gray, Hollis, N. Yarmouth, Old Orchard Beach, <b>Portland</b> , Raymond, Scarborough, S. Portland, Standish, Westbrook, Windham, Yarmouth
5	24,268	Baldwin, <b>Bridgton</b> , Brownfield, Casco, Cornish, Denmark, Fryeburg, Hiram, Limington, Naples, Parsonfield, Porter
6	62,082	<u>Bath</u> , Bowdoin, Bowdoinham, <b>Brunswick</b> , Durham, Georgetown, Harpswell, New Gloucester, Pownal, Topsham, West Bath, Woolwich
7	88,141	Auburn, Greene, <u>Lewiston</u> , Lisbon, Mechanic Falls, Poland, Sabattus
8	17,648	<u>Boothbay</u> , Boothbay Harbor, Bremen, Bristol, Damariscotta, Edgecomb, Jefferson, Newcastle, Nobleboro, S. Bristol, Southport, Whitefield, <b>Wiscasset</b>
9	40,865	Appleton, Camden, Cushing, Friendship, Hope, Matinecus Isle Plt., North Haven, Owl's Head, <b>Rockland</b> , Rockport, St. George, S. Thomaston, Thomaston, Union, Vinal Haven, Warren, Washington, Waldoboro
10	25,040	Buckfield, Greenwood, Harrison, Hebron, Lovell, Minot, <u>Norway</u> , Oxford, Paris, Stoneham, Sweden, Waterford, West Paris, Woodstock
11	9,439	Leeds, <u>Livermore Falls</u> , <b>Turner</b>
12	58,003	<b>Augusta</b> , Farmingdale, Gardiner, Hallowell, Litchfield, Monmouth, Randolph, Readfield, Wayne, W. Gardiner, Windsor, Winthrop, Richmond
13	20,562	Andover, Bethel, Canton, Dixfield, Hanover, Hartford, Magalloway Plt., Mexico, Newry, Peru, Roxbury, <b>Rumford</b>
14	25,608	Avon, Chesterville, Coburn Gore, Eustis, <b>Farmington</b> , Industry, <u>Jay</u> , Kingfield, New Sharon, New Vineyard, Phillips, Rangely, Strong, Temple, Wilton
15	53,684	Albion, Belgrade, Benton, China, Clinton, Mount Vernon, Oakland, Sidney, Unity, Vassalboro, <u>Waterville</u> , Winslow
16	26,930	<b>Belfast</b> , Belmont, Brooks, Burnham, Frankfort, Freedom, Isleboro, Liberty, Lincolnville, Monroe, Montville, Morrill, Northport, Palermo, Prospect, Searsmont, Searsport, Stockton Springs, Swanville, Thorndike, Troy, Waldo

# **APPENDIX C (Continued)**

Area No.	1990 Population	Town
17	43,623	Bar Harbor, Blue Hill, Brooklin, Brooksville, <u>Bucksport</u> , Castine, Cranberry Isles, Deer Isle, <b>Ellsworth</b> , Franklin, Gouldsboro, Hancock, Lamoine, Mariaville, Mount Desert, Orland, Penobscot, Sedgwick, Sorrento, Southwest Harbor, Stonington, Sullivan, Surry, Swans Island, Tremont, Trenton, Winter Harbor
18	46,758	Anson, Athens, Bingham, Cambridge, Canaan, Caratunk Plt., Detroit, Embden, Fairfield, Harmony, Hartland, Highland Plt., Jackman, Madison, Mercer, Moose River, New Portland, Norridgewock, Palmyra, Pittsfield, Rockwood Strip, St. Albans, <u>Skowhegan</u> , Smithfield, Solon, Starks, The Forks Plt., West Forks Plt.
19	20,243	Bradford, Carmel, Charleston, Corinna, Corinth, <b>Dexter</b> , Dixmont, Hudson, Newburg, Newport, Stetson
20	85,071	Alton, <b>Bangor</b> , Brewer, Eddington, Hampden, Hermon, Holden, Kenduskeag, Old Town, Orono, Orrington, Veazie, Winterport
21	7,031	Bradley, Greenbush, Greenfield, Lagrange, <u>Milford</u>
22	26,513	<u>Baileyville</u> , Baring Plt., Beals, <b>Calais</b> , Cherryfield, Columbia Falls, Cutler, Danforth, E. Machias, Eastport, Jonesboro, Jonesport, Lubec, Machias, Machiasport, Millbridge, Pembroke, Perry, Princeton, Steuben, T36 MD, Topsfield, Waite, Wesley
23	2,259	Beaver Cove Plt., <u>Greenville</u> , Shirley
24	14,906	Abbot, Brownville, <u>Dover-Foxcroft</u> , <b>Guilford</b> , Milo, Monson, Parkman, Sangerville, Sebec, Wellington
25	12,766	Burlington, Chester, Enfield, Howland, Kingman Twp., Lee <b>Lincoln</b> , Mattawamkeag, Passadumkeag, Prentiss Plt., Springfield, Winn, T32 MD
26	11,044	East Millinocket, Medway, <u>Millinocket</u>
27	5,726	Crystal, Dyer Brook, <u>Island Falls</u> , Merrill, Oakfield, <b>Patten</b> , Sherman, Smyrna, Stacyville
28	10,159	Haynesville, <b>Houlton</b> , Linneus, Monticello, Orient, Reed Plt., Weston
29	8,027	Allagash Plt., Eagle Lake, <b>Fort Kent</b> , St. Agatha, St. Francis, St. Johns Plt., Wallagrass Plt., T11 R14, T14 R15
30	45,781	Ashland, Blaine, Bridgewater, Caribou, <u>Easton</u> , Ft. Fairfield, Limestone, Mapleton, Masardis, Nashville Plt., Oxbow Plt., Perham, Portage Lake, <b>Presque Isle</b> , Wade, Washburn, Westfield, Woodland
31	7,848	<u>Madawaska</u> , Van Buren

**NOTE:** Since the 1990 population data is unavailable for some unorganized townships, the area population in some instances may be slightly understated. Population data is from Census '90, Data for Governmental Units (an extract from the PL94-171 redistricting file for Maine) provided by the Maine Department of Labor, Bureau of Employment Security, Division of Economic Analysis and Research.

## APPENDIX D

### Census of Maine Manufactures by Major Industry Group, 1985-1989

<u>Industry</u>	<u>Year</u>	<u>Number Reporting</u>	<u>Value of Product (Thousands)</u>	<u>Gross Wages (Thousands)</u>	<u>Average Wages</u>	<u>Total Employment</u>
<b>TOTAL</b>	1985	2,495	\$ 8,957,798	\$ 2,021,738	\$ 19,105	105,819
	1986	2,555	9,482,388	2,111,383	20,384	103,579
	1987	2,604	10,074,473	2,214,240	21,234	104,277
	1988	2,705	11,262,652	2,336,879	21,857	106,916
	1989	2,672	11,305,870	2,476,563	23,461	105,516
<b>DURABLE GOODS - TOTAL</b>	1985	1,605	3,136,489	835,852	19,538	42,780
	1986	1,655	3,466,441	900,083	20,486	43,936
	1987	1,668	3,811,905	979,926	21,222	46,175
	1988	1,753	4,189,834	1,090,591	22,221	49,079
	1989	1,749	4,028,842	1,142,272	23,336	48,947
Lumber & Wood Products	1985	1,002	880,031	216,383	16,006	13,518
	1986	1,043	955,725	219,403	16,273	13,482
	1987	1,025	1,013,373	238,551	17,455	13,666
	1988	1,028	1,120,032	233,578	17,753	13,157
	1989	1,024	973,694	222,877	18,454	12,077
Furniture & Fixtures	1985	46	55,209	17,067	16,085	1,061
	1986	49	53,892	19,115	17,113	1,117
	1987	48	72,423	22,537	18,145	1,242
	1988	50	78,940	24,565	18,954	1,296
	1989	48	98,862	24,747	20,267	1,221
Stone, Clay, & Glass	1985	86	111,951	24,889	19,278	1,291
	1986	91	143,652	31,414	20,266	1,550
	1987	89	158,865	38,763	22,936	1,690
	1988	102	162,761	41,796	23,414	1,785
	1989	96	140,659	41,094	23,322	1,762
Primary Metals	1985	12	38,681	14,533	19,351	751
	1986	11	40,431	15,044	21,645	695
	1987	11	36,321	13,514	21,656	624
	1988	11	38,421	14,387	23,780	605
	1989	11	37,047	14,399	23,337	617
Fabricated Metals	1985	118	192,811	63,438	19,974	3,176
	1986	112	188,889	60,209	20,402	2,951
	1987	114	215,269	64,056	21,589	2,967
	1988	121	230,608	69,653	22,483	3,098
	1989	122	236,165	76,364	24,204	3,155
Ind. & Comm. Machinery	1985	155	324,151	93,018	21,044	4,420
	1986	159	366,506	92,149	22,928	4,019
	1987	175	393,434	95,914	23,078	4,156
	1988	191	461,037	113,056	25,179	4,490
	1989	194	426,548	116,670	26,437	4,413
Electronic Eqpt., Inc. Comps.	1985	54	755,599	180,281	19,008	9,484
	1986	55	768,903	193,133	20,084	9,616
	1987	61	878,449	213,141	20,920	10,188
	1988	61	957,982	230,400	21,899	10,521
	1989	64	728,955	223,056	23,454	9,510
Transportation Equipment	1985	112	748,612	218,480	25,586	8,539
	1986	113	914,881	261,265	26,297	9,935
	1987	122	1,004,459	283,180	25,792	10,979
	1988	166	1,083,984	348,473	26,159	13,321
	1989	163	1,327,733	406,517	26,429	15,381
Precision Instruments & Related Products	1985	20	29,444	7,764	14,377	540
	1986	22	33,561	8,351	14,624	571
	1987	23	39,312	10,264	15,504	662
	1988	23	56,071	14,682	18,215	806
	1989	27	59,179	16,547	20,403	811

**APPENDIX D (Continued)**

<u>Industry</u>	<u>Year</u>	<u>Number Reporting</u>	<u>Value of Product (Thousands)</u>	<u>Gross Wages (Thousands)</u>	<u>Average Wages</u>	<u>Total Employment</u>
<b>NONDURABLE GOODS - TOTAL</b>	1985	890	\$ 5,821,309	\$ 1,185,887	\$ 18,811	63,039
	1986	900	6,015,948	1,211,300	20,309	59,643
	1987	936	6,262,568	1,234,314	21,243	58,102
	1988	952	7,072,817	1,246,288	21,548	57,837
	1989	923	7,277,028	1,334,291	23,586	56,569
Food & Kindred Products	1985	200	749,004	117,633	14,401	8,168
	1986	195	761,596	121,121	15,055	8,045
	1987	200	881,544	125,990	16,010	7,869
	1988	202	869,689	128,679	17,265	7,453
	1989	173	852,361	127,909	18,702	6,839
Textile Mill Products	1985	70	378,024	106,126	15,766	6,731
	1986	67	439,772	111,313	16,786	6,631
	1987	71	424,250	114,806	17,171	6,686
	1988	71	434,290	109,341	17,539	6,234
	1989	71	423,756	110,370	18,675	5,910
Apparel	1985	57	192,085	50,894	11,849	4,295
	1986	62	177,617	51,953	12,034	4,317
	1987	65	129,072	42,621	12,745	3,344
	1988	72	159,741	48,696	13,016	3,741
	1989	68	143,898	43,519	14,603	2,680
Paper & Allied Products	1985	42	2,982,634	538,289	29,680	18,136
	1986	45	3,090,401	571,628	32,679	17,492
	1987	45	3,254,953	576,847	33,753	17,090
	1988	44	3,841,156	554,476	33,780	16,414
	1989	49	4,024,813	630,518	35,697	17,663
Printing & Publishing	1985	274	230,587	80,039	16,198	4,941
	1986	289	265,616	88,930	17,732	5,015
	1987	313	286,572	100,349	18,866	5,319
	1988	329	354,032	110,526	19,617	5,634
	1989	327	363,597	117,137	20,248	5,785
Chemicals & Allied Products	1985	35	112,575	19,659	21,579	911
	1986	34	118,166	19,914	22,450	887
	1987	36	140,141	21,228	22,582	940
	1988	34	145,528	23,010	25,038	919
	1989	36	168,202	25,486	26,059	978
Petroleum & Coal Products	1985	10	36,064	4,995	21,909	228
	1986	10	34,885	5,069	23,357	217
	1987	8	35,866	4,489	23,624	190
	1988	7	33,338	4,939	25,198	196
	1989	8	32,320	7,139	27,562	259
Rubber & Plastics	1985	51	328,589	66,591	16,811	3,961
	1986	44	317,174	64,215	17,907	3,586
	1987	43	312,216	66,159	18,678	3,542
	1988	44	352,158	71,446	18,390	3,885
	1989	44	350,762	77,290	20,366	3,795
Leather & Leather Products	1985	88	775,402	190,058	12,961	14,663
	1986	83	771,487	165,455	13,228	12,507
	1987	77	754,756	170,140	13,876	12,261
	1988	71	830,084	180,521	14,609	12,356
	1989	70	871,131	182,786	15,790	11,576
Miscellaneous	1985	63	36,345	11,604	11,546	1,005
	1986	71	39,233	11,702	12,369	946
	1987	78	43,200	11,686	13,572	861
	1988	78	52,800	14,654	14,580	1,005
	1989	77	46,187	12,137	15,480	784



## APPENDIX E

### Census of Maine Manufactures by County, 1985-1989

<u>Industry</u>	<u>Year</u>	<u>Number Reporting</u>	<u>Value of Product (Thousands)</u>	<u>Gross Wages (Thousands)</u>	<u>Average Wages</u>	<u>Total Employment</u>
<b><u>I-95 CORRIDOR</u></b>	1985	1,232	\$ 5,502,791	\$ 1,372,613	\$ 19,461	70,528
	1986	1,242	5,822,330	1,448,103	20,959	69,092
	1987	1,295	6,209,061	1,514,899	21,863	69,289
	1988	1,356	6,831,883	1,606,087	22,311	71,985
	1989	1,346	7,017,777	1,729,238	24,138	71,639
Androscoggin	1985	207	702,892	175,771	15,758	11,154
	1986	205	710,914	175,297	16,618	10,548
	1987	208	744,084	183,187	17,228	10,633
	1988	213	786,435	194,553	18,035	10,787
	1989	196	801,778	197,214	19,595	10,064
Cumberland	1985	390	1,445,035	358,035	20,047	17,859
	1986	399	1,514,850	384,727	21,753	17,686
	1987	420	1,624,188	394,245	22,583	17,457
	1988	437	1,793,046	399,903	23,362	17,117
	1989	438	1,657,107	440,969	25,392	17,366
Kennebec	1985	132	582,829	153,989	19,318	7,971
	1986	136	620,873	159,194	20,488	7,770
	1987	144	635,456	167,048	21,717	7,692
	1988	151	691,627	178,646	20,911	8,543
	1989	148	709,871	177,666	23,559	7,541
Penobscot	1985	239	1,239,622	278,649	20,491	13,598
	1986	236	1,226,811	281,979	22,112	12,752
	1987	248	1,345,859	290,654	23,420	12,410
	1988	255	1,571,607	280,031	22,955	12,199
	1989	259	1,589,438	304,194	22,761	12,108
Sagadahoc	1985	43	436,458	161,829	25,719	6,292
	1986	42	584,708	197,880	26,244	7,540
	1987	39	623,191	209,649	25,962	8,075
	1988	43	677,820	263,483	26,435	9,967
	1989	42	827,965	309,853	26,665	11,620
York	1985	221	1,095,955	244,339	17,895	13,654
	1986	224	1,164,174	249,025	19,461	12,796
	1987	236	1,236,284	270,116	20,743	13,022
	1988	257	1,310,842	289,471	21,647	13,372
<b><u>EASTERN</u></b>	1985	227	611,564	104,115	20,299	5,129
	1986	232	648,017	106,454	21,863	4,869
	1987	237	691,887	117,840	23,260	5,066
	1988	249	776,373	123,485	23,489	5,257
	1989	241	751,509	126,707	24,752	5,119
Hancock	1985	131	360,302	61,613	21,778	2,829
	1986	139	390,316	63,568	23,605	2,693
	1987	146	399,805	72,480	25,629	2,828
	1988	153	434,661	75,690	25,096	3,016
	1989	147	390,390	77,574	26,198	2,961
Washington	1985	96	251,262	42,503	18,479	2,300
	1986	93	257,700	42,885	19,708	2,176
	1987	91	292,082	45,360	20,267	2,238
	1988	96	341,712	47,795	21,327	2,241
	1989	94	361,119	49,133	22,767	2,158
	1989	263	1,431,617	299,342	23,133	12,940

**APPENDIX E (Continued)**

<u>Industry</u>	<u>Year</u>	<u>Number Reporting</u>	<u>Value of Product (Thousands)</u>	<u>Gross Wages (Thousands)</u>	<u>Average Wages</u>	<u>Total Employment</u>
<b><u>MIDCOAST</u></b>	1985	279	\$ 386,465	\$ 78,792	\$ 14,642	5,381
	1986	296	417,570	81,182	15,205	5,339
	1987	308	454,414	92,318	16,508	5,592
	1988	316	419,798	96,508	18,253	5,287
	1989	314	399,074	98,251	19,302	5,090
Knox	1985	125	212,712	40,912	15,225	2,687
	1986	124	236,267	43,473	15,774	2,756
	1987	124	266,117	49,143	17,402	2,824
	1988	124	256,305	53,694	18,932	2,836
	1989	128	243,655	54,442	20,148	2,702
Lincoln	1985	85	54,359	15,789	16,327	967
	1986	95	49,545	14,437	17,911	806
	1987	97	57,708	17,498	18,189	962
	1988	98	62,767	18,272	18,934	965
	1989	95	60,918	20,148	20,496	983
Waldo	1985	69	119,395	22,091	12,791	1,727
	1986	77	131,758	23,272	13,096	1,777
	1987	87	130,589	25,677	14,217	1,806
	1988	94	100,726	24,542	16,515	1,486
	1989	91	94,501	23,660	16,840	1,405
<b><u>NORTHERN</u></b>	1985	223	708,419	118,569	17,973	6,597
	1986	231	726,618	123,956	18,393	6,739
	1987	227	756,787	128,252	19,503	6,576
	1988	234	890,181	127,220	19,745	6,443
	1989	232	767,935	129,201	21,087	6,127
Aroostook	1985	223	708,419	118,569	17,973	6,597
	1986	231	726,618	123,956	18,393	6,739
	1987	227	756,689	128,252	19,503	6,576
	1988	234	890,181	127,220	19,745	6,443
<b><u>WESTERN</u></b>	1985	532	1,746,565	347,032	19,111	18,158
	1986	552	1,865,493	350,985	20,060	17,496
	1987	535	1,959,884	360,488	20,030	17,731
	1988	548	2,342,109	383,144	21,376	17,924
	1989	536	2,362,947	392,313	22,420	17,498
Franklin	1985	100	483,174	94,991	21,877	4,342
	1986	108	533,863	92,113	21,963	4,194
	1987	111	506,324	95,813	23,431	4,089
	1988	115	626,608	111,297	24,247	4,590
	1989	109	611,354	108,424	23,839	4,548
Oxford	1985	193	491,419	110,298	20,025	5,508
	1986	197	490,180	106,990	21,161	5,056
	1987	186	545,574	112,028	20,924	5,354
	1988	193	598,399	122,349	22,338	5,477
	1989	193	607,670	120,877	23,453	5,154
Piscataquis	1985	89	132,252	38,021	14,657	2,594
	1986	89	159,515	39,714	15,968	2,487
	1987	81	153,566	42,100	16,445	2,560
	1988	85	182,762	46,779	17,493	2,674
	1989	83	168,597	43,442	17,936	2,422
Somerset	1985	150	639,720	103,721	18,152	5,714
	1986	158	681,935	112,168	19,476	5,759
	1987	157	754,419	110,548	19,299	5,728
	1988	155	934,339	102,719	19,818	5,183
	1989	151	975,326	119,570	22,249	5,374
	1989	232	767,935	129,201	21,087	6,127

## APPENDIX F

### Raw and Adjusted Data Comparisons, 1989-1990

The data on the following table has been adjusted using two major price indexes published by the U.S. Department of Labor, Bureau of Labor Statistics. The Value of Product data is adjusted by the Producer Price Index, (formerly the Wholesale Price Index) using a base year of 1982 = 100 unless noted. Wage data is adjusted by the Consumer Price Index for Urban Wage Earners and Clerical Workers and the base year is 1982-84 = 100. The adjustments made are based on the annual average for the respective index.

The Consumer Price Index is a monthly statistical measure of the average change in prices in a fixed market basket of goods and services.

The CPI is based on prices of food, clothing, shelter, fuel, drugs, transportation fares, doctors' and dentists' fees, and other goods and services that people buy for day-to-day living. The quantity and quality of these items is kept essentially unchanged between major revisions so that only price changes will be measured. Prices are collected from over 18,000 tenants, 24,000 retail establishments, and 18,000 housing units for property taxes in 85 urban areas across the country. All taxes directly associated with the purchase and use of items are included in the index.

Though the CPI is often called the "Cost-of-Living Index", it measures only price change, which is just one of several important factors affecting living costs.

#### CPI-W

1989 Annual Average = 122.6

1990 Annual Average = 129.0

Producer Price Indexes measure average changes in prices received in primary markets of the United States by producers of commodities in all stages of processing. The sample used for calculating these indexes contains about 2,800 commodities produced in the manufacturing, agriculture, forestry, fishing, mining, gas and electricity, and public utilities sectors. The universe includes all commodities produced or imported for sale in commercial transactions in primary markets in the United States.

To the extent possible, prices used in calculating Producer Price Indexes apply to the first significant commercial transaction in the United States, from the production or central marketing point. Price data are generally collected monthly, primarily by mail questionnaire. Most prices are obtained directly from producing companies on a voluntary and confidential basis. Prices generally are reported for the Tuesday of the week containing the 13th day of the month.

#### PPI

	<u>Annual Average</u>			<u>Annual Average</u>	
	<u>1989</u>	<u>1990</u>		<u>1989</u>	<u>1990</u>
<b>Total Manufactures</b>	114.3	118.1			
<b>Durable Goods</b>	118.3	120.7	<b>Nondurable Goods</b>	110.2	115.2
* Transportation Equipment	112.1	115.6	*Pulp, Paper, & Allied Products	120.8	121.9
* Lumber & Wood Products	115.3	117.0	*Leather	118.0	122.6
* Electric & Electronic Equipment	107.1	108.9	*Food & Kindred Products	112.2	116.2

\* Adjusted by Producer Price Index based on December, 1984 = 100.

MAINE MANUFACTURING WITH SELECTED MAJOR INDUSTRIES, RAW & ADJUSTED (1982=100) DATA, 1989-1990

	YEAR	VALUE OF PRODUCT		GROSS WAGES		AVERAGE GROSS WAGES	
		RAW (Millions)	PPI ADJUSTED (Millions)	RAW (Millions)	CPI ADJUSTED (Millions)	RAW	CPI ADJUSTED
<b>TOTAL MANUFACTURING</b>	1990	\$11,406.1	\$9,658.0	\$2,483.2	\$1,925.0	\$24,911	\$19,311
	1989	\$11,305.9	\$9,891.4	\$2,476.6	\$2,020.1	\$23,470	\$19,144
	Percent Change	0.9 %	-2.4 %	0.3 %	-4.7%	6.1 %	0.9 %
<u>Durable Goods</u>	1990	\$4,113.4	\$3,408.0	\$1,147.8	\$889.8	\$25,016	\$19,392
	1989	\$4,028.8	\$3,405.6	\$1,142.3	\$931.7	\$23,336	\$19,034
	Percent Change	2.1 %	0.1%	0.5 %	-4.5%	7.2 %	1.9 %
Transportation Equipment	1990	\$1,429.2	\$1,236.3	\$442.7	\$343.2	\$28,941	\$22,435
	1989	\$1,327.7	\$1,184.4	\$406.5	\$331.6	\$26,429	\$21,557
	Percent Change	7.6 %	4.4 %	8.9 %	3.5 %	9.5 %	4.1 %
Lumber & Wood Products	1990	\$947.5	\$809.8	\$200.8	\$155.7	\$18,989	\$14,720
	1989	\$973.7	\$844.5	\$222.9	\$181.8	\$18,454	\$15,052
	Percent Change	-2.7 %	-4.1 %	-9.9 %	-14.4%	2.9 %	-2.2 %
Electric & Electronic Equipment	1990	\$760.9	\$698.7	\$213.7	\$165.7	\$25,038	\$19,409
	1989	\$729.0	\$680.7	\$223.1	\$182.0	\$23,454	\$19,131
	Percent Change	4.4 %	2.6 %	-4.2 %	-9.0 %	6.8 %	1.5 %
<u>Nondurable Goods</u>	1990	\$7,292.7	\$6,330.5	\$1,335.4	\$1,035.2	\$24,821	\$19,241
	1989	\$7,277.0	\$6,603.4	\$1,334.3	\$1,088.3	\$23,586	\$19,238
	Percent Change	0.2 %	-4.1 %	0.1%	-4.9%	5.2 %	0.0%
Paper	1990	\$3,971.6	\$3,258.1	\$646.3	\$501.0	\$37,031	\$28,706
	1989	\$4,024.8	\$3,331.8	\$630.5	\$514.3	\$35,697	\$29,117
	Percent Change	-1.3%	-2.2 %	2.5 %	-2.6%	3.7 %	-1.4%
Leather	1990	\$873.7	\$712.6	\$166.7	\$129.2	\$16,685	\$12,934
	1989	\$871.1	\$738.2	\$182.8	\$149.1	\$15,790	\$12,879
	Percent Change	0.3%	-3.5%	-8.8%	-13.3%	5.7 %	0.4 %
Food	1990	\$930.3	\$800.6	\$136.5	\$105.8	\$19,672	\$15,250
	1989	\$852.4	\$759.7	\$127.9	\$104.3	\$18,702	\$15,254
	Percent Change	9.1 %	5.4 %	6.7 %	1.4 %	5.2 %	0.0 %

APPENDIX F (Continued)

**APPENDIX G**

Comments Form

Your comments about this material will help us to improve our publications. We are interested in any feedback concerning its usefulness. Requests for additional copies will be filled subject to availability. (See Appendix H.) Requests for further details on this subject should be sent to the Bureau Director at the address below. These requests are subject to confidentiality restrictions.

Please indicate your position or title: \_\_\_\_\_

How suitable is this material for your own requirements?

\_\_\_\_ Very Suitable      \_\_\_\_ Suitable      \_\_\_\_ Not Suitable

What information not presently covered should be included? \_\_\_\_\_

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Please return this page to:

Maine Department of Labor  
Bureau of Labor Standards  
Research & Statistics Division  
State House Station #45  
Augusta, ME 04333

If you wish to receive a reply, please include your name and mailing address

## APPENDIX H

### Order Form

The following items are available without charge from:

Maine Department of Labor  
Bureau of Labor Standards  
Research & Statistics Division  
State House Station #45  
Augusta, ME 04333

PUBLICATIONS (some years may be out of print)

- ☐ Occupational Injuries and Illnesses in Maine (publication began with 1975)
- ☐ Characteristics of Work-Related Injuries and Illnesses in Maine (began 1977)
- ☐ Census of Maine Manufactures (began 1945)
- ☐ Directory of Maine Labor Organizations (available for current year only)
- ☐ Maine Construction Wage Rates (began 1983)
- ☐ Labor Relations in Maine (began 1983)

#### OSHA RECORD-KEEPING MATERIALS

- ☐ Log & Summary of Occupational Injuries & Illnesses, OSHA No. 200
- ☐ Poster: Safety and Health Protection on the Job
- ☐ Record-keeping Requirements Guidelines

#### CONSULTATION PROGRAM

- ☐ Pamphlet: Maine's On-Site Safety & Health Consultation Program
- ☐ Please contact me concerning an on-site safety & health consultation
- ☐ My phone number is \_\_\_\_\_
- ☐ Pamphlet: Occupational Safety and Training Program

MAILING LABEL: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_