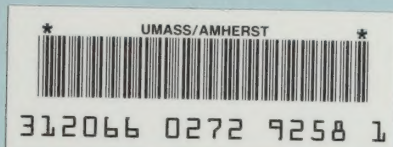


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THE COMMONWEALTH OF MASSACHUSETTS  
DEPARTMENT OF EMPLOYMENT AND TRAINING  
Charles F. Hurley Building  
Government Center  
Boston, Massachusetts 02114

LABOR MARKET INFORMATION FOR AFFIRMATIVE ACTION PROGRAMS

LAWRENCE-HAVERHILL MA-NH SMSA

GOVERNMENT DOCUMENTS  
COLLECTION

DEC 3 1991

University of Massachusetts  
Depository Copy

The data in this report meet the minimum requirements of  
OFCC Revised Order Number 4, Subpart B, paragraph 60-2.11  
Section (a), (1), (i)-(v) and (2), (i)-(v).

Field Research Department  
Labor Area Research  
(617) 727-6530

William F. Weld  
Governor



INTRODUCTION

THE COMMONWEALTH OF MASSACHUSETTS  
DEPARTMENT OF EMPLOYMENT AND TRAINING  
Charles F. Hurley Building  
Government Center  
Boston, Massachusetts 02114

LABOR MARKET INFORMATION FOR AFFIRMATIVE ACTION PROGRAMS

LAWRENCE-HAVERHILL MA-NH SMSA

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## INTRODUCTION

The Massachusetts Division of Employment Security has prepared a set of publications presenting labor market information for affirmative action programs in order to assist employers who are attempting to meet affirmative action obligations. A separate informational packet is available for Massachusetts and each of the Standard Metropolitan Statistical Areas as they existed at the time of the 1980 Census.

Users should note that these publications do not contain the specific requirements to which federal contractors must conform in making a utilization analysis. Reference should be made to the Code of Federal Regulations, Title 41, Subtitle B, Chapter 60, Section 60-2.11, and Office of Federal Contract Compliance Programs Order Number 660b15. **For technical assistance regarding Affirmative Action requirements not contained in this packet, please contact the Office of Federal Contract Compliance, Boston Area office. They may be called at 617/565-2055.**

The labor market information contained in these publications is based on the 1980 Census. The Massachusetts Division of Employment Security has no current plan to revise these 1984 editions unless updated information is received from the federal government. Questions concerning these data packets should be directed to the Field Research Department at 617/727-6530.

The Massachusetts Division of Employment Security is prepared to assist employers in affirmative action recruitment. The Job Matching Center in your area uses computer assisted job matching to bring together qualified job applicants and available job openings. In addition, the local job center can provide information on government funded programs designed to assist employers in job training and placement. Division of Employment Security Job Matching Centers are listed in your local telephone directory.

Additional population information may be available from the following organizations:

1. U.S. Bureau of the Census  
Boston Federal Office Building - Room 553  
Boston, MA 02222-1084  
617/565-7078
2. State Data Center  
117 Draper Hall  
University of Massachusetts  
Amherst, MA 01003  
413/545-0176
3. National Technical Information Service  
U.S. Department of Commerce  
5285 Port Royal Road  
Springfield, Virginia 22161  
703/487-4650



# LAWRENCE-HAVERHILL

## DEFINITION OF AREA

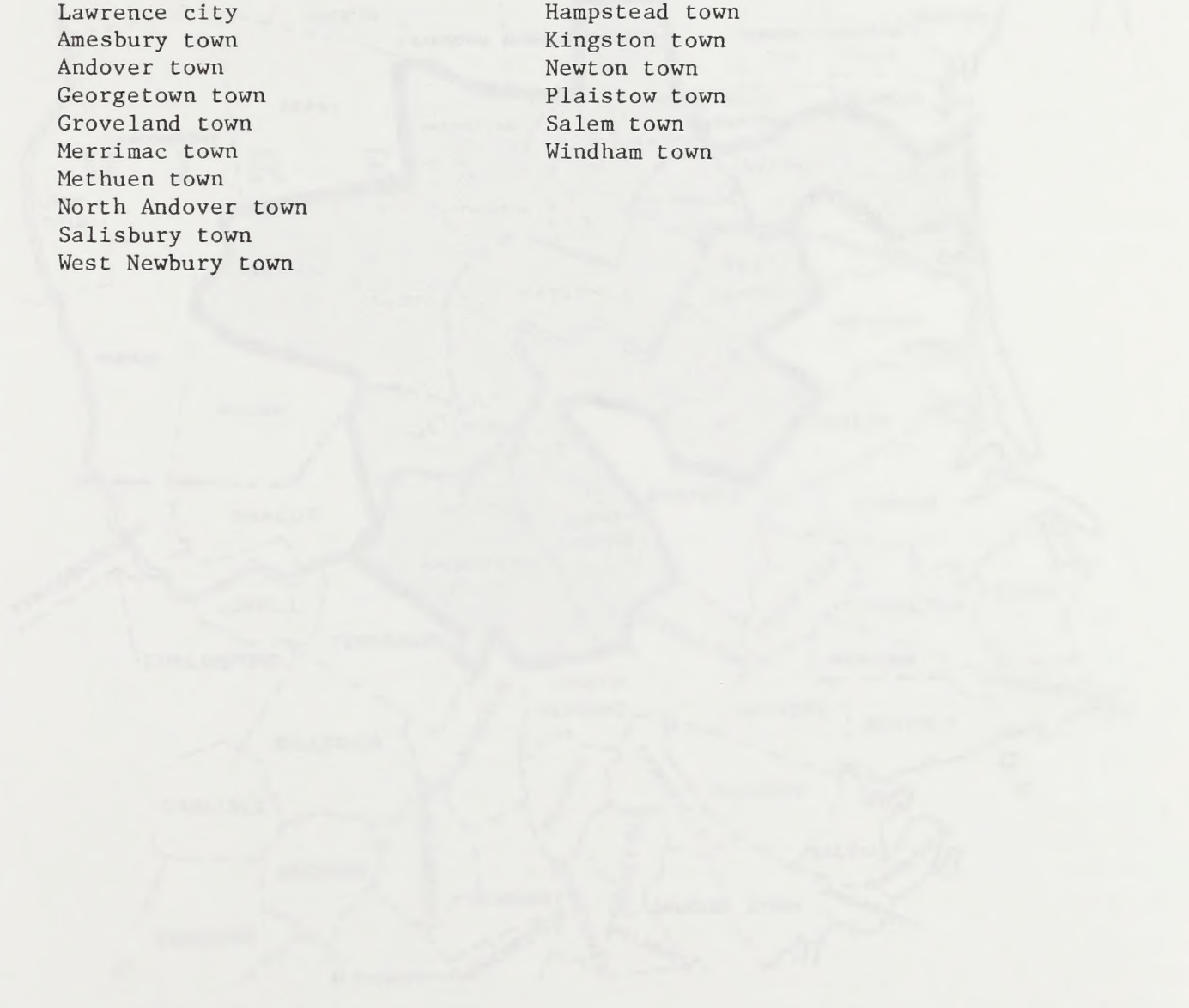
The Lawrence-Haverhill MA-NH SMSA is made up of the following areas:

Massachusetts portion  
Essex Co. (part)

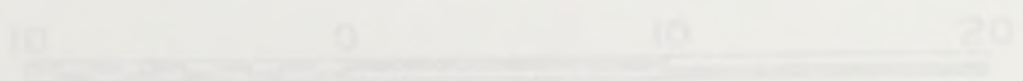
- Haverhill city
- Lawrence city
- Amesbury town
- Andover town
- Georgetown town
- Groveland town
- Merrimac town
- Methuen town
- North Andover town
- Salisbury town
- West Newbury town

New Hampshire portion  
Rockingham Co. (part)

- Atkinson town
- Hampstead town
- Kingston town
- Newton town
- Plaistow town
- Salem town
- Windham town



MASSACHUSETTS DEPARTMENT OF COMMUNITY AFFAIRS  
BUREAU OF REGIONAL PLANNING



SCALE IN MILES





# LAWRENCE-HAVERHILL SMSA



MASSACHUSETTS DEPARTMENT OF COMMUNITY AFFAIRS  
BUREAU OF REGIONAL PLANNING



SCALE IN MILES

as defined by  
U. S. Office of Mgmt & Budget  
27 April 1973



## DESCRIPTION OF TABLES

Table I Population by Race

This table contains population by race from the 1980 Census-Summary Tape File 1. This is an unduplicated count of individuals with minority status.

Table 1A This table contains population by sex and minority status from the 1980 Census-Summary Tape File 3.

Table 2 Labor Force Status, by Sex and Minority Status, Noninstitutional Population 16 Years or Older

This table contains labor force, employment, and unemployment data from the Census of Population and Housing, 1980 Summary Tape File 3-C. The labor force is the sum of employment and unemployment. The unemployment rate equals unemployment divided by the labor force. The labor force participation rate was obtained by dividing the number of people in the labor force by the civilian population 16 years of age and older.

Table 3 Summary Occupations by Sex and Race/Ethnicity

Table 3 lists Summary Occupations by Sex and Race/Ethnicity. The report is based on the Census Bureau's EEO Special File.

Table 3A Detailed Occupations by Sex and Race/Ethnicity

Table 3A is based on the 1980 Census Equal Opportunity (EEO) Special File, providing information on the civilian labor force by sex and seven racial/ethnic categories for 514 detailed occupational categories. Census data on race and Hispanic origin were obtained through self-identification. The seven major racial/ethnic categories shown are White not Hispanic, Total Minority, Black not Hispanic, Asian and Pacific Islander not Hispanic, Native American not Hispanic, Remaining Races not Hispanic, and Hispanic all races. The category, "Asian and Pacific Islander" includes Japanese, Chinese, Filipino, Korean, Asian Indian, Vietnamese, Hawaiian, Guamanian and those persons who had a write-in entry of an Asian or Pacific Islander group in the "Other" category of the census questionnaire. "Total Minority" is defined as Total minus White not Hispanic. "Remaining Races" is defined as Total less White, Black, Native American, and Asian and Pacific Islander. Persons of Hispanic origin may be of any race. A dash (-) represents zero or a percent which rounds to less than 0.1. The three dot symbol (...) indicates data suppressed by the Census Bureau or a composite item one or more of whose components contained such suppressions.



Table 1  
Population by Race

Area: Lawrence-Haverhill SMSA  
Year: 1980 (Census-Summary of File Tape 1)

Race/Ethnic Group <sup>1/</sup>	Number	Percent of Total
Population by Race, including Spanish Origin	281,981	100.0
White	270,337	95.87
Black	2,440	0.87
Native Americans	351	0.12
Asian and Pacific Islanders	1,198	0.43
Remaining Races	7,655	2.71
Population by Race, excluding Spanish Origin	269,445	95.55
White, not of Spanish Origin	265,500	94.15
Black, not of Spanish Origin	1,871	0.66
Native American and Asian and Pacific Islanders not of Spanish Origin	1,453	0.52
Remaining Races, not of Spanish Origin	621	0.22
Spanish Origin, by Race	12,536	4.45
White	4,837	1.72
Black	569	0.20
Native Americans and Asians and Pacific Islanders	96	0.03
Remaining Races	7,034	2.50
Total Minority Individuals <sup>2/</sup>	16,481	5.84
Female	147,356	52.26

Source: Census of Population and Housing, 1980  
Summary Tape File 1 - Complete count  
Lawrence Berkeley Laboratory, University of California at  
Berkeley, Report 1A

- <sup>1/</sup> Racial Groups as defined in the 1980 Census - the concept of race as used by the Census Bureau reflects self-identification by respondents.
- <sup>2/</sup> The sum of Blacks not of Spanish Origin, Native Americans and Asians and Pacific Islanders not of Spanish Origin, Remaining Races not of Spanish Origin, and Spanish Origin.



Table 1A  
 Population and Labor Force Participation, by Sex and Minority Status  
 Area: Lawrence-Haverhill SMSA  
 Year: 1980 (Census-Summary File Tape 3)

Race/Ethnic Group <sup>1/</sup>	Both Sexes		Population		Female	
	Number	Percent	Number	Percent	Number	Percent
			Male			
Population by Race, including						
Spanish Origin	281981	100.0	134678	100.0	147303	100.0
White	271231	96.19	129609	96.23	141622	96.14
Black	2528	0.90	1239	0.92	1289	0.88
Native Americans	508	0.18	268	0.20	240	0.16
Asian and Pacific Islanders	1099	0.39	494	0.37	605	0.41
Remaining Races *	6615	2.34	3068	2.28	3547	2.41
Population by Race, excluding						
Spanish Origin	269296	95.50	128592	95.48	140704	95.52
White, not of Spanish Origin	265897	94.30	126932	94.25	138965	94.34
Black, not of Spanish Origin	1709	0.61	894	0.66	815	0.55
Native American, not of Spanish Origin	458	0.16	240	0.18	218	0.15
Asian and Pacific Islanders, not of Spanish Origin	1086	0.38	481	0.36	605	0.41
Remaining Races, not of Spanish Origin	146	0.05	45	0.03	101	0.07
Spanish Origin, by Race						
White	12685	4.50	6086	4.52	6599	4.48
Black	5334	1.89	2677	1.99	2657	1.80
Native Americans	819	0.29	345	0.26	474	0.32
Asians and Pacific Islanders	50	0.02	28	0.02	22	0.02
Remaining Races	13	0.01	13	0.01	--	--
Total Minority Individuals <sup>2/</sup>	6469	2.29	3023	2.24	3446	2.34
Total Minority Individuals <sup>2/</sup>	16084	5.7	7746	5.8	8338	5.7

Source: Summary File Tape 3 - 1980 Census-Sample Tabulation

Lawrence Berkeley Laboratory, University of California at Berkeley, Report 2A

<sup>1/</sup> Racial Groups as defined in 1980 Census - Racial Group totals in this report based on sample tabulations from STF 3 may differ from other reports which are based on complete-count tabulations from STF 1 or STF 2. Such differences are the result of sample variability, nonsampling variability, nonsampling error, and additional editing based on review of the sample questionnaires.

<sup>2/</sup> The sum of Blacks not of Spanish Origin, Native Americans not of Spanish Origin, Asians and Pacific Islanders not of Spanish Origin, Remaining Races not of Spanish Origin, and Spanish Origin.

Table 2

Labor Force Status, by Sex and Minority Status  
of Noninstitutional Population 16 Years and Over  
Area: Lawrence-Haverhill SMSA  
Year: 1980

Race/Ethnic Group <sup>1/</sup>	Labor Force		Employment		Unemployment		Unemployment Rate <sup>2/</sup>	Labor Force Participation Rate <sup>3/</sup>
	Number	Percent	Number	Percent	Number	Percent		
<b>Both Sexes</b>								
Total	136597	100.0	129788	100.0	6809	100.0	5.0	64.7
White	132527	97.02	126050	97.12	6477	95.12	4.9	64.8
Minority <sup>4/</sup>	8328	6.10	7522	5.80	806	11.84	9.7	63.0
Black	1273	0.93	1153	0.89	120	1.76	9.4	77.2
American Indian, Eskimo, Aleut	220	0.16	209	0.16	11	0.16	5.0	68.5
Asian and Pacific Islander	521	0.38	505	0.39	16	0.24	3.1	67.1
Other Races	2056	1.51	1871	1.44	185	2.72	9.0	64.5
Spanish Origin (of any race)	4258	3.12	3784	2.92	474	6.96	11.1	59.0
<b>Male</b>								
Percent of Both Sexes	76974	100.0	72910	100.0	4064	100.0	5.3	78.2
White	--	56.35	--	56.18	--	59,69	--	--
Minority <sup>4/</sup>	74625	96.95	70733	97.01	3892	95.77	5.2	78.1
Black	4837	6.28	4374	6.00	463	11.39	9.6	79.1
American Indian, Eskimo, Aleut	704	0.92	634	0.87	70	1.72	9.9	86.1
Asian and Pacific Islander	156	0.20	150	0.21	6	0.15	3.8	86.7
Other Races	273	0.35	265	0.36	8	0.20	2.9	82.0
Spanish Origin (of any race)	1216	1.58	1128	1.55	88	2.16	7.2	77.1
	2488	3.23	2197	3.01	291	7.16	11.7	76.7
<b>Female</b>								
Percent of Both Sexes	59623	100.0	56878	100.0	2745	100.0	4.6	53.0
White	--	43.65	--	43.82	--	40.31	--	--
Minority <sup>4/</sup>	57902	97.11	55317	97.26	2585	94.17	4.5	53.1
Black	3491	5.85	3148	5.53	343	12.50	9.8	49.2
American Indian, Eskimo, Aleut	569	0.95	519	0.91	50	1.82	8.8	68.5
Asian and Pacific Islander	64	0.11	59	0.10	5	0.18	7.8	45.4
Other Races	248	0.42	240	0.42	8	0.29	3.2	56.0
Spanish Origin (of any race)	840	1.41	743	1.31	97	3.54	11.5	52.7
	1770	2.97	1587	2.79	183	6.67	10.3	44.6

Sources: Summary Tape File 3-1980 Census Sample Tabulation  
Report 2A, Lawrence Berkeley Laboratory, University of California

- <sup>1/</sup> Racial Groups defined in the 1980 Census
- <sup>2/</sup> These unemployment rates are derived from the data presented in this table. They are unofficial because not all respondents were enumerated during the same week.
- <sup>3/</sup> The percent of the noninstitutionalized population 16 years and over who were in the labor force. The labor force includes those people who are employed, and those who are unemployed and actively seeking work.
- <sup>4/</sup> Some double counting exists in this data, because some individuals are listed both under one of the nonwhite racial groups and under Spanish Origin.



Table 3

U.S. Department of Labor  
Employment and Training Administration  
1980 Census, Run on 15 May 1983  
Lawrence Berkeley Laboratory

Equal Employment Indicators  
Summary Occupations by Sex and Race/Ethnicity (a)

Lawrence-Haverhill, MA-NH  
SMSA

Data from Census Bureau sample estimates (b)

Summary Occupations (c)	Total	White Not Hispanic	Total Minority (d)	Black Not Hispanic	Asian/PI Not Hispanic	Native American Not Hispanic	Remaining Races Not Hispanic	Hispanic All Races
<b>Universe: Total Civilian Labor Force (e)</b>								
<b>Total, All Occupations (f)</b>	<b>135,879</b>	<b>130,072</b>	<b>5,807</b>	<b>945</b>	<b>506</b>	<b>204</b>	<b>34</b>	<b>4,118</b>
Percent	100.0	95.7	4.3	0.7	0.4	0.2	-	3.0
Executive, Administrative, and Managerial	13,859	13,565	294	98	31	13	10	142
Professional Specialty	16,942	16,450	492	76	132	26	6	252
Technicians and Related Support	5,282	5,108	174	57	28	-	5	84
Sales Occupations	11,696	11,511	185	28	16	25	-	116
Administrative Support, including Clerical	22,494	21,841	653	169	42	12	-	430
Service Occupations	15,252	14,899	353	62	41	13	5	232
Farming, Forestry and Fishing	990	970	20	-	-	-	-	20
Precision Production, Craft and Repair	19,144	18,301	843	142	58	35	-	608
Machine Operators, Assemblers, Inspectors	20,160	17,891	2,269	261	151	31	8	1,818
Transportation and Material Moving	4,380	4,271	109	28	-	12	-	69
Handlers, Equip Cleaners, Helpers, Laborers	5,680	5,265	415	24	7	37	-	347
<b>Universe: Male Civilian Labor Force (e)</b>								
<b>Total Male, All Occupations (f)</b>	<b>76,633</b>	<b>73,267</b>	<b>3,366</b>	<b>524</b>	<b>258</b>	<b>150</b>	<b>19</b>	<b>2,415</b>
Percent	100.0	95.6	4.4	0.7	0.3	0.2	-	3.2
Executive, Administrative, and Managerial	9,901	9,701	200	54	25	13	-	108
Professional Specialty	8,855	8,566	289	53	74	26	6	130
Technicians and Related Support	3,255	3,141	114	33	22	-	5	54
Sales Occupations	6,143	6,064	79	13	6	12	-	48
Administrative Support, including Clerical	5,492	5,298	194	49	12	7	-	126
Service Occupations	7,142	7,012	130	24	17	8	-	81
Farming, Forestry and Fishing	767	755	12	-	-	-	-	12
Precision Production, Craft and Repair	16,838	16,164	674	126	48	30	-	470
Machine Operators, Assemblers, Inspectors	9,983	8,685	1,298	141	47	11	8	1,091
Transportation and Material Moving	3,927	3,833	94	17	-	12	-	65
Handlers, Equip Cleaners, Helpers, Laborers	4,330	4,048	8,378	14	7	31	-	230
<b>Universe: Female Civilian Labor Force (e)</b>								
<b>Total Female, All Occupations (f)</b>	<b>59,246</b>	<b>56,805</b>	<b>2,441</b>	<b>421</b>	<b>248</b>	<b>54</b>	<b>15</b>	<b>1,703</b>
Percent	100.0	95.9	4.1	0.7	0.4	-	-	2.9
Executive, Administrative, and Managerial	3,958	3,864	94	44	6	-	10	34
Professional Specialty	8,087	7,884	203	23	58	-	-	122
Technicians and Related Support	2,027	1,967	60	24	6	-	-	30
Sales Occupations	5,553	5,447	106	15	10	13	-	68
Administrative Support, including Clerical	17,002	16,543	459	120	30	5	-	304
Service Occupations	8,110	7,887	223	38	24	5	5	151
Farming, Forestry and Fishing	223	215	438	-	-	-	-	8
Precision Production, Craft and Repair	2,306	2,137	169	16	10	5	-	138
Machine Operators, Assemblers, Inspectors	10,177	9,206	971	120	104	20	-	727
Transportation and Material Moving	453	438	15	11	-	-	-	4
Handlers, Equip Cleaners, Helpers, Laborers	1,350	1,217	133	10	-	6	-	117

Table 3A

Lawrence-Haverhill, MA-NH  
SMSAEqual Employment Indicators  
Detailed Occupations by Sex and Race/Ethnicity (a)

Data from Census Bureau sample estimates (b)

Detailed Occupations by 1980 Census Occupation Code (c)	Universe: Civilian Labor Force (e)							
	Total	White Not Hispanic	Total Minority (d)	Black Not Hispanic	Asian/PI Not Hispanic	Native American Not Hispanic	Remaining Races Not Hispanic	Hispanic All Races
Execu- Administrative, and Managerial occupations: 003 Legislators	Total	19	19	-	-	-	-	-
	Female	100.0	100.0	-	-	-	-	-
004 Chief executives and general administrators, public administration	Total	14	14	-	-	-	-	-
	Female	73.7	73.7	-	-	-	-	-
005 Administrators and officials, public administration	Total	42	42	-	-	-	-	-
	Female	100.0	100.0	-	-	-	-	-
006 Administrators, protective services	Total	7	7	-	-	-	-	-
	Female	16.7	16.7	-	-	-	-	-
007 Financial managers	Total	309	292	17	-	-	-	17
	Female	100.0	94.5	5.5	-	-	-	5.5
008 Personnel and labor relations managers	Total	81	76	5	-	-	-	5
	Female	26.2	24.6	1.6	-	-	-	1.6
009 Purchasing managers	Total	35	29	6	-	-	-	6
	Female	100.0	82.9	17.1	-	-	-	17.1
013 Managers, marketing, advertising, and public relations	Total	-	-	-	-	-	-	-
	Female	729	723	6	6	-	-	-
014 Administrators, education and related fields	Total	250	244	6	0.8	-	-	-
	Female	34.3	33.5	0.8	0.8	-	-	-
015 Managers, medicine and health	Total	365	353	12	12	-	-	-
	Female	100.0	96.7	3.3	3.3	-	-	-
016 Managers, properties and real estate	Total	103	98	5	5	-	-	-
	Female	28.2	26.8	1.4	1.4	-	-	-
017 Managers, marketing, advertising, and public relations	Total	97	97	-	-	-	-	-
	Female	100.0	100.0	-	-	-	-	-
018 Administrators, education and related fields	Total	5	5	-	-	-	-	-
	Female	5.2	5.2	-	-	-	-	-
019 Managers, medicine and health	Total	956	943	13	7	6	-	-
	Female	100.0	98.6	1.4	0.7	0.6	-	-
020 Managers, properties and real estate	Total	146	139	7	7	-	-	-
	Female	15.3	14.5	0.7	0.7	-	-	-
021 Managers, marketing, advertising, and public relations	Total	557	517	40	20	-	-	20
	Female	100.0	92.8	7.2	3.6	-	-	3.6
022 Managers, medicine and health	Total	232	219	13	7	-	-	6
	Female	41.7	39.3	2.3	1.3	-	-	1.1
023 Managers, properties and real estate	Total	121	121	-	-	-	-	-
	Female	100.0	100.0	-	-	-	-	-
024 Managers, marketing, advertising, and public relations	Total	57	57	-	-	-	-	-
	Female	47.1	47.1	-	-	-	-	-
025 Managers, properties and real estate	Total	128	123	5	-	-	-	5
	Female	100.0	96.1	3.9	-	-	-	3.9
026 Managers, marketing, advertising, and public relations	Total	44	44	-	-	-	-	-
	Female	34.4	34.4	-	-	-	-	-

Table 3A (continued)

U.S. Department of Labor  
Employment and Training Administration  
1980 Census, Run on 15 May 1983  
Lawrence Berkeley Laboratory

Equal Employment Indicators  
Detailed Occupations by Sex and Race/Ethnicity (a)

Lawrence-Haverhill, MA-NH  
SMSA

Data from Census Bureau sample estimates (b)

Detailed Occupations by 1980 Census Occupation Code (c)	Universe: Civilian Labor Force (e)							
	Total	White Not Hispanic	Total Minority (d)	Black Not Hispanic	Asian/Pi Not Hispanic	Native American Not Hispanic	Remaining Races Not Hispanic	Hispanic All Races
Executive, Administrative, and Managerial Occupations (continued):								
017 Postmasters and mail superintendents	Total 18 100.0	18 100.0	-	-	-	-	-	-
	Female %							
018 Funeral directors	Total 51 100.0	51 100.0	-	-	-	-	-	-
	Female %	18 35.3						
(019)Managers and administrators, n.e.c., salaried	Total 6,017 100.0	5,908 98.2	109 1.8	30 0.5	18 0.3	7 0.1	54 0.9	16 0.3
	Female %	1,349 22.4						
(019)Managers and administrators, n.e.c., self-employed	Total 540 100.0	540 100.0	-	-	-	-	-	-
	Female %	148 27.4						
023 Accountants and auditors	Total 1,779 100.0	1,774 99.7	5 0.3	5 0.3	-	-	-	-
	Female %	810 45.5						
024 Underwriters	Total 18 100.0	18 100.0	-	-	-	-	-	-
	Female %	13 72.2						
025 Other financial officers	Total 468 100.0	462 98.7	6 1.3	-	6 1.3	-	-	-
	Female %	215 45.9						
026 Management analysts	Total 163 100.0	163 100.0	-	-	-	-	-	-
	Female %	24 14.7						
027 Personnel, training, and labor relations specialists	Total 458 100.0	428 93.4	30 6.6	11 2.4	7 1.5	-	-	12 2.6
	Female %	187 40.8						7 1.5
028 Purchasing agents and buyers, farm products	Total 7 100.0	7 100.0	-	-	-	-	-	-
	Female %	7 100.0						
029 Buyers, wholesale and retail trade except farm products	Total 220 100.0	220 100.0	-	-	-	-	-	-
	Female %	56 25.5						

Table 3A (continued)

U.S. Department of Labor  
Employment and Training Administration  
1980 Census, Run on 15 May 1983  
Lawrence Berkeley Laboratory

**Equal Employment Indicators  
Detailed Occupations by Sex and Race/Ethnicity (a)**

Lawrence-Haverhill, MA-NH  
SMSA

Data from Census Bureau sample estimates (b)

Detailed Occupations by 1980 Census Occupation Code (c)		Universe: Civilian Labor Force (e)							
		Total	White Not Hispanic	Total Minority (d)	Black Not Hispanic	Asian/PI Not Hispanic	Native American Not Hispanic	Remaining Races Not Hispanic	Hispanic All Races
Executive, Administrative, and Managerial Occupations (continued): 033 Purchasing agents and buyers, n.e.c.	Total	355	338	17	7	-	-	-	-
	%	100.0	95.2	4.8	2.0	-	-	-	-
	Female	108	91	17	7	-	-	-	-
	%	30.4	25.6	4.8	2.0	-	-	-	-
034 Business and promotion agents	Total	19	19	-	-	-	-	-	-
	%	100.0	100.0	-	-	-	-	-	-
	Female	5	5	-	-	-	-	-	-
	%	26.3	26.3	-	-	-	-	-	-
035 Construction inspectors	Total	108	80	28	-	-	-	-	28
	%	100.0	74.1	25.9	-	-	-	-	25.9
	Female	-	-	-	-	-	-	-	-
	%	-	-	-	-	-	-	-	-
036 Inspectors and compliance officers, exc. construction	Total	259	259	-	-	-	-	-	-
	%	100.0	100.0	-	-	-	-	-	-
	Female	74	74	-	-	-	-	-	-
	%	28.6	28.6	-	-	-	-	-	-
037 Management related occupations, n.e.c.	Total	21	21	-	-	-	-	-	-
	%	100.0	100.0	-	-	-	-	-	-
	Female	5	5	-	-	-	-	-	-
	%	23.8	23.8	-	-	-	-	-	-
Professional Specialty Occupations: 043 Architects	Total	76	76	-	-	-	-	-	-
	%	100.0	100.0	-	-	-	-	-	-
	Female	6	6	-	-	-	-	-	-
	%	7.9	7.9	-	-	-	-	-	-
044 Aerospace engineers	Total	213	206	7	7	-	-	-	-
	%	100.0	96.7	3.3	3.3	-	-	-	-
	Female	18	18	-	-	-	-	-	-
	%	8.5	8.5	-	-	-	-	-	-
045 Metallurgical and materials engineers	Total	15	15	-	-	-	-	-	-
	%	100.0	100.0	-	-	-	-	-	-
	Female	-	-	-	-	-	-	-	-
	%	-	-	-	-	-	-	-	-
046 Mining engineers	Total	-	-	-	-	-	-	-	-
	%	-	-	-	-	-	-	-	-
	Female	-	-	-	-	-	-	-	-
	%	-	-	-	-	-	-	-	-
047 Petroleum engineers	Total	-	-	-	-	-	-	-	-
	%	-	-	-	-	-	-	-	-
	Female	-	-	-	-	-	-	-	-
	%	-	-	-	-	-	-	-	-
048 Chemical engineers	Total	48	43	5	-	5	-	-	-
	%	100.0	89.6	10.4	-	10.4	-	-	-
	Female	5	5	-	-	-	-	-	-
	%	10.4	10.4	-	-	-	-	-	-

Table 3A (continued)

U.S. Department of Labor  
Employment and Training Administration  
1980 Census, Run on 15 May 1983  
Lawrence Berkeley Laboratory

Equal Employment Indicators  
Detailed Occupations by Sex and Race/Ethnicity (a)

Lawrence-Haverhill, MA-NH  
SMSA

Data from Census Bureau sample estimates (b)

Detailed Occupations by 1980 Census Occupation Code (c)	Universe: Civilian Labor Force (e)									
	Total	White Not Hispanic	Total Minority (d)	Black Not Hispanic	Asian/PI Not Hispanic	Native American Not Hispanic	Remaining Races Not Hispanic	Hispanic All Races		
Professional Specialty Occupations (continued): 049 Nuclear engineers	Total	-	-	-	-	-	-	-	-	-
	Female %	100.0	-	-	-	-	-	-	-	-
053 Civil engineers	Total	285	285	-	-	-	-	-	-	-
	Female %	100.0	100.0	-	-	-	-	-	-	-
054 Agricultural engineers	Total	-	-	-	-	-	-	-	-	-
	Female %	100.0	-	-	-	-	-	-	-	-
055 Electrical and electronic engineers	Total	1,123	1,085	38	21	17	17	17	17	17
	Female %	100.0	96.6	3.4	1.9	1.5	1.5	1.5	1.5	1.5
056 Industrial engineers	Total	642	638	4	4	4	4	4	4	4
	Female %	100.0	99.4	0.6	0.6	0.6	0.6	0.6	0.6	0.6
057 Mechanical engineers	Total	461	442	19	7	12	12	12	12	12
	Female %	100.0	95.9	4.1	1.5	2.6	2.6	2.6	2.6	2.6
058 Marine and naval architects	Total	6	6	-	-	-	-	-	-	-
	Female %	100.0	100.0	-	-	-	-	-	-	-
059 Engineers, n.e.c.	Total	493	487	6	6	6	6	6	6	6
	Female %	100.0	98.8	1.2	1.2	1.2	1.2	1.2	1.2	1.2
063 Surveyors and mapping scientists	Total	38	38	-	-	-	-	-	-	-
	Female %	100.0	100.0	-	-	-	-	-	-	-
064 Computer systems analysts and scientists	Total	373	349	24	5	12	12	12	12	12
	Female %	100.0	93.6	6.4	1.3	3.2	3.2	3.2	3.2	3.2
065 Operations and systems researchers and analysts	Total	79	73	6	6	6	6	6	6	6
	Female %	100.0	92.4	7.6	7.6	7.6	7.6	7.6	7.6	7.6

Equal Employment Indicators  
Detailed Occupations by Sex and Race/Ethnicity (a)

Data from Census Bureau sample estimates (b)

Detailed Occupations by 1980 Census Occupation Code (c)		Universe: Civilian Labor Force (e)							
		Total	White Not Hispanic	Total Minority (d)	Black Not Hispanic	Asian/PI Not Hispanic	Native American Not Hispanic	Remaining Races Not Hispanic	Hispanic All Races
Professional Specialty Occupations (continued): 066 Actuaries	Total	14	14	-	-	-	-	-	-
	Female %	100.0	100.0	-	-	-	-	-	-
067 Statisticians	Total	57	50.0	57	-	-	-	-	-
	Female %	100.0	100.0	-	-	-	-	-	-
068 Mathematical scientists, n.e.c.	Total	24	24	-	-	-	-	-	-
	Female %	42.1	42.1	-	-	-	-	-	-
069 Physicists and astronomers	Total	-	-	-	-	-	-	-	-
	Female %	-	-	-	-	-	-	-	-
073 Chemists, except biochemists	Total	21	21	-	-	-	-	-	-
	Female %	100.0	100.0	-	-	-	-	-	-
074 Atmospheric and space scientists	Total	147	135	12	5	7	7	7	7
	Female %	100.0	91.8	8.2	3.4	4.8	4.8	4.8	4.8
075 Geologists and geodesists	Total	25	18	7	-	-	-	-	-
	Female %	17.0	12.2	4.8	-	-	-	-	-
076 Physical scientists, n.e.c.	Total	19	19	-	-	-	-	-	-
	Female %	100.0	100.0	-	-	-	-	-	-
077 Agricultural and food scientists	Total	6	6	-	-	-	-	-	-
	Female %	31.6	31.6	-	-	-	-	-	-
078 Biological and life scientists	Total	14	14	-	-	-	-	-	-
	Female %	100.0	100.0	-	-	-	-	-	-
079 Forestry and conservation scientists	Total	7	7	-	-	-	-	-	-
	Female %	100.0	100.0	-	-	-	-	-	-
Professional Specialty Occupations (continued): 066 Actuaries	Total	23	16	7	-	7	-	7	-
	Female %	100.0	69.6	30.4	-	30.4	-	30.4	-
067 Statisticians	Total	12	5	7	-	-	-	-	-
	Female %	52.2	21.7	30.4	-	-	-	-	-
068 Mathematical scientists, n.e.c.	Total	55	55	-	-	-	-	-	-
	Female %	100.0	100.0	-	-	-	-	-	-
069 Physicists and astronomers	Total	10	10	-	-	-	-	-	-
	Female %	18.2	18.2	-	-	-	-	-	-
073 Chemists, except biochemists	Total	33	33	-	-	-	-	-	-
	Female %	100.0	100.0	-	-	-	-	-	-

Table 3A (continued)

U.S. Department of Labor  
Employment and Training Administration  
1980 Census, Run on 15 May 1983  
Lawrence Berkeley Laboratory

**Equal Employment Indicators  
Detailed Occupations by Sex and Race/Ethnicity (a)**

Lawrence-Haverhill, MA-NH  
SMSA

Data from Census Bureau sample estimates (b)

Detailed Occupations by 1980 Census Occupation Code (c)	Universe: Civilian Labor Force (e)							
	Total	White Not Hispanic	Total Minority (d)	Black Not Hispanic	Asian/PI Not Hispanic	Native American Not Hispanic	Remaining Races Not Hispanic	Hispanic All Races
Professional Specialty Occupations (continued):	Total	17	17	-	-	-	-	-
083 Medical scientists	Female	100.0	100.0	-	-	-	-	-
	%	4	4	-	-	-	-	-
	Total	23.5	23.5	-	-	-	-	-
084 Physicians	Female	319	307	12	-	-	-	12
	%	100.0	96.2	3.8	-	-	-	3.8
	Total	20	20	-	-	-	-	-
085 Dentists	Female	6.3	6.3	-	-	-	-	-
	Total	139	132	7	-	-	-	7
	%	100.0	95.0	5.0	-	-	-	5.0
	Total	6	6	-	-	-	-	-
086 Veterinarians	Female	4.3	4.3	-	-	-	-	-
	Total	46	46	-	-	-	-	-
	%	100.0	100.0	-	-	-	-	-
	Total	5	5	-	-	-	-	-
087 Optometrists	Female	10.9	10.9	-	-	-	-	-
	Total	25	25	-	-	-	-	-
	%	100.0	100.0	-	-	-	-	-
	Total	-	-	-	-	-	-	-
088 Podiatrists	Female	7	7	-	-	-	-	-
	Total	100.0	100.0	-	-	-	-	-
	%	-	-	-	-	-	-	-
089 Health diagnosing practitioners, n.e.c.	Total	33	33	-	-	-	-	-
	Female	100.0	100.0	-	-	-	-	-
	%	-	-	-	-	-	-	-
095 Registered nurses	Total	2,038	2,029	9	-	-	-	9
	Female	100.0	99.6	0.4	-	-	-	0.4
	%	1,997	1,988	9	-	-	-	9
	Total	98.0	97.5	0.4	-	-	-	0.4
096 Pharmacists	Female	177	167	10	-	-	-	10
	Total	100.0	94.4	5.6	-	-	-	5.6
	%	55	45	10	-	-	-	10
	Total	31.1	25.4	5.6	-	-	-	5.6
	%	67	67	-	-	-	-	-
097 Dietitians	Female	100.0	100.0	-	-	-	-	-
	Total	67	67	-	-	-	-	-
	%	100.0	100.0	-	-	-	-	-
	Total	79	79	-	-	-	-	-
	Female	100.0	100.0	-	-	-	-	-
	%	52	52	-	-	-	-	-
	Total	65.8	65.8	-	-	-	-	-
098 Inhalation therapists	Female	-	-	-	-	-	-	-
	Total	-	-	-	-	-	-	-
	%	-	-	-	-	-	-	-

Table 3A (continued)

U.S. Department of Labor  
Employment and Training Administration  
1980 Census, Run on 15 May 1983  
Lawrence Berkeley Laboratory

Equal Employment Indicators  
Detailed Occupations by Sex and Race/Ethnicity (a)

Lawrence-Haverhill, MA-NH  
SMSA

Data from Census Bureau sample estimates (b)

Detailed Occupations by 1980 Census Occupation Code (c)	Universe: Civilian Labor Force (e)							
	Total	White Not Hispanic	Total Minority (d)	Black Not Hispanic	Asian/PI Not Hispanic	Native American Not Hispanic	Remaining Races Not Hispanic	Hispanic All Races
Professional Specialty Occupations (continued): 099 Occupational therapists	Total	65	65	-	-	-	-	-
	Female	100.0	100.0	-	-	-	-	-
103 Physical therapists	Total	55	55	5	5	5	5	5
	Female	84.6	84.6	10.9	10.9	10.9	10.9	10.9
104 Speech therapists	Total	46	41	5	5	5	5	5
	Female	100.0	89.1	10.9	10.9	10.9	10.9	10.9
105 Therapists, n.e.c.	Total	46	41	5	5	5	5	5
	Female	100.0	89.1	10.9	10.9	10.9	10.9	10.9
106 Physicians' assistants	Total	37	37	-	-	-	-	-
	Female	100.0	100.0	-	-	-	-	-
Teachers, Postsecondary: 113 Earth, environmental, and marine science teachers	Total	37	37	-	-	-	-	-
	Female	100.0	100.0	-	-	-	-	-
114 Biological science teachers	Total	23	23	-	-	-	-	-
	Female	100.0	100.0	-	-	-	-	-
115 Chemistry teachers	Total	15	15	5	5	5	5	5
	Female	65.2	65.2	31.2	31.2	31.2	31.2	31.2
116 Physics teachers	Total	16	11	5	5	5	5	5
	Female	100.0	68.7	31.2	31.2	31.2	31.2	31.2
117 Natural science teachers, n.e.c.	Total	10	5	5	5	5	5	5
	Female	62.5	31.2	31.2	31.2	31.2	31.2	31.2
118 Psychology teachers	Total	6	6	-	-	-	-	-
	Female	100.0	100.0	-	-	-	-	-



Table 3A (continued)

U.S. Department of Labor  
Employment and Training Administration  
1980 Census, Run on 15 May 1983  
Lawrence Berkeley Laboratory

Equal Employment Indicators  
Detailed Occupations by Sex and Race/Ethnicity (a)

Lawrence-Haverhill, MA-NH  
SMSA

Data from Census Bureau sample estimates (b)

Detailed Occupations by 1980 Census Occupation Code (c)	Universe: Civilian Labor Force (e)							
	Total	White Not Hispanic	Total Minority (d)	Black Not Hispanic	Asian/PI Not Hispanic	Native American Not Hispanic	Remaining Races Not Hispanic	Hispanic All Races
Professional Specialty Occupations (continued):								
119 Economics teachers	Total %	6	6	-	-	-	-	-
	Female %	100.0	100.0	-	-	-	-	-
123 History teachers	Total %	-	-	-	-	-	-	-
	Female %	100.0	-	-	-	-	-	-
124 Political science teachers	Total %	-	-	-	-	-	-	-
	Female %	100.0	-	-	-	-	-	-
125 Sociology teachers	Total %	5	5	-	-	-	-	-
	Female %	100.0	100.0	-	-	-	-	-
126 Social science teachers, n.e.c.	Total %	-	-	-	-	-	-	-
	Female %	100.0	-	-	-	-	-	-
127 Engineering teachers	Total %	10	10	-	-	-	-	-
	Female %	100.0	100.0	-	-	-	-	-
128 Mathematical science teachers	Total %	19	19	-	-	-	-	-
	Female %	100.0	100.0	-	-	-	-	-
129 Computer science teachers	Total %	6	6	-	-	-	-	-
	Female %	31.6	31.6	-	-	-	-	-
133 Medical science teachers	Total %	-	-	-	-	-	-	-
	Female %	100.0	-	-	-	-	-	-
134 Health specialties teachers	Total %	34	26	8	-	-	-	8
	Female %	100.0	76.5	23.5	-	-	-	23.5
135 Business, commerce, and marketing teachers	Total %	34	26	8	-	-	-	8
	Female %	100.0	76.5	23.5	-	-	-	23.5
	Total %	7	7	-	-	-	-	-
	Female %	100.0	100.0	-	-	-	-	-
	Total %	7	7	-	-	-	-	-
	Female %	100.0	100.0	-	-	-	-	-

Table 3A (continued)

Lawrence-Haverhill, MA-NH  
SMSA

Equal Employment Indicators  
Detailed Occupations by Sex and Race/Ethnicity (a)

Data from Census Bureau sample estimates (b)

Detailed Occupations by 1980 Census Occupation Code (c)	Universe: Civilian Labor Force (e)							
	Total	White Not Hispanic	Total Minority (d)	Black Not Hispanic	Asian/PI Not Hispanic	Native American Not Hispanic	Remaining Races Not Hispanic	Hispanic All Races
Professional Specialty Occupations (continued):	Total %	-	-	-	-	-	-	-
136 Agriculture and forestry teachers	Female %	-	-	-	-	-	-	-
	Total %	32	32	-	-	-	-	-
137 Art, drama, and music teachers	Female %	100.0	100.0	-	-	-	-	-
	Female %	5	5	-	-	-	-	-
	Total %	15.6	15.6	-	-	-	-	-
138 Physical education teachers	Female %	22	22	-	-	-	-	-
	Female %	100.0	100.0	-	-	-	-	-
	Female %	9	9	-	-	-	-	-
	Total %	40.9	40.9	-	-	-	-	-
139 Education teachers	Female %	100.0	-	-	-	-	-	-
	Female %	-	-	-	-	-	-	-
	Total %	10	10	-	-	-	-	-
143 English teachers	Female %	100.0	100.0	-	-	-	-	-
	Female %	5	5	-	-	-	-	-
	Total %	50.0	50.0	-	-	-	-	-
144 Foreign language teachers	Female %	11	11	-	-	-	-	-
	Female %	100.0	100.0	-	-	-	-	-
	Female %	5	5	-	-	-	-	-
	Total %	45.5	45.5	-	-	-	-	-
145 Law teachers	Female %	100.0	-	-	-	-	-	-
	Female %	-	-	-	-	-	-	-
	Total %	-	-	-	-	-	-	-
146 Social work teachers	Female %	100.0	-	-	-	-	-	-
	Female %	-	-	-	-	-	-	-
	Total %	-	-	-	-	-	-	-
147 Theology teachers	Female %	100.0	-	-	-	-	-	-
	Female %	-	-	-	-	-	-	-
	Total %	-	-	-	-	-	-	-
148 Trade and industrial teachers	Female %	100.0	-	-	-	-	-	-
	Female %	-	-	-	-	-	-	-
	Total %	-	-	-	-	-	-	-
149 Home economics teachers	Female %	100.0	-	-	-	-	-	-
	Female %	-	-	-	-	-	-	-
	Total %	-	-	-	-	-	-	-

Table 3A (continued)

Lawrence-Haverhill, MA-NH  
SMSAEqual Employment Indicators  
Detailed Occupations by Sex and Race/Ethnicity (a)U.S. Department of Labor  
Employment and Training Administration  
1980 Census, Run on 15 May 1983  
Lawrence Berkeley Laboratory

Data from Census Bureau sample estimates (b)

Detailed Occupations by 1980 Census Occupation Code (c)	Universe: Civilian Labor Force (e)									
	Total	White Not Hispanic	Total Minority (d)	Black Not Hispanic	Asian/PI Not Hispanic	Native American Not Hispanic	Remaining Races Not Hispanic	Hispanic All Races		
Professional Specialty Occupations (continued): 153 Teachers, postsecondary, n.e.c.	Total	100.0	-	-	-	-	-	-	-	-
	Female %	-	-	-	-	-	-	-	-	-
154 Postsecondary teachers, subject not specified	Total	354	343	11	5	6	-	-	-	-
	Female %	100.0	96.9	3.1	1.4	1.7	-	-	-	-
155 Teachers, prekindergarten and kindergarten	Total	32.8	31.4	1.4	1.4	-	-	-	-	-
	Female %	-	-	-	-	-	-	-	-	-
156 Teachers, elementary school	Total	294	282	12	-	7	-	-	-	5
	Female %	100.0	95.9	4.1	-	2.4	-	-	-	1.7
157 Teachers, secondary school	Total	269	264	5	-	-	-	-	-	5
	Female %	91.5	89.8	1.7	-	-	-	-	-	1.7
158 Teachers, special education	Total	3,055	3,020	35	-	10	-	-	-	25
	Female %	100.0	98.9	1.1	-	0.3	-	-	-	0.8
159 Teachers, n.e.c.	Total	2,263	2,236	27	-	10	-	-	-	17
	Female %	74.1	73.2	0.9	-	0.3	-	-	-	0.6
163 Counselors, educational and vocational	Total	1,422	1,390	32	4	-	-	-	-	9
	Female %	100.0	97.7	2.3	0.3	-	-	-	-	0.6
164 Librarians	Total	716	716	-	-	-	-	-	-	-
	Female %	50.4	50.4	-	-	-	-	-	-	-
165 Archivists and curators	Total	41	35	6	-	-	-	-	-	6
	Female %	100.0	85.4	14.6	-	-	-	-	-	14.6
166 Economists	Total	41	35	6	-	-	-	-	-	6
	Female %	100.0	85.4	14.6	-	-	-	-	-	14.6
163 Counselors, educational and vocational	Total	553	520	33	4	-	-	-	-	6
	Female %	100.0	94.0	6.0	0.7	-	-	-	-	1.1
164 Librarians	Total	378	361	17	4	-	-	-	-	13
	Female %	68.4	65.3	3.1	0.7	-	-	-	-	4.2
165 Archivists and curators	Total	258	253	5	5	-	-	-	-	13
	Female %	100.0	98.1	1.9	1.9	-	-	-	-	5.3
166 Economists	Total	159	159	-	-	-	-	-	-	-
	Female %	61.6	61.6	-	-	-	-	-	-	-
153 Teachers, postsecondary, n.e.c.	Total	244	231	13	-	13	-	-	-	-
	Female %	100.0	94.7	5.3	-	5.3	-	-	-	-
154 Postsecondary teachers, subject not specified	Total	220	207	13	-	13	-	-	-	-
	Female %	90.2	84.8	5.3	-	5.3	-	-	-	-
155 Teachers, prekindergarten and kindergarten	Total	12	12	-	-	-	-	-	-	-
	Female %	100.0	100.0	-	-	-	-	-	-	-
156 Teachers, elementary school	Total	6	6	-	-	-	-	-	-	-
	Female %	50.0	50.0	-	-	-	-	-	-	-
157 Teachers, secondary school	Total	183	171	12	7	5	-	-	-	-
	Female %	100.0	93.4	6.6	3.8	2.7	-	-	-	-
158 Teachers, special education	Total	28	28	-	-	-	-	-	-	-
	Female %	15.3	15.3	-	-	-	-	-	-	-

Table 3A (continued)

U.S. Department of Labor  
Employment and Training Administration  
1980 Census, Run on 15 May 1983  
Lawrence Berkeley Laboratory

**Equal Employment Indicators  
Detailed Occupations by Sex and Race/Ethnicity (a)**

Lawrence-Haverhill, MA-NH  
SMSA

Data from Census Bureau sample estimates (b)

Detailed Occupations by 1980 Census Occupation Code (c)	Universe: Civilian Labor Force (e)							
	Total	White Not Hispanic	Total Minority (d)	Black Not Hispanic	Asian/Pi Not Hispanic	Native American Not Hispanic	Remaining Races Not Hispanic	Hispanic All Races
<b>Professional Specialty Occupations (continued):</b>	<b>Total</b>	<b>61</b>	<b>13</b>					<b>13</b>
167 Psychologists	100.0	82.4	17.6					17.6
	Female	33	13					13
	44.6	27.0	17.6					17.6
168 Sociologists	100.0							
	Female							
169 Social Scientists, n.e.c.	30	30						
	100.0	100.0						
	Female	8						
	26.7	26.7						
173 Urban planners	13	13						
	100.0	100.0						
	Female							
174 Social workers	630	544	86	4	6			76
	100.0	86.3	13.7	0.6	1.0			12.1
	Female	356	47	4	6			37
	56.5	49.0	7.5	0.6	1.0			5.9
175 Recreation workers	69	69						
	100.0	100.0						
	Female	62						
	89.9	89.9						
176 Clergy	203	203						
	100.0	100.0						
	Female	41						
	20.2	20.2						
177 Religious workers, n.e.c.	39	39						
	100.0	100.0						
	Female	32						
	82.1	82.1						
178 Lawyers	471	471						
	100.0	100.0						
	Female	67						
	14.2	14.2						
179 Judges	28	28						
	100.0	100.0						
	Female	6						
	21.4	21.4						
183 Authors	17	17						
	100.0	100.0						
	Female	12						
	70.6	70.6						

Table 3A (continued)

U.S. Department of Labor  
Employment and Training Administration  
1980 Census, Run on 15 May 1983  
Lawrence Berkeley Laboratory

Equal Employment Indicators  
Detailed Occupations by Sex and Race/Ethnicity (a)

Lawrence-Haverhill, MA-NH  
SMSA

Data from Census Bureau sample estimates (b)

Detailed Occupations by 1980 Census Occupation Code (c)	Universe: Civilian Labor Force (e)							
	Total	White Not Hispanic	Total Minority (d)	Black Not Hispanic	Asian/PI Not Hispanic	Native American Not Hispanic	Remaining Races Not Hispanic	Hispanic All Races
Professional Specialty Occupations (continued):	Total	111	111	-	-	-	-	-
184 Technical writers	Female	100.0	100.0	-	-	-	-	-
	%	18	16.2	-	-	-	-	-
185 Designers	Total	470	433	37	6	-	24	5.1
	Female	100.0	92.1	7.9	1.3	-	-	-
186 Musicians and composers	Total	124	124	-	-	-	-	-
	Female	100.0	100.0	-	-	-	-	-
187 Actors and directors	Total	35	35	-	-	-	-	-
	Female	28.2	28.2	-	-	-	-	-
188 Painters, sculptors, craft- artists, and artist printmakers	Total	16	16	-	-	-	-	-
	Female	10	10	-	-	-	-	-
	%	62.5	62.5	-	-	-	-	-
189 Photographers	Total	179	179	-	-	-	-	-
	Female	100.0	100.0	-	-	-	-	-
	%	71	71	-	-	-	-	-
	Total	39.7	39.7	-	-	-	-	-
193 Dancers	Total	82	82	-	-	-	-	-
	Female	100.0	100.0	-	-	-	-	-
	%	23	23	-	-	-	-	-
	Total	28.0	28.0	-	-	-	-	-
	Female	100.0	100.0	-	-	-	-	-
	%	-	-	-	-	-	-	-
194 Artists, performers, and related workers, n.e.c.	Total	58	58	-	-	-	-	-
	Female	100.0	100.0	-	-	-	-	-
	%	35	35	-	-	-	-	-
195 Editors and reporters	Total	219	206	13	-	-	13	5.9
	Female	100.0	94.1	5.9	-	-	5.9	5.9
	%	138	125	13	-	-	13	5.9
	Total	63.0	57.1	5.9	-	-	5.9	5.9
197 Public relations specialists	Total	85	85	-	-	-	-	-
	Female	100.0	100.0	-	-	-	-	-
	%	33	33	-	-	-	-	-
198 Announcers	Total	388	388	-	-	-	-	-
	Female	100.0	100.0	-	-	-	-	-
	%	6	6	-	-	-	-	-
	Total	100.0	100.0	-	-	-	-	-
	Female	-	-	-	-	-	-	-
	%	-	-	-	-	-	-	-

Table 3A (continued)

Lawrence-Haverhill, MA-NH  
SMSAEqual Employment Indicators  
Detailed Occupations by Sex and Race/Ethnicity (a)

Data from Census Bureau sample estimates (b)

		Universe: Civilian Labor Force (e)							
		Total	White Not Hispanic	Total Minority (d)	Black Not Hispanic	Asian/PI Not Hispanic	Native American Not Hispanic	Remaining Races Not Hispanic	Hispanic All Races
<b>Detailed Occupations by 1980 Census Occupation Code (c)</b>									
Professional Specialty Occupations (continued):									
199 Athletes		Total 53 100.0 Female 20 37.7	53 100.0 37.7	-	-	-	-	-	-
Technicians and Related Support Occupations:									
203 Clinical laboratory technologists and technicians		Total 260 100.0 Female 176 67.7 Total 104 100.0 Female 104 100.0	247 95.0 168 64.6 104 100.0 104 100.0	13 5.0 8 3.1	-	-	-	-	5 1.9 - - - -
204 Dental hygienists		Total 31 100.0 Female 31 100.0	31 100.0 31 100.0	-	-	-	-	-	8 3.1 3.1 -
205 Health record technologists and technicians		Total 174 100.0 Female 133 76.4 Total 683 100.0 Female 663 97.1	174 100.0 133 76.4 659 96.5 539 93.6	-	-	-	-	-	-
206 Radiologic technicians		Total 180 100.0 Female 114 63.3 Total 1,119 100.0 Female 171 15.3	180 100.0 114 63.3 1,070 95.6 165 14.7	-	-	-	-	-	-
207 Licensed practical nurses		Total 180 100.0 Female 114 63.3 Total 1,119 100.0 Female 171 15.3	180 100.0 114 63.3 1,070 95.6 165 14.7	-	-	-	-	-	-
208 Health technologists and technicians, n.e.c.		Total 180 100.0 Female 114 63.3 Total 1,119 100.0 Female 171 15.3	180 100.0 114 63.3 1,070 95.6 165 14.7	-	-	-	-	-	-
213 Electrical and electronic technicians		Total 180 100.0 Female 114 63.3 Total 1,119 100.0 Female 171 15.3	180 100.0 114 63.3 1,070 95.6 165 14.7	-	-	-	-	-	-
214 Industrial engineering technicians		Total 180 100.0 Female 114 63.3 Total 1,119 100.0 Female 171 15.3	180 100.0 114 63.3 1,070 95.6 165 14.7	-	-	-	-	-	-
215 Mechanical engineering technicians		Total 180 100.0 Female 114 63.3 Total 1,119 100.0 Female 171 15.3	180 100.0 114 63.3 1,070 95.6 165 14.7	-	-	-	-	-	-
216 Engineering technicians, n.e.c.		Total 180 100.0 Female 114 63.3 Total 1,119 100.0 Female 171 15.3	180 100.0 114 63.3 1,070 95.6 165 14.7	-	-	-	-	-	-

Table 3A (continued)

U.S. Department of Labor  
Employment and Training Administration  
1980 Census, Run on 15 May 1983  
Lawrence Berkeley Laboratory

**Equal Employment Indicators  
Detailed Occupations by Sex and Race/Ethnicity (a)**

Lawrence-Haverhill, MA-NH  
SMSA

Data from Census Bureau sample estimates (b)

		Universe: Civilian Labor Force (e)						
		Total	White Not Hispanic	Total Minority (d)	Black Not Hispanic	Asian/PI Not Hispanic	Native American Not Hispanic	Remaining Races Not Hispanic
Technicians and Related Support Occupations (continued):	<b>Total</b>	766	753	13	7	6	-	-
	Female %	100.0	98.3	1.7	0.9	0.8	-	-
217 Drafting occupations	<b>Total</b>	111	111	-	-	-	-	-
	Female %	14.5	14.5	-	-	-	-	-
218 Surveying and mapping technicians	<b>Total</b>	78	71	7	-	-	-	7
	Female %	100.0	91.0	9.0	-	-	-	9.0
233 Biological technicians	<b>Total</b>	5	5	-	-	-	-	-
	Female %	6.4	6.4	-	-	-	-	-
234 Chemical technicians	<b>Total</b>	25	25	-	-	-	-	-
	Female %	100.0	100.0	-	-	-	-	-
225 Science technicians, n.e.c.	<b>Total</b>	11	11	-	-	-	-	-
	Female %	44.0	44.0	-	-	-	-	-
226 Airplane pilots and navigators	<b>Total</b>	121	121	-	-	-	-	-
	Female %	100.0	100.0	-	-	-	-	-
227 Air traffic controllers	<b>Total</b>	12	12	-	-	-	-	-
	Female %	9.9	9.9	-	-	-	-	-
228 Broadcast equipment operators	<b>Total</b>	146	146	-	-	-	-	-
	Female %	100.0	100.0	-	-	-	-	-
229 Computer programmers	<b>Total</b>	64	64	-	-	-	-	-
	Female %	43.8	43.8	-	-	-	-	-
233 Tool programmers, numerical control	<b>Total</b>	83	83	-	-	-	-	-
	Female %	100.0	100.0	-	-	-	-	-
234 Legal assistants	<b>Total</b>	-	-	-	-	-	-	-
	Female %	-	-	-	-	-	-	-
217 Drafting occupations	<b>Total</b>	30	24	6	-	-	-	6
	Female %	100.0	80.0	20.0	-	-	-	20.0
228 Broadcast equipment operators	<b>Total</b>	6	6	-	-	-	-	-
	Female %	20.0	20.0	-	-	-	-	-
229 Computer programmers	<b>Total</b>	80	80	-	-	-	-	-
	Female %	100.0	100.0	-	-	-	-	-
233 Tool programmers, numerical control	<b>Total</b>	39	39	-	-	-	-	-
	Female %	48.7	48.7	-	-	-	-	-
234 Legal assistants	<b>Total</b>	466	435	31	12	7	-	12
	Female %	100.0	93.3	6.7	2.6	1.5	-	2.6
234 Legal assistants	<b>Total</b>	188	176	12	-	-	-	12
	Female %	40.3	37.8	2.6	-	-	-	2.6
234 Legal assistants	<b>Total</b>	27	27	-	-	-	-	-
	Female %	100.0	100.0	-	-	-	-	-
234 Legal assistants	<b>Total</b>	-	-	-	-	-	-	-
	Female %	-	-	-	-	-	-	-
234 Legal assistants	<b>Total</b>	50	50	-	-	-	-	-
	Female %	100.0	100.0	-	-	-	-	-
234 Legal assistants	<b>Total</b>	33	33	-	-	-	-	-
	Female %	66.0	66.0	-	-	-	-	-

Table 3A (continued)

Lawrence-Haverhill, MA-NH  
SMSAEqual Employment Indicators  
Detailed Occupations by Sex and Race/Ethnicity (a)

Data from Census Bureau sample estimates (b)

Detailed Occupations by 1980 Census Occupation Code (c)	Universe: Civilian Labor Force (e)							
	Total	White Not Hispanic	Total Minority (d)	Black Not Hispanic	Asian/PI Not Hispanic	Native American Not Hispanic	Remaining Races Not Hispanic	Hispanic All Races
Technicians and Related Support Occupations (Continued): 235 Technicians, n.e.c.	Total	473	452	21	9			12
	Female	100.0	95.6	4.4	1.9			2.5
	%	18.8	89					
Sales Occupations: (243) Supervisors and proprietors, sales occupations, salaried	Total	1,532	1,505	27		7		20
	Female	100.0	98.2	1.8		0.5		1.3
	%	404	377	27		7		20
(243) Supervisors and proprietors, sales occupations, self-employed	Total	439	439	1.8		0.5		1.3
	Female	100.0	100.0					
	%	135	135					
253 Insurance sales occupations	Total	607	607					
	Female	100.0	100.0					
	%	21.1	21.1					
254 Real estate sales occupations	Total	623	611	12		6		6
	Female	100.0	98.1	1.9		1.0		1.0
	%	316	304	12		6		6
255 Securities and financial services sales occupations	Total	105	105	1.9		1.0		1.0
	Female	100.0	100.0					
	%	12	12					
256 Advertising and related sales occupations	Total	59	59					
	Female	100.0	100.0					
	%	6	6					
257 Sales occupations, other business services	Total	355	355					
	Female	100.0	100.0					
	%	110	110					
258 Sales engineers	Total	127	127					
	Female	100.0	100.0					
	%							
259 Sales representatives, mining, manufacturing, and wholesale	Total	1,625	1,619	6		6		6
	Female	100.0	99.6	0.4		0.4		0.4
	%	231	231					
263 Sales workers, motor vehicles and boats	Total	286	286					
	Female	100.0	100.0					
	%	7	7					



Table 3A (continued)

U.S. Department of Labor  
Employment and Training Administration  
1980 Census, Run on 15 May 1983  
Lawrence Berkeley Laboratory

**Equal Employment Indicators  
Detailed Occupations by Sex and Race/Ethnicity (a)**

Lawrence-Haverhill, MA-NH  
SMSA

Data from Census Bureau sample estimates (b)

	Universe: Civilian Labor Force (e)							
	Total	White Not Hispanic	Total Minority (d)	Black Not Hispanic	Asian/PI Not Hispanic	Native American Not Hispanic	Remaining Races Not Hispanic	Hispanic All Races
<b>Detailed Occupations by 1980 Census Occupation Code (c)</b>								
<b>Sales Occupations (continued):</b>	<b>Total</b>	<b>568</b>	<b>24</b>	<b>15</b>				<b>9</b>
264 Sales workers, apparel	100.0	95.9	4.1	2.5				1.5
	Female	481	15	15				
	%	81.2	2.5	2.5				
265 Sales workers, shoes	<b>Total</b>	<b>105</b>						
	Female	100.0						
	%	60						
266 Sales workers, furniture and home furnishings	<b>Total</b>	<b>57.1</b>						
	Female	121	<b>6</b>					<b>6</b>
	%	100.0	5.0					5.0
	Female	30.6	37					
	%	85	30.6					
267 Sales workers; radio, TV, hi-fi, and appliances	<b>Total</b>	<b>13</b>						
	Female	15.3	13					
	%	211	15.3					
268 Sales workers, hardware and building supplies	<b>Total</b>	<b>211</b>						
	Female	100.0						
	%	20						
269 Sales workers, parts	<b>Total</b>	<b>9.5</b>						
	Female	224	<b>6</b>					<b>6</b>
	%	100.0	2.7					2.7
	Female	2.7	6					
	%	27	2.7					
274 Sales workers, other commodities	<b>Total</b>	<b>2,038</b>	<b>50</b>	<b>13</b>				<b>37</b>
	Female	1,000	2.4	0.6				1.8
	%	1,512	15					1.5
	%	72.4	0.7					0.7
275 Sales counter clerks	<b>Total</b>	<b>119</b>	<b>7</b>					
	Female	100.0	5.9					
	%	97						
	%	81.5						
276 Cashiers	<b>Total</b>	<b>2,074</b>	<b>47</b>					<b>32</b>
	Female	1,000	2.3					1.5
	%	1,806	37					2.7
	%	87.1	1.8					1.3
277 Street and door-to-door sales workers	<b>Total</b>	<b>182</b>						
	Female	100.0						
	%	106						
	%	58.2						
278 News vendors	<b>Total</b>	<b>129</b>						
	Female	100.0						
	%	58						
	%	45.0						

Table 3A (continued)

U.S. Department of Labor  
Employment and Training Administration  
1980 Census, Run on 15 May 1983  
Lawrence Berkeley Laboratory

**Equal Employment Indicators  
Detailed Occupations by Sex and Race/Ethnicity (a)**

Lawrence-Haverhill, MA-NH  
SMSA

Data from Census Bureau sample estimates (b)

		Universe: Civilian Labor Force (e)									
		Total	White Not Hispanic	Total Minority (d)	Black Not Hispanic	Asian/Pi Not Hispanic	Native American Not Hispanic	Remaining Races Not Hispanic	Hispanic All Races		
Detailed Occupations by 1980 Census Occupation Code (c)	Total										
	Female %										
Sales Occupations (continued):											
283 Demonstrators, promoters and models, sales	Total	903	875	28	16						12
	Female %	100.0	96.9	3.1	1.8						1.3
284 Auctioneers	Total	65.6	592	16	16						
	Female %	87	63.8	1.8	1.8						
285 Sales support occupations, n.e.c.	Total	8	8								
	Female %	100.0	100.0								
Administrative Support Occupations, including Clerical:											
303 Supervisors: general office	Total	247	247								
	Female %	100.0	100.0								
304 Supervisors: computer equipment operators	Total	48.6	48.6								
	Female %	87	87								
305 Supervisors: financial records processing	Total	37	37								
	Female %	42.5	42.5								
306 Chief communications operators	Total	281	271	10							10
	Female %	100.0	96.4	3.6							3.6
307 Supervisors: distribution, scheduling, and adjusting clerks	Total	39	39								
	Female %	13.9	13.9								
308 Computer operators	Total	696	666	30	11	6					13
	Female %	100.0	95.7	4.3	1.6	0.9					1.9
309 Peripheral equipment operators	Total	394	381	13							13
	Female %	56.6	54.7	1.9							1.9
313 Secretaries	Total	34	34								
	Female %	100.0	100.0								
	Total	4,619	4,510	109	34	11					64
	Female %	100.0	97.6	2.4	0.7	0.2					1.4
	Total	4,586	4,477	109	34	11					64
	Female %	99.3	96.9	2.4	0.7	0.2					1.4

Table 3A (continued)

U.S. Department of Labor  
Employment and Training Administration  
1980 Census, Run on 15 May 1983  
Lawrence Berkeley Laboratory

Equal Employment Indicators  
Detailed Occupations by Sex and Race/Ethnicity (a)

Lawrence-Haverhill, MA-NH  
MSMA

Data from Census Bureau sample estimates (b)

Detailed Occupations by 1980 Census Occupation Code (c)	Universe: Civilian Labor Force (e)							
	Total	White Not Hispanic	Total Minority (d)	Black Not Hispanic	Asian/Pt Not Hispanic	Native American Not Hispanic	Remaining Races Not Hispanic	Hispanic All Races
Administrative Support Occupations, including Clerical (continued): 314 Stenographers	Total	99	93	6	6	-	-	-
	Female	100.0	93.9	6.1	6.1	-	-	-
315 Typists	Total	79	73	6	6	-	-	-
	Female	79.8	73.7	6.1	6.1	-	-	-
316 Interviewers	Total	807	743	64	20	-	-	44
	Female	100.0	92.1	7.9	2.5	-	-	5.5
317 Hotel clerks	Total	802	738	64	20	-	-	44
	Female	99.4	91.4	7.9	2.5	-	-	5.5
318 Transportation ticket and reservation agents	Total	172	158	14	6	6	-	8
	Female	100.0	91.9	8.1	3.5	3.5	-	4.7
319 Receptionists	Total	142	134	8	-	-	-	8
	Female	82.6	77.9	4.7	-	-	-	4.7
323 Information clerks, n.e.c.	Total	60	60	-	-	-	-	-
	Female	100.0	100.0	-	-	-	-	-
325 Classified-ad clerks	Total	40	40	-	-	-	-	-
	Female	66.7	66.7	-	-	-	-	-
326 Correspondence clerks	Total	60	52	8	-	-	-	8
	Female	100.0	86.7	13.3	-	-	-	13.3
327 Order clerks	Total	41	41	-	-	-	-	-
	Female	68.3	68.3	-	-	-	-	-
328 Personnel clerks, except payroll and timekeeping	Total	555	540	15	-	-	-	15
	Female	100.0	97.3	2.7	-	-	-	2.7
329 Information clerks, n.e.c.	Total	542	527	15	-	-	-	15
	Female	97.7	95.0	2.7	-	-	-	2.7
330 Classified-ad clerks	Total	97	97	-	-	-	-	-
	Female	100.0	100.0	-	-	-	-	-
331 Correspondence clerks	Total	72	72	-	-	-	-	-
	Female	74.2	74.2	-	-	-	-	-
332 Order clerks	Total	5	5	-	-	-	-	-
	Female	100.0	100.0	-	-	-	-	-
333 Correspondence clerks	Total	5	5	-	-	-	-	-
	Female	100.0	100.0	-	-	-	-	-
334 Order clerks	Total	10	10	-	-	-	-	-
	Female	100.0	100.0	-	-	-	-	-
335 Personnel clerks, except payroll and timekeeping	Total	10	10	-	-	-	-	-
	Female	100.0	100.0	-	-	-	-	-
336 Personnel clerks, except payroll and timekeeping	Total	406	406	-	-	-	-	-
	Female	100.0	100.0	-	-	-	-	-
337 Personnel clerks, except payroll and timekeeping	Total	287	287	-	-	-	-	-
	Female	70.7	70.7	-	-	-	-	-
338 Personnel clerks, except payroll and timekeeping	Total	101	89	12	6	-	-	6
	Female	100.0	88.1	11.9	5.9	-	-	5.9
339 Personnel clerks, except payroll and timekeeping	Total	101	89	12	6	-	-	6
	Female	100.0	88.1	11.9	5.9	-	-	5.9

Data from Census Bureau sample estimates (b)

Detailed Occupations by 1980 Census Occupation Code (c)	Universe: Civilian Labor Force (e)							
	Total	White Not Hispanic	Total Minority (d)	Black Not Hispanic	Asian/PI Not Hispanic	Native American Not Hispanic	Remaining Races Not Hispanic	Hispanic All Races
Administrative Support Occupations, including Clerical (continued): 329 Library clerks	Total	240	226	14	7	-	-	7
	Female	100.0	94.2	5.8	2.9	-	-	2.9
335 File clerks	Total	97.1	226	7	-	-	-	7
	Female	504	491	13	6	-	-	2.9
336 Records clerks	Total	100.0	97.4	2.6	1.2	-	-	7
	Female	418	405	13	6	-	-	1.4
337 Bookkeepers, accounting, and auditing clerks	Total	82.9	80.4	2.5	1.2	-	-	7
	Female	104	104	-	-	-	-	1.4
338 Payroll and timekeeping clerks	Total	100.0	100.0	-	-	-	-	-
	Female	88	88	-	-	-	-	-
339 Billing clerks	Total	84.6	84.6	-	-	-	-	-
	Female	2,138	2,124	14	-	-	-	14
343 Cost and rate clerks	Total	100.0	99.3	0.7	-	-	-	0.7
	Female	2,003	1,996	7	-	-	-	7
344 Billing, posting, and calculating machine operators	Total	93.7	93.4	0.3	-	-	-	0.3
	Female	340	340	-	-	-	-	-
345 Duplicating machine operators	Total	100.0	100.0	-	-	-	-	-
	Female	281	281	-	-	-	-	-
346 Mail preparing and paper handling machine operators	Total	82.6	82.6	-	-	-	-	-
	Female	114	114	-	-	-	-	-
347 Office machine operators, n.e.c.	Total	100.0	100.0	-	-	-	-	-
	Female	108	108	-	-	-	-	-
348 Office machine operators, n.e.c.	Total	94.7	94.7	-	-	-	-	-
	Female	75	70	5	5	-	-	7
349 Office machine operators, n.e.c.	Total	100.0	93.3	6.7	6.7	-	-	26.9
	Female	29	29	-	-	-	-	-
350 Office machine operators, n.e.c.	Total	38.7	38.7	-	-	-	-	-
	Female	97	97	-	-	-	-	-
351 Office machine operators, n.e.c.	Total	100.0	100.0	-	-	-	-	-
	Female	97	97	-	-	-	-	-
352 Office machine operators, n.e.c.	Total	100.0	100.0	-	-	-	-	-
	Female	26	19	7	5	-	-	7
353 Office machine operators, n.e.c.	Total	100.0	73.1	26.9	6.7	-	-	26.9
	Female	15	15	-	-	-	-	-
354 Office machine operators, n.e.c.	Total	57.7	57.7	-	-	-	-	-
	Female	-	-	-	-	-	-	-
355 Office machine operators, n.e.c.	Total	100.0	-	-	-	-	-	-
	Female	-	-	-	-	-	-	-
356 Office machine operators, n.e.c.	Total	34	34	-	-	-	-	-
	Female	100.0	100.0	-	-	-	-	-
357 Office machine operators, n.e.c.	Total	8	8	-	-	-	-	-
	Female	23.5	23.5	-	-	-	-	-

Table 3A (continued)

Lawrence-Haverhill, MA-NH  
SMSAEqual Employment Indicators  
Detailed Occupations by Sex and Race/Ethnicity (a)U.S. Department of Labor  
Employment and Training Administration  
1980 Census, Run on 15 May 1983  
Lawrence Berkeley Laboratory

Data from Census Bureau sample estimates (b)

Detailed Occupations by 1980 Census Occupation Code (c)	Universe: Civilian Labor Force (e)							
	Total	White Not Hispanic	Total Minority (d)	Black Not Hispanic	Asian/PI Not Hispanic	Native American Not Hispanic	Remaining Races Not Hispanic	Hispanic All Races
Administrative Support Occupations, including Clerical (continued): 348 Telephone operators	Total	499	499	-	-	-	-	-
	% Female	100.0	100.0	-	-	-	-	-
349 Telegraphers	Total	478	478	-	-	-	-	-
	% Female	95.8	95.8	-	-	-	-	-
353 Communications equipment operators, n.e.c.	Total	20	20	-	-	-	-	-
	% Female	100.0	100.0	-	-	-	-	-
354 Postal clerks, exc. mail carriers	Total	210	210	-	-	-	-	-
	% Female	100.0	100.0	-	-	-	-	-
355 Mail carriers, postal service	Total	381	381	-	-	-	-	-
	% Female	100.0	100.0	-	-	-	-	-
356 Mail clerks, exc. postal service	Total	125	125	-	-	-	-	-
	% Female	100.0	100.0	-	-	-	-	-
357 Messengers	Total	104	104	-	-	-	-	-
	% Female	100.0	100.0	-	-	-	-	-
359 Dispatchers	Total	138	138	-	-	-	-	-
	% Female	100.0	100.0	-	-	-	-	-
363 Production coordinators	Total	600	582	18	18	-	-	-
	% Female	258	247	11	11	-	-	-
364 Traffic, shipping, and receiving clerks	Total	1,006	952	54	1.8	7	47	4.7
	% Female	100.0	94.6	5.4	0.7	0.7	4.7	4.7
365 Stock and inventory clerks	Total	786	735	51	11	6	34	4.3
	% Female	100.0	93.5	6.5	1.4	0.8	4.3	4.3
		40.1	35.9	4.2	1.4	0.8	16	2.0

Equal Employment Indicators  
Detailed Occupations by Sex and Race/Ethnicity (a)U.S. Department of Labor  
Employment and Training Administration  
1980 Census, Run on 15 May 1983  
Lawrence Berkeley Laboratory

Data from Census Bureau sample estimates (b)

Detailed Occupations by 1980 Census Occupation Code (c)	Universe: Civilian Labor Force (e)							
	Total	White Not Hispanic	Total Minority (d)	Black Not Hispanic	Asian/PI Not Hispanic	Native American Not Hispanic	Remaining Races Not Hispanic	Hispanic All Races
Administrative Support Occupations, including Clerical (continued): 366 Meter readers	Total	86	74	12	7	-	-	5
	Female %	100.0	86.0	14.0	8.1	-	-	5.8
368 Weighers, measurers, and checkers	Total	60	60	-	-	-	-	-
	Female %	100.0	100.0	-	-	-	-	-
369 Samplers	Total	36.7	36.7	-	-	-	-	-
	Female %	100.0	-	-	-	-	-	-
373 Expeditors	Total	292	269	23	-	-	-	18
	Female %	100.0	92.1	7.9	-	-	-	6.2
374 Material recording, scheduling, and distributing clerks, n.e.c.	Total	163	140	23	-	-	-	18
	Female %	55.8	47.9	7.9	-	-	-	6.2
375 Insurance adjusters, examiners, and investigators	Total	42	42	-	-	-	-	-
	Female %	100.0	100.0	-	-	-	-	-
376 Investigators and adjusters, except insurance	Total	142	142	-	-	-	-	-
	Female %	100.0	100.0	-	-	-	-	-
377 Eligibility clerks, social welfare	Total	91	91	-	-	-	-	-
	Female %	64.1	64.1	-	-	-	-	-
378 Bill and account collectors	Total	7	7	-	-	-	-	-
	Female %	100.0	100.0	-	-	-	-	-
379 General office clerks	Total	108	108	-	-	-	-	-
	Female %	100.0	100.0	-	-	-	-	-
383 Bank tellers	Total	74	74	-	-	-	-	-
	Female %	68.5	68.5	-	-	-	-	-
383 Bank tellers	Total	1,889	1,822	67	15	6	6	46
	Female %	100.0	96.5	3.5	0.8	0.3	0.3	2.4
383 Bank tellers	Total	1,609	1,547	62	10	6	6	46
	Female %	85.2	81.9	3.3	0.5	0.3	0.3	2.4
383 Bank tellers	Total	597	578	19	-	-	-	19
	Female %	100.0	96.8	3.2	-	-	-	3.2
383 Bank tellers	Total	506	554	12	-	-	-	12
	Female %	94.8	92.8	2.0	-	-	-	2.0

Table 3A (continued)

Lawrence-Haverhill, MA-NH  
SMSAEqual Employment Indicators  
Detailed Occupations by Sex and Race/Ethnicity (a)U.S. Department of Labor  
Employment and Training Administration  
1980 Census, Run on 15 May 1983  
Lawrence Berkeley Laboratory

Data from Census Bureau sample estimates (b)

Detailed Occupations by 1980 Census Occupation Code (c)	Universe: Civilian Labor Force (e)									
	Total	White Not Hispanic	Total Minority (d)	Black Not Hispanic	Asian/PI Not Hispanic	Native American Not Hispanic	Remaining Races Not Hispanic	Hispanic All Races		
Admin. Support, inc. Clerical (cont.): 384 Proofreaders	Total	16	10	6	-	-	-	6		
	Female %	100.0	62.5	37.5	-	-	-	37.5		
385 Data-entry keyers	Total	695	312	37.5	-	-	-	37.5		
	Female %	100.0	100.0	-	-	-	-	-		
386 Statistical clerks	Total	205	94.8	-	-	-	-	-		
	Female %	100.0	97.6	2.4	-	-	-	2.4		
387 Teachers' aides	Total	417	148	2.4	-	-	-	2.4		
	Female %	100.0	72.2	2.4	7	1.7	-	14		
389 Administrative support occupations, n.e.c.	Total	880	396	5.0	-	-	-	3.4		
	Female %	100.0	95.0	5.0	7	1.7	-	3.4		
Private Household Occupations: 403 Launderers and ironers	Total	535	852	28	7	-	-	21		
	Female %	60.8	96.8	3.2	0.8	-	-	2.4		
404 Cooks, private household	Total	6	519	16	-	-	-	16		
	Female %	100.0	100.0	-	-	-	-	1.8		
405 Housekeepers and butlers	Total	54	6	-	-	-	-	-		
	Female %	100.0	100.0	-	-	-	-	-		
406 Child care workers, private household	Total	141	44	7	-	-	-	7		
	Female %	100.0	81.5	4.7	-	-	-	4.7		
407 Private household cleaners and servants	Total	141	123	7	-	-	-	7		
	Female %	100.0	87.8	4.7	-	-	-	4.7		
Protective Service Occupations: 413 Supervisors: firefighting and fire prevention occupations	Total	128	117	11	6	-	-	5		
	Female %	90.8	92.2	7.8	4.3	-	-	3.5		

Table 3A (continued)

Lawrence-Haverhill, MA-NH  
SMSAEqual Employment Indicators  
Detailed Occupations by Sex and Race/Ethnicity (a)

Data from Census Bureau sample estimates (b)

Detailed Occupations by 1980 Census Occupation Code (c)	Universe: Civilian Labor Force (e)							
	Total	White Not Hispanic	Total Minority (d)	Black Not Hispanic	Asian/PI Not Hispanic	Native American Not Hispanic	Remaining Races Not Hispanic	Hispanic All Races
Protective Service Occupations (continued): 414 Supervisors: police and detectives	Total	80	-	-	-	-	-	-
	Female %	100.0	100.0	-	-	-	-	-
415 Supervisors: guards	Total	46	-	-	-	-	-	-
	Female %	100.0	100.0	-	-	-	-	-
416 Fire inspection and fire prevention occupations	Total	17	-	-	-	-	-	-
	Female %	100.0	100.0	-	-	-	-	-
417 Firefighting occupations	Total	543	-	-	-	-	-	-
	Female %	100.0	100.0	-	-	-	-	-
418 Police and detectives, public service	Total	550	-	11	-	-	-	11
	Female %	100.0	98.0	2.0	-	-	-	2.0
423 Sheriffs, bailiffs, and other law enforcement officers	Total	20	-	11	-	-	-	11
	Female %	100.0	100.0	2.0	-	-	-	2.0
424 Correctional institution officers	Total	56	-	5	-	-	-	5
	Female %	100.0	91.1	8.9	-	-	-	8.9
425 Crossing guards	Total	89	-	-	-	-	-	-
	Female %	100.0	100.0	-	-	-	-	-
426 Guards and police, except public service	Total	826	-	12	-	-	-	8
	Female %	100.0	98.5	1.5	-	-	-	1.0
427 Protective service occupations, n.e.c.	Total	82	-	-	-	-	-	-
	Female %	100.0	100.0	-	-	-	-	-
Service Occupations, except Protective and Private Household: 433 Supervisors: food preparation and service occupations	Total	291	286	5	-	5	-	-
	Female %	100.0	98.3	1.7	-	1.7	-	-
		143	143	-	-	-	-	-
		49.1	49.1	-	-	-	-	-



Table 3A (continued)

U.S. Department of Labor  
Employment and Training Administration  
1980 Census, Run on 15 May 1983  
Lawrence Berkeley Laboratory

Lawrence-Haverhill, MA-NH  
SMSA

Equal Employment Indicators  
Detailed Occupations by Sex and Race/Ethnicity (a)

Data from Census Bureau sample estimates (b)

Detailed Occupations by 1980 Census Occupation Code (c)	Universe: Civilian Labor Force (e)									
	Total	White Not Hispanic	Total Minority (d)	Black Not Hispanic	Asian/PI Not Hispanic	Native American Not Hispanic	Remaining Races Not Hispanic	Hispanic All Races		
Service Occupations, except Protective and Private Household (continued): 434 Bartenders	Total	312	312	-	-	-	-	-		
	Female	100.0	100.0	-	-	-	-	-		
435 Waiters and waitresses	Total	1,658	1,638	20	7	-	13	0.8		
	Female	1,530	1,510	20	7	-	13	0.8		
436 Cooks, except short order	Total	1,004	985	19	6	-	13	1.3		
	Female	440	440	1.9	0.6	-	-	-		
437 Short-order cooks	Total	133	133	-	-	-	-	-		
	Female	50	50	-	-	-	-	-		
438 Food counter, fountain and related occupations	Total	262	262	-	-	-	-	-		
	Female	212	212	-	-	-	-	-		
439 Kitchen workers, food preparation	Total	131	131	-	-	-	-	-		
	Female	90	90	-	-	-	-	-		
443 Waiters/waitresses' assistants	Total	210	210	-	-	-	-	-		
	Female	117	117	-	-	-	-	-		
444 Miscellaneous food preparation occupations	Total	1,118	1,078	40	16	7	17	1.5		
	Female	700	675	25	10	7	8	0.7		
445 Dental assistants	Total	249	249	-	-	-	-	-		
	Female	242	242	-	-	-	-	-		
446 Health aides, except nursing	Total	364	352	12	6	6	6	1.6		
	Female	301	295	6	6	1.6	-	-		
447 Nursing aides, orderlies, and attendants	Total	1,594	1,519	75	13	6	46	2.9		
	Female	1,457	1,397	60	13	0.4	5	0.3		
		91.4	87.6	3.8	0.8	-	0.3	-		

Data from Census Bureau sample estimates (b)

Detailed Occupations by 1980 Census Occupation Code (c)		Universe: Civilian Labor Force (e)							
		Total	White Not Hispanic	Total Minority (d)	Black Not Hispanic	Asian/PI Not Hispanic	Native American Not Hispanic	Remaining Races Not Hispanic	Hispanic All Races
Service Occupations, except Protective and Private Household (continued): 448 Supervisors: cleaning and building service workers	Total	124	124	-	-	-	-	-	-
	Female %	100.0	100.0	-	-	-	-	-	-
449 Maids and housemen	Total	18	14.5	36	-	-	-	-	36
	Female %	519	93.1	6.9	-	-	-	-	6.9
453 Janitors and cleaners	Total	344	326	18	-	-	-	-	18
	Female %	66.3	62.8	3.5	-	-	-	-	3.5
454 Elevator operators	Total	2,360	2,316	44	18	-	-	-	26
	Female %	100.0	98.1	1.9	0.8	-	-	-	1.1
455 Pest control occupations	Total	304	295	9	9	-	-	-	-
	Female %	12.9	12.5	0.4	0.4	-	-	-	-
456 Supervisors: personal service occupations	Total	19	19	-	-	-	-	-	-
	Female %	100.0	100.0	-	-	-	-	-	-
457 Barbers	Total	12	12	-	-	-	-	-	-
	Female %	100.0	100.0	-	-	-	-	-	-
458 Hairdressers and cosmetologists	Total	15	15	-	-	-	-	-	-
	Female %	100.0	100.0	-	-	-	-	-	-
459 Attendants, amusement and recreation facilities	Total	153	153	-	-	-	-	-	-
	Female %	100.0	100.0	-	-	-	-	-	-
463 Guides	Total	9	5.9	772	-	-	-	-	-
	Female %	59	772	100.0	-	-	-	-	-
464 Ushers	Total	565	565	73.2	-	-	-	-	-
	Female %	73.2	73.2	84	-	-	-	-	-
464 Ushers	Total	84	100.0	13	-	-	-	-	-
	Female %	15.5	15.5	16	-	-	-	-	-
464 Ushers	Total	100.0	100.0	13	-	-	-	-	-
	Female %	81.2	81.2	21	-	-	-	-	-
464 Ushers	Total	21	100.0	-	-	-	-	-	-
	Female %	-	-	-	-	-	-	-	-

Table 3A (continued)

Lawrence-Haverhill, MA-NH  
SMSA

Equal Employment Indicators  
Detailed Occupations by Sex and Race/Ethnicity (a)

U.S. Department of Labor  
Employment and Training Administration  
1980 Census, Run on 15 May 1983  
Lawrence Berkeley Laboratory

Data from Census Bureau sample estimates (b)

Detailed Occupations by 1980 Census Occupation Code (c)	Universe: Civilian Labor Force (e)							
	Total	White Not Hispanic	Total Minority (d)	Black Not Hispanic	Asian/PI Not Hispanic	Native American Not Hispanic	Remaining Races Not Hispanic	Hispanic All Races
Service Occupations, except Protective and Private Household (continued): 465 Public transportation attendants	Total	79	79	-	-	-	-	-
	Female	100.0	100.0	-	-	-	-	-
	%	56	56	-	-	-	-	-
	Total	70.9	70.9	-	-	-	-	-
	%	10	10	-	-	-	-	-
	Female	100.0	100.0	-	-	-	-	-
466 Baggage porters and bellhops	Total	-	-	-	-	-	-	-
	Female	-	-	-	-	-	-	-
	%	178	173	5	-	-	-	5
	Total	100.0	97.2	2.8	-	-	-	2.8
	Female	178	173	5	-	-	-	5
	%	100.0	97.2	2.8	-	-	-	2.8
467 Welfare service aides	Total	506	455	51	4	-	-	47
	Female	100.0	89.9	10.1	0.8	-	-	9.3
	%	471	420	51	4	-	-	47
	Total	93.1	83.0	10.1	0.8	-	-	9.3
	Female	305	305	-	-	-	-	-
	%	279	100.0	-	-	-	-	-
468 Child care workers, except private household	Total	91.5	91.5	-	-	-	-	-
	Female	-	-	-	-	-	-	-
	%	122	66	-	-	-	-	-
	Total	100.0	100.0	-	-	-	-	-
	Female	33	33	-	-	-	-	-
	%	27.0	27.0	-	-	-	-	-
469 Personal service occupations, n.e.c.	Total	15	15	-	-	-	-	-
	Female	100.0	100.0	-	-	-	-	-
	%	-	-	-	-	-	-	-
	Total	66	66	-	-	-	-	-
	Female	19	19	-	-	-	-	-
	%	28.8	28.8	-	-	-	-	-
Farming, Forestry, and Fishing Occupations: 473 Farmers, except horticultural	Total	28	28	-	-	-	-	-
	Female	100.0	100.0	-	-	-	-	-
	%	-	-	-	-	-	-	-
	Total	23	23	-	-	-	-	-
	Female	15	15	-	-	-	-	-
	%	65.2	65.2	-	-	-	-	-
474 Horticultural specialty farmers	Total	181	181	-	-	-	-	-
	Female	100.0	100.0	-	-	-	-	-
	%	36	36	-	-	-	-	-
	Total	19.9	19.9	-	-	-	-	-
	Female	-	-	-	-	-	-	-
	%	-	-	-	-	-	-	-
475 Managers: farms, except horticultural	Total	181	181	-	-	-	-	-
	Female	100.0	100.0	-	-	-	-	-
	%	36	36	-	-	-	-	-
	Total	19.9	19.9	-	-	-	-	-
	Female	-	-	-	-	-	-	-
	%	-	-	-	-	-	-	-
476 Managers: horticultural specialty farms	Total	181	181	-	-	-	-	-
	Female	100.0	100.0	-	-	-	-	-
	%	36	36	-	-	-	-	-
	Total	19.9	19.9	-	-	-	-	-
	Female	-	-	-	-	-	-	-
	%	-	-	-	-	-	-	-
477 Supervisors: farm workers	Total	181	181	-	-	-	-	-
	Female	100.0	100.0	-	-	-	-	-
	%	36	36	-	-	-	-	-
	Total	19.9	19.9	-	-	-	-	-
	Female	-	-	-	-	-	-	-
	%	-	-	-	-	-	-	-
479 Farm workers	Total	181	181	-	-	-	-	-
	Female	100.0	100.0	-	-	-	-	-
	%	36	36	-	-	-	-	-
	Total	19.9	19.9	-	-	-	-	-
	Female	-	-	-	-	-	-	-
	%	-	-	-	-	-	-	-

Equal Employment Indicators  
Detailed Occupations by Sex and Race/Ethnicity (a)

U.S. Department of Labor  
Employment and Training Administration  
1980 Census, Run on 15 May 1983  
Lawrence Berkeley Laboratory

Data from Census Bureau sample estimates (b)

Detailed Occupations by 1980 Census Occupation Code (c)		Universe: Civilian Labor Force (e)							
		Total	White Not Hispanic	Total Minority (d)	Black Not Hispanic	Asian/PI Not Hispanic	Native American Not Hispanic	Remaining Races Not Hispanic	Hispanic All Races
Farming, Forestry, and Fishing Occupations (continued): 483 Marine life cultivation workers	Total	-	-	-	-	-	-	-	-
	Female %	100.0	-	-	-	-	-	-	-
484 Nursery workers	Total	22	22	-	-	-	-	-	-
	Female %	100.0	100.0	-	-	-	-	-	-
485 Supervisors: related agricultural occupations	Total	13	13	-	-	-	-	-	-
	Female %	59.1	59.1	-	-	-	-	-	-
486 Groundskeepers and gardeners, except farm	Total	13	13	-	-	-	-	-	-
	Female %	100.0	100.0	-	-	-	-	-	-
487 Animal caretakers, except farm	Total	6	6	-	-	-	-	-	-
	Female %	46.2	46.2	-	-	-	-	-	-
488 Graders and sorters, agricultural products	Total	327	307	20	-	-	-	-	20
	Female %	100.0	93.9	6.1	-	-	-	-	6.1
489 Inspectors: agricultural products	Total	20	12	8	-	-	-	-	8
	Female %	6.1	3.7	2.4	-	-	-	-	2.4
494 Supervisors: forestry and logging workers	Total	105	105	-	-	-	-	-	-
	Female %	100.0	100.0	-	-	-	-	-	-
495 Forestry workers, except logging	Total	54	54	-	-	-	-	-	-
	Female %	51.4	51.4	-	-	-	-	-	-
496 Timber cutting and logging occupations	Total	6	6	-	-	-	-	-	-
	Female %	100.0	100.0	-	-	-	-	-	-
497 Captains and other officers, fishing vessels	Total	6	6	-	-	-	-	-	-
	Female %	100.0	100.0	-	-	-	-	-	-
499 Captains and other officers, fishing vessels	Total	-	-	-	-	-	-	-	-
	Female %	-	-	-	-	-	-	-	-
499 Captains and other officers, fishing vessels	Total	13	13	-	-	-	-	-	-
	Female %	100.0	100.0	-	-	-	-	-	-
499 Captains and other officers, fishing vessels	Total	35	35	-	-	-	-	-	-
	Female %	100.0	100.0	-	-	-	-	-	-
499 Captains and other officers, fishing vessels	Total	14	14	-	-	-	-	-	-
	Female %	40.0	40.0	-	-	-	-	-	-
499 Captains and other officers, fishing vessels	Total	100.0	-	-	-	-	-	-	-
	Female %	-	-	-	-	-	-	-	-

Table 3A (continued)

Lawrence - Haverhill, MA - NH  
SMMSA

Equal Employment Indicators  
Detailed Occupations by Sex and Race/Ethnicity (a)

Data from Census Bureau sample estimates (b)

Detailed Occupations by 1980 Census Occupation Code (c)	Universe: Civilian Labor Force (e)							
	Total	White Not Hispanic	Total Minority (d)	Black Not Hispanic	Asian/PI Not Hispanic	Native American Not Hispanic	Remaining Races Not Hispanic	Hispanic All Races
Farming, Forestry, and Fishing Occupations (continued): 498 Fishers	Total	21	21	-	-	-	-	-
	Female %	100.0	100.0	-	-	-	-	-
499 Hunters and trappers	Total	33.3	33.3	-	-	-	-	-
	Female %	100.0	100.0	-	-	-	-	-
Precision Production, Craft, and Repair Occupations:	Total	193	193	-	-	-	-	-
	Female %	100.0	100.0	-	-	-	-	-
503 Supervisors: mechanics and repairers	Total	1,315	1,289	26	13	-	-	7
	Female %	100.0	98.0	2.0	1.0	-	-	0.5
505 Automobile mechanics, except apprentices	Total	22	22	-	-	-	-	-
	Female %	100.0	100.0	-	-	-	-	-
506 Automobile mechanic apprentices	Total	4	4	-	-	-	-	-
	Female %	100.0	100.0	-	-	-	-	-
507 Bus, truck, and stationary engine mechanics	Total	67	67	-	-	-	-	-
	Female %	100.0	100.0	-	-	-	-	-
508 Aircraft engine mechanics	Total	75	75	-	-	-	-	-
	Female %	100.0	100.0	-	-	-	-	-
509 Small engine repairers	Total	9.3	24	-	-	-	-	-
	Female %	100.0	100.0	-	-	-	-	-
5 14 Automobile body and related repairers	Total	357	348	9	-	-	-	9
	Female %	100.0	97.5	2.5	-	-	-	2.5
5 15 Aircraft mechanics, except engine	Total	25	25	-	-	-	-	-
	Female %	100.0	100.0	-	-	-	-	-

Data from Census Bureau sample estimates (b)

Detailed Occupations by 1980 Census Occupation Code (c)	Universe: Civilian Labor Force (e)									
	Total	White Not Hispanic	Total Minority (d)	Black Not Hispanic	Asian/PI Not Hispanic	Native American Not Hispanic	Remaining Races Not Hispanic	Hispanic All Races		
Precision Production, Craft, and Repair Occupations (continued):										
516 Heavy equipment mechanics	Total 96 100.0	96 100.0	-	-	-	-	-	-	-	-
	Female %	-	-	-	-	-	-	-	-	-
517 Farm equipment mechanics	Total 20 100.0	20 100.0	-	-	-	-	-	-	-	-
	Female %	-	-	-	-	-	-	-	-	-
518 Industrial machinery repairers	Total 784 100.0	759 96.8	25 3.2	7 0.9	-	-	-	18 2.3	-	-
	Female %	16 2.0	16 2.0	-	-	-	-	-	-	-
519 Machinery maintenance occupations	Total 6 100.0	6 100.0	-	-	-	-	-	-	-	-
	Female %	-	-	-	-	-	-	-	-	-
523 Electronic repairers, communications and industrial equipment	Total 231 100.0	231 100.0	-	-	-	-	-	-	-	-
	Female %	53 22.9	53 22.9	-	-	-	-	-	-	-
525 Data processing equipment repairers	Total 151 100.0	151 100.0	-	-	-	-	-	-	-	-
	Female %	40 26.5	40 26.5	-	-	-	-	-	-	-
526 Household appliance and power tool repairers	Total 77 100.0	77 100.0	-	-	-	-	-	-	-	-
	Female %	-	-	-	-	-	-	-	-	-
527 Telephone line installers and repairers	Total 56 100.0	56 100.0	-	-	-	-	-	-	-	-
	Female %	-	-	-	-	-	-	-	-	-
529 Telephone installers and repairers	Total 392 100.0	385 98.2	7 1.8	7 1.8	-	-	-	-	-	-
	Female %	57 14.5	57 14.5	-	-	-	-	-	-	-
533 Miscellaneous electrical and electronic equipment repairers	Total 19 100.0	19 100.0	-	-	-	-	-	-	-	-
	Female %	8 42.1	8 42.1	-	-	-	-	-	-	-
534 Heating, air conditioning, and refrigeration mechanics	Total 225 100.0	225 100.0	-	-	-	-	-	-	-	-
	Female %	6 2.7	6 2.7	-	-	-	-	-	-	-

Table 3A (continued)

Equal Employment Indicators  
Detailed Occupations by Sex and Race/Ethnicity (a)

Lawrence - Haverhill, MA - NH  
SMSA

U.S. Department of Labor  
Employment and Training Administration  
1980 Census, Run on 15 May 1983  
Lawrence Berkeley Laboratory

Data from Census Bureau sample estimates (b)

Detailed Occupations by 1980 Census Occupation Code (c)	Universe: Civilian Labor Force (e)							
	Total	White Not Hispanic	Total Minority (d)	Black Not Hispanic	Asian/PI Not Hispanic	Native American Not Hispanic	Remaining Races Not Hispanic	Hispanic All Races
Precision Production, Craft, and Repair Occupations (continued): 535 Camera, watch, and musical instrument repairers	Total 85 100.0 Female %	85 100.0	-	-	-	-	-	-
536 Locksmiths and safe repairers	Total 19 100.0 Female %	19 100.0	-	-	-	-	-	-
538 Office machine repairers	Total 39 100.0 Female %	39 100.0	-	-	-	-	-	-
539 Mechanical controls and valve repairers	Total 49 100.0 Female %	49 100.0	-	-	-	-	-	-
543 Elevator installers and repairers	Total 13 100.0 Female %	13 100.0	-	-	-	-	-	-
544 Millwrights	Total 189 100.0 Female %	181 95.8	8 4.2	-	-	-	-	8 4.2
547 Specified mechanics and repairers, n.e.c.	Total 349 100.0 Female %	343 98.3	6 1.7	6 1.7	-	-	-	-
549 Not specified mechanics and repairers	Total 243 100.0 Female %	216 88.9	27 11.1	-	-	-	-	27 11.1
Construction trades: 553 Supervisors: brickmasons, stonemasons, and tile setters	Total 57 100.0 Female %	57 100.0	-	-	-	-	-	-
554 Supervisors: carpenters and related workers	Total 27 100.0 Female %	27 100.0	-	-	-	-	-	-
555 Supervisors: electricians and power transmission installers	Total 27 100.0 Female %	27 100.0	-	-	-	-	-	-

Data from Census Bureau sample estimates (b)

Detailed Occupations by 1980 Census Occupation Code (c)	Universe: Civilian Labor Force (e)							
	Total	White Not Hispanic	Total Minority (d)	Black Not Hispanic	Asian/PI Not Hispanic	Native American Not Hispanic	Remaining Races Not Hispanic	Hispanic All Races
Precision Production, Craft, and Repair Occupations (continued):								
556 Supervisors: painters, paperhangers, and plasterers	Total 9 100.0	9 100.0	-	-	-	-	-	-
	Female %	-	-	-	-	-	-	-
557 Supervisors: plumbers, pipefitters, and steamfitters	Total 17 100.0	17 100.0	-	-	-	-	-	-
	Female %	-	-	-	-	-	-	-
558 Supervisors: n.e.c.	Total 729 100.0	719 98.6	10 1.4	-	-	6 0.8	-	4 0.5
	Female %	-	-	-	-	-	-	-
563 Brickmasons and stonemasons, excluding apprentices	Total 183 100.0	183 100.0	-	-	-	-	-	-
	Female %	-	-	-	-	-	-	-
564 Brickmason and stonemason apprentices	Total 12 100.0	12 100.0	-	-	-	-	-	-
	Female %	-	-	-	-	-	-	-
565 Tile setters, hard and soft	Total 20 100.0	20 100.0	-	-	-	-	-	-
	Female %	-	-	-	-	-	-	-
566 Carpet installers	Total 8 40.0	8 40.0	-	-	-	-	-	-
	Female %	-	-	-	-	-	-	-
567 Carpenters, exc. apprentices	Total 75 100.0	75 100.0	-	-	-	-	-	-
	Female %	-	-	-	-	-	-	-
569 Carpenter apprentices	Total 1,557 100.0	1,523 97.8	34 2.2	-	-	6 0.4	-	28 1.8
	Female %	18 1.2	-	-	-	-	-	-
573 Drywall installers	Total 9 100.0	9 100.0	-	-	-	-	-	-
	Female %	4 44.4	-	-	-	-	-	-
575 Electricians, exc. apprentices	Total 80 100.0	80 100.0	-	-	-	-	-	-
	Female %	8 10.0	-	-	-	-	-	-
	Total 664 100.0	657 98.9	7 1.1	7 1.1	-	-	-	-
	Female %	-	-	-	-	-	-	-



Table 3A (continued)

Equal Employment Indicators  
Detailed Occupations by Sex and Race/Ethnicity (a)

Lawrence-Haverhill, MA-NH  
SMSA

U.S. Department of Labor  
Employment and Training Administration  
1980 Census, Run on 15 May 1983  
Lawrence Berkeley Laboratory

Data from Census Bureau sample estimates: (b)

Detailed Occupations by 1980 Census Occupation Code (c)	Universe: Civilian Labor Force (e)							
	Total	White Not Hispanic	Total Minority (d)	Black Not Hispanic	Asian/PI Not Hispanic	Native American Not Hispanic	Remaining Races Not Hispanic	Hispanic All Races
Precision Production, Craft, and Repair Occupations (continued): 576 Electrician apprentices	Total 47 100.0 Female %	42 89.4 -	5 10.6 -	5 10.6 -	-	-	-	-
577 Electrical power installers and repairers	Total 112 100.0 Female %	99 88.4 -	13 11.6 -	13 11.6 -	-	-	-	-
579 Painters, construction and maintenance	Total 519 100.0 Female %	388 74.8 14 2.7 18 100.0	131 25.2 7 1.3 -	5 1.0 -	-	-	-	126 24.3 7 1.3
583 Paperhangers	Total 18 100.0 Female %	18 100.0 -	-	-	-	-	-	-
584 Plasterers	Total 31 100.0 Female %	31 100.0 -	-	-	-	-	-	-
585 Plumbers, pipefitters, and steamfitters, exc. apprentices	Total 588 100.0 Female %	577 98.1 -	11 1.9 -	6 1.0 -	-	-	-	5 0.9
587 Plumber, pipefitter, and steamfitter apprentices	Total 13 100.0 Female %	13 100.0 -	-	-	-	-	-	-
588 Concrete and terrazzo finishers	Total 5 100.0 Female %	5 100.0 -	-	-	-	-	-	-
589 Glaziers	Total 21 100.0 Female %	21 100.0 -	-	-	-	-	-	-
593 Insulation workers	Total 19 100.0 Female %	19 100.0 -	-	-	-	-	-	-
594 Paving, surfacing, and tamping equipment operators	Total 100.0 Female %	-	-	-	-	-	-	-

Data from Census Bureau sample estimates (b)

Detailed Occupations by 1980 Census Occupation Code (c)	Universe: Civilian Labor Force (e)									
	Total	White Not Hispanic	Total Minority (d)	Black Not Hispanic	Asian/PI Not Hispanic	Native American Not Hispanic	Remaining Races Not Hispanic	Hispanic All Races		
Precision Production, Craft, and Repair Occupations (continued):										
595 Roofers	Total 138 100.0	138 100.0	-	-	-	-	-	-	-	-
	Female %	-	-	-	-	-	-	-	-	-
596 Sheetmetal duct installers	Total 15 100.0	15 100.0	-	-	-	-	-	-	-	-
	Female %	-	-	-	-	-	-	-	-	-
597 Structural metal workers	Total 125 100.0	110 88.0	15 12.0	-	-	-	-	15 12.0	-	-
	Female %	-	-	-	-	-	-	-	-	-
598 Drillers, earth	Total 40 100.0	40 100.0	-	-	-	-	-	-	-	-
	Female %	12 30.0	12 30.0	-	-	-	-	-	-	-
599 Construction trades, n.e.c.	Total 174 100.0	174 100.0	-	-	-	-	-	-	-	-
	Female %	-	-	-	-	-	-	-	-	-
613 Supervisors: extractive occupations	Total 11 100.0	11 100.0	-	-	-	-	-	-	-	-
	Female %	-	-	-	-	-	-	-	-	-
614 Drillers, oil well	Total -	-	-	-	-	-	-	-	-	-
	Female %	-	-	-	-	-	-	-	-	-
615 Explosives workers	Total 6 100.0	6 100.0	-	-	-	-	-	-	-	-
	Female %	-	-	-	-	-	-	-	-	-
616 Mining machine operators	Total 7 100.0	7 100.0	-	-	-	-	-	-	-	-
	Female %	-	-	-	-	-	-	-	-	-
617 Mining occupations, n.e.c.	Total -	-	-	-	-	-	-	-	-	-
	Female %	-	-	-	-	-	-	-	-	-
Precision Production Occupations:										
633 Supervisors: production occupations	Total 3,308 100.0	3,142 95.0	166 5.0	29 0.9	18 0.5	18 0.5	18 0.5	101 3.1	18 0.5	101 3.1
	Female %	393 11.9	374 11.3	19 0.6	6 0.2	6 0.2	6 0.2	13 0.4	6 0.2	13 0.4

Table 3A (continued)

U.S. Department of Labor  
Employment and Training Administration  
1980 Census, Run on 15 May 1983  
Lawrence Berkeley Laboratory

Equal Employment Indicators  
Detailed Occupations by Sex and Race/Ethnicity (a)

Lawrence-Haverhill, MA-NH  
SMSA

Data from Census Bureau sample estimates (b)

Detailed Occupations by 1980 Census Occupation Code (c)	Universe: Civilian Labor Force (e)							
	Total	White Not Hispanic	Total Minority (d)	Black Not Hispanic	Asian/PI Not Hispanic	Native American Not Hispanic	Remaining Races Not Hispanic	Hispanic All Races
Precision Production, Craft, and Repair Occupations (continued): 634 Tool and die makers, exc. apprentices	Total 259 100.0 Female %	259 100.0	-	-	-	-	-	-
635 Tool and die maker apprentices	Total 17 100.0 Female %	17 100.0	-	-	-	-	-	-
636 Precision assemblers, metal	Total 16 100.0 Female %	16 100.0	-	-	-	-	-	-
637 Machinists, except apprentices	Total 1,134 100.0 Female %	1,134 93.4	80 6.6	23 1.9	-	-	-	57 4.7
639 Machinist apprentices	Total 5 100.0 Female %	5 100.0	1.9 3.9	23 1.9	-	-	-	23 1.9
643 Boilermakers	Total 31 100.0 Female %	31 100.0	-	-	-	-	-	-
644 Precision grinders, fitters, and tool sharpeners	Total 16 100.0 Female %	16 37.5	10 62.5	-	-	-	-	10 62.5
645 Patternmakers and model makers, metal	Total 37 100.0 Female %	37 100.0	-	-	-	-	-	-
646 Lay-out workers	Total 123 100.0 Female %	118 95.9	5 4.1	-	-	-	-	-
647 Precious stones and metals workers (Jewelers)	Total 178 100.0 Female %	172 96.6	6 3.4	-	-	-	-	6 3.4
649 Engravers, metal	Total 13 100.0 Female %	7 53.8	6 46.2	6 46.2	-	-	-	6 46.2

Table 3A (continued)

Lawrence-Haverhill, MA-NH  
SMSA

Equal Employment Indicators  
Detailed Occupations by Sex and Race/Ethnicity (a)

Data from Census Bureau sample estimates (b)

Detailed Occupations by 1980 Census Occupation Code (c)	Universe: Civilian Labor Force (e)									
	Total	White Not Hispanic	Total Minority (d)	Black Not Hispanic	Asian/PI Not Hispanic	Native American Not Hispanic	Remaining Races Not Hispanic	Hispanic All Races		
Precision Production, Craft, and Repair Occupations (continued): 653 Sheet metal workers	Total 237 100.0 Female 13 5.5 Total 100.0 Female 6 100.0	227 95.8 13 5.5	10 4.2	-	-	-	-	10 4.2		
654 Sheet metal worker apprentices	Total 6 100.0 Female 6 100.0	6 100.0	-	-	-	-	-	-		
655 Miscellaneous precision metal workers	Total 17 100.0 Female 7 41.2	17 100.0	10 58.8	-	-	-	-	7 41.2		
656 Patternmakers and model makers, wood	Total 74 100.0 Female 33 44.7	74 100.0	41 55.4	-	-	-	-	33 44.7		
657 Cabinet makers and bench carpenters	Total 18 100.0 Female 10 55.6	18 100.0	10 55.6	-	-	-	-	8 44.4		
658 Furniture and wood finishers	Total 6 100.0 Female 3 50.0	6 100.0	3 50.0	-	-	-	-	3 50.0		
659 Miscellaneous precision woodworkers	Total 78 100.0 Female 38 48.7	78 100.0	38 48.7	-	-	-	-	40 51.3		
666 Dressmakers	Total 129 100.0 Female 44 34.1	129 100.0	44 34.1	-	-	-	-	85 65.9		
667 Tailors	Total 126 100.0 Female 13 10.3	126 100.0	13 10.3	-	-	-	-	113 89.7		
668 Upholsterers	Total 271 100.0 Female 90 33.2	271 100.0	90 33.2	-	-	-	-	181 66.8		
669 Shoe repairers	Total 81 100.0 Female 29.9 37.0	81 100.0	29.9 37.0	-	-	-	-	51.1 63.0		

Table 3A (continued)

Lawrence-Haverhill, MA-NH  
SMSA

U.S. Department of Labor  
Employment and Training Administration  
1980 Census, Run on 15 May 1983  
Lawrence Berkeley Laboratory

Data from Census Bureau sample estimates (b)

Detailed Occupations by 1980 Census Occupation Code (c)	Universe: Civilian Labor Force (e)							
	Total	White Not Hispanic	Total Minority (d)	Black Not Hispanic	Asian/PI Not Hispanic	Native American Not Hispanic	Remaining Races Not Hispanic	Hispanic All Races
Precision Production, Craft, and Repair Occupations (continued):								
673 Apparel and fabric patternmakers	Total 7 100.0	7 100.0	-	-	-	-	-	-
674 Miscellaneous precision apparel and fabric workers	Total 7 100.0	7 100.0	-	-	-	-	-	-
675 Hand molders and shapers, except jewelers	Total 52 100.0	52 100.0	-	-	-	-	-	-
676 Patternmakers, lay-out workers, and cutters	Total 11 100.0	11 100.0	-	-	-	-	-	-
677 Optical goods workers	Total 46 100.0	46 100.0	-	-	-	-	-	-
678 Dental laboratory and medical appliance technicians	Total 54 100.0	54 100.0	-	-	-	-	-	-
679 Bookbinders	Total 23 100.0	23 100.0	-	-	-	-	-	-
683 Electrical and electronic equipment assemblers	Total 643 100.0	61 9.5	61 9.5	11 1.7	10 1.6	5 0.8	5 0.8	35 5.4
684 Miscellaneous precision workers, n.e.c.	Total 35 100.0	35 100.0	6.4	0.8	0.8	0.8	0.8	4.0
686 Butchers and meat cutters	Total 288 100.0	278 96.5	10 3.5	-	-	-	-	-
687 Bakers	Total 199 100.0	199 100.0	-	-	-	-	-	-
	Total 56 28.1	56 28.1	-	-	-	-	-	-

Table 3A (continued)

Lawrence-Haverhill, MA-NH  
SMSAEqual Employment Indicators  
Detailed Occupations by Sex and Race/Ethnicity (a)

Data from Census Bureau sample estimates (b)

Detailed Occupations by 1980 Census Occupation Code (c)	Universe: Civilian Labor Force (e)							
	Total	White Not Hispanic	Total Minority (d)	Black Not Hispanic	Asian/PI Not Hispanic	Native American Not Hispanic	Remaining Races Not Hispanic	Hispanic All Races
Precision Production, Craft, and Repair Occupations (continued): 688 Food batchmakers	Total % 21 100.0	16 76.2	5 23.8	-	-	-	-	5 23.8
	Female % 10 47.6	10 47.6	-	-	-	-	-	-
689 Inspectors, testers, and graders	Total % 902 100.0	855 94.8	47 5.2	11 1.2	12 1.3	-	-	24 2.7
	Female % 450 49.9	416 46.1	34 3.8	5 0.6	5 0.6	-	-	24 2.7
693 Adjusters and calibrators	Total % 14 100.0	14 100.0	-	-	-	-	-	-
	Female % 6 42.9	6 42.9	-	-	-	-	-	-
694 Water and sewage treatment plant operators	Total % 32 100.0	32 100.0	-	-	-	-	-	-
	Female % -	-	-	-	-	-	-	-
695 Power plant operators	Total % -	-	-	-	-	-	-	-
	Female % -	-	-	-	-	-	-	-
696 Stationary engineers	Total % 184 100.0	178 96.7	6 3.3	-	-	-	-	6 3.3
	Female % 6 3.3	6 3.3	-	-	-	-	-	-
699 Miscellaneous plant and system operators	Total % 16 100.0	16 100.0	-	-	-	-	-	-
	Female % -	-	-	-	-	-	-	-
Machine Operators, Assemblers, and Inspectors: 703 Lathe and turning machine set-up operators	Total % 96 100.0	96 100.0	-	-	-	-	-	-
	Female % -	-	-	-	-	-	-	-
704 Lathe and turning machine operators	Total % 162 100.0	162 100.0	-	-	-	-	-	-
	Female % 35 21.6	35 21.6	-	-	-	-	-	-
705 Milling and planing machine operators	Total % 16 100.0	16 100.0	-	-	-	-	-	-
	Female % -	-	-	-	-	-	-	-
706 Punching and stamping press machine operators	Total % 159 100.0	159 100.0	-	-	-	-	-	-
	Female % 41 25.8	41 25.8	-	-	-	-	-	-

Table 3A (continued)

Lawrence-Haverhill, MA-NH  
SMSAEqual Employment Indicators  
Detailed Occupations by Sex and Race/Ethnicity (a)

Data from Census Bureau sample estimates (b)

Detailed Occupations by 1980 Census Occupation Code (c)	Universe: Civilian Labor Force (e)							
	Total	White Not Hispanic	Total Minority (d)	Black Not Hispanic	Asian/PI Not Hispanic	Native American Not Hispanic	Remaining Races Not Hispanic	Hispanic All Races
Machine Operators, Assemblers, and Inspectors (continued): 707 Rolling machine operators	Total	13	13	-	-	-	-	-
	Female %	100.0	100.0	-	-	-	-	-
708 Drilling and boring machine operators	Total	53.8	53.8	-	-	-	-	-
	Female %	56	50	6	-	-	-	-
709 Grinding, abrading, buffing, and polishing machine operators	Total	100.0	89.3	10.7	-	-	-	-
	Female %	7	7	-	-	-	-	-
713 Forging machine operators	Total	12.5	12.5	-	-	-	-	-
	Female %	316	310	6	-	-	-	6
714 Numerical control machine operators	Total	100.0	98.1	1.9	-	-	-	1.9
	Female %	29.1	92	29.1	-	-	-	-
715 Miscellaneous metal, plastic, stone, and glass working machine operators	Total	5	5	-	-	-	-	-
	Female %	100.0	100.0	-	-	-	-	-
717 Fabricating machine operators, n.e.c.	Total	-	-	-	-	-	-	-
	Female %	-	-	-	-	-	-	-
719 Molding and casting machine operators	Total	36	36	-	-	-	-	-
	Female %	100.0	100.0	-	-	-	-	-
723 Metal plating machine operators	Total	14	14	-	-	-	-	-
	Female %	38.9	38.9	-	-	-	-	-
724 Heat treating equipment operators	Total	65	65	-	-	-	-	-
	Female %	100.0	100.0	-	-	-	-	-
725 Miscellaneous metal and plastic processing machine operators	Total	36	36	-	-	-	-	-
	Female %	55.4	55.4	-	-	-	-	-
719 Molding and casting machine operators	Total	134	102	32	-	-	-	32
	Female %	50	44	23.9	-	-	-	23.9
723 Metal plating machine operators	Total	37.3	32.8	4.5	-	-	-	4.5
	Female %	252	234	18	-	-	-	11
724 Heat treating equipment operators	Total	100.0	92.9	7.1	-	-	-	4.4
	Female %	62	62	-	-	-	-	-
725 Miscellaneous metal and plastic processing machine operators	Total	24.6	24.6	-	-	-	-	-
	Female %	9	9	-	-	-	-	-
719 Molding and casting machine operators	Total	100.0	100.0	-	-	-	-	-
	Female %	-	-	-	-	-	-	-
723 Metal plating machine operators	Total	17	17	-	-	-	-	-
	Female %	100.0	100.0	-	-	-	-	-
725 Miscellaneous metal and plastic processing machine operators	Total	5	5	-	-	-	-	-
	Female %	29.4	29.4	-	-	-	-	-

Data from Census Bureau sample estimates (b)

Detailed Occupations by 1980 Census Occupation Code (c)	Universe: Civilian Labor Force (e)							
	Total	White Not Hispanic	Total Minority (d)	Black Not Hispanic	Asian/PI Not Hispanic	Native American Not Hispanic	Remaining Races Not Hispanic	Hispanic All Races
Machine Operators, Assemblers, and Inspectors (continued):								
726 Wood lathe, routing, and planing machine operators	Total %	-	-	-	-	-	-	-
	Female %	-	-	-	-	-	-	-
	<b>Total</b> %	<b>44</b>	<b>35</b>	<b>9</b>	-	-	-	<b>9</b>
	Female %	100.0	79.5	20.5	-	-	-	20.5
727 Sawing machine operators	Total %	6	6	-	-	-	-	-
	Female %	13.6	13.6	-	-	-	-	-
728 Shaping and joining machine operators	Total %	14	14	-	-	-	-	-
	Female %	100.0	100.0	-	-	-	-	-
729 Nailing and tacking machine operators	Total %	6	6	-	-	-	-	-
	Female %	42.9	42.9	-	-	-	-	-
733 Miscellaneous woodworking machine operators	Total %	6	6	-	-	-	-	-
	Female %	100.0	100.0	-	-	-	-	-
734 Printing machine operators	Total %	49	49	-	-	-	-	-
	Female %	100.0	100.0	-	-	-	-	-
735 Photoengravers and lithographers	Total %	-	-	-	-	-	-	-
	Female %	-	-	-	-	-	-	-
736 Typesetters and compositors	Total %	391	381	10	-	-	-	10
	Female %	100.0	97.4	2.6	-	-	-	2.6
737 Miscellaneous printing machine operators	Total %	35	35	-	-	-	-	-
	Female %	9.0	9.0	-	-	-	-	-
738 Winding and twisting machine operators	Total %	6	6	-	-	-	-	-
	Female %	100.0	100.0	-	-	-	-	-
739 Knitting, looping, taping, and weaving machine operators	Total %	60	60	-	-	-	-	-
	Female %	100.0	100.0	-	-	-	-	-
	Total %	25	25	-	-	-	-	-
	Female %	41.7	41.7	-	-	-	-	-
	<b>Total</b> %	<b>33</b>	<b>23</b>	<b>10</b>	-	-	-	<b>10</b>
	Female %	100.0	69.7	30.3	-	-	-	30.3
	Total %	10	10	-	-	-	-	-
	Female %	30.3	30.3	-	-	-	-	-
	<b>Total</b> %	<b>52</b>	<b>52</b>	-	-	-	-	-
	Female %	42	42	-	-	-	-	-
	Total %	80.8	80.8	-	-	-	-	-
	Female %	52	52	-	-	-	-	-
	Total %	100.0	100.0	-	-	-	-	-
	Female %	20	20	-	-	-	-	-
	Female %	38.5	38.5	-	-	-	-	-



Table 3A (continued)

U.S. Department of Labor  
Employment and Training Administration  
1980 Census, Run on 15 May 1983  
Lawrence Berkeley Laboratory

Lawrence-Haverhill, MA-NH  
SMSA

Data from Census Bureau sample estimates (b)

Detailed Occupations by 1980 Census Occupation Code (c)	Universe: Civilian Labor Force (e)							
	Total	White Not Hispanic	Total Minority (d)	Black Not Hispanic	Asian/Pi Not Hispanic	Native American Not Hispanic	Remaining Races Not Hispanic	Hispanic All Races
Machine Operators, Assemblers, and Inspectors (continued):								
743 Textile cutting machine operators	Total 11 100.0	6 54.5	5 45.5	-	-	-	-	5 45.5
	Female 6	6	-	-	-	-	-	-
744 Textile sewing machine operators	Total 1,020 100.0	817 80.1	203 19.9	18 1.8	32 3.1	-	-	153 15.0
	Female 938	771	167	18	32	-	-	117
745 Shoe machine operators	Total 92.0 100.0	75.6 943	16.4 307	1.8 7	3.1 -	-	-	11.5 300
	Female 1,250	75.4	24.6	0.6	-	-	-	24.0
747 Pressing machine operators	Total 911 100.0	749 82.4	162 17.6	162 17.6	-	-	-	162
	Female 72.9	59.9	13.0	-	-	-	-	13.0
748 Laundering and dry cleaning machine operators	Total 269 100.0	224 83.3	45 16.7	45 16.7	-	-	-	45
	Female 119	113	6	-	-	-	-	6
749 Miscellaneous textile machine operators	Total 44.2 100.0	42.0 93.8	2.2 4.9	2.2 4.9	-	-	-	2.2
	Female 227	213	14	-	-	-	-	14
753 Cementing and gluing machine operators	Total 118 100.0	104 88.2	14 11.8	14 11.8	-	-	-	14
	Female 52.0	45.8	6.2	-	-	-	-	6.2
754 Packaging and filling machine operators	Total 610 100.0	437 71.6	173 28.4	21 3.4	8 1.3	-	-	144 23.6
	Female 122	122	-	-	-	-	-	-
755 Extruding and forming machine operators	Total 84 100.0	75 89.3	9 10.7	9 10.7	-	-	-	9 10.7
	Female 42	33	9	-	-	-	-	9
756 Mixing and blending machine operators	Total 50.0 100.0	39.3 77.6	10.7 21.4	10.7 21.4	-	-	-	10.7 21.4
	Female 107	83	24	-	-	-	-	24
757 Separating, filtering, and clarifying machine operators	Total 64 100.0	56 87.5	8 12.5	8 12.5	-	-	-	8 12.5
	Female 59.8	52.3	7.5	-	-	-	-	7.5
758 Extruding and forming machine operators	Total 69 100.0	69 100.0	-	-	-	-	-	-
	Female -	-	-	-	-	-	-	-
759 Mixing and blending machine operators	Total 302 100.0	280 92.7	22 7.3	6 2.0	6 2.0	-	-	16 5.3
	Female 55	47	8	-	-	-	-	8
757 Separating, filtering, and clarifying machine operators	Total 18.2 100.0	15.6 84	2.6 14.3	2.6 14.3	9 49.4	9 49.4	-	2.6 14.3
	Female 84	60	24	-	10.7	-	-	15 17.9
	Female -	71.4	28.6	-	-	-	-	-

Table 3A (continued)

Lawrence-Havethill, MA-MH  
SMSA

Equal Employment Indicators  
Detailed Occupations by Sex and Race/Ethnicity (a)

U.S. Department of Labor  
Employment and Training Administration  
1980 Census, Run on 15 May 1983  
Lawrence Berkeley Laboratory

Data from Census Bureau sample estimates (b)

Detailed Occupations by 1980 Census Occupation Code (c)	Universe: Civilian Labor Force (e)							
	Total	White Not Hispanic	Total Minority (d)	Black Not Hispanic	Asian/Pi Not Hispanic	Native American Not Hispanic	Remaining Races Not Hispanic	Hispanic All Races
Machine Operators, Assemblers, and Inspectors (continued): 758 Compressing and compacting machine operators	Total % 57 100.0 Female 28 49.1 Total 231 100.0 Female 79 34.2	57 100.0 28 49.1 231 100.0 79 34.2	- - - - - - - -	- - - - - - - -	- - - - - - - -	- - - - - - - -	- - - - - - - -	- - - - - - - -
763 Roasting and baking machine operators, food	Total % 100.0 Female -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -
764 Washing, cleaning, and pickling machine operators	Total % 100.0 Female -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -
765 Folding machine operators	Total % 21 100.0 Female 14 66.7	14 66.7	7 33.3	7 33.3	- -	- -	- -	7 33.3
766 Furnace, kiln, and oven operators, except food	Total % 112 100.0 Female 12 10.7	97 86.6	15 13.4	15 13.4	- -	- -	- -	15 13.4
768 Crushing and grinding machine operators	Total % 48 100.0 Female -	48 100.0	4.5 9.4	4.5 9.4	- -	- -	- -	4.5 9.4
769 Slicing and cutting machine operators	Total % 465 100.0 Female 173 37.2	439 94.4	26 5.6	26 5.6	- -	- -	- -	26 5.6
773 Motion picture projectionists	Total % 18 100.0 Female -	18 100.0	3.7 20.6	3.7 20.6	- -	- -	- -	3.7 20.6
774 Photographic process machine operators	Total % 133 100.0 Female 65 48.9	124 93.2	9 6.8	9 6.8	- -	- -	- -	9 6.8

Table 3A (continued)

U.S. Department of Labor  
Employment and Training Administration  
1980 Census, Run on 15 May 1983  
Lawrence Berkeley Laboratory

Equal Employment Indicators  
Detailed Occupations by Sex and Race/Ethnicity (a)

Lawrence-Haverhill, MA-NH  
SMSA

Data from Census Bureau sample estimates (b)

Detailed Occupations by 1980 Census Occupation Code (c)	Universe: Civilian Labor Force (e)							
	Total	White Not Hispanic	Total Minority (d)	Black Not Hispanic	Asian/PI Not Hispanic	Native American Not Hispanic	Remaining Races Not Hispanic	Hispanic All Races
Machine Operators, Assemblers, and Inspectors (continued):	Total	1,123	77	11	-	5	-	61
	Female %	93.6	6.4	0.9	-	0.4	-	5.1
Miscellaneous and not specified machine operators by occupation: 777 Miscellaneous machine operators, n.e.c.	Total	549	46	11	-	-	-	35
	Female %	49.6	3.8	0.9	-	-	-	2.9
779 Machine operators, not specified	Total	2,616	514	62	45	-	8	399
	Female %	83.6	16.4	2.0	1.4	-	0.3	12.7
Miscellaneous and not specified machine operators, by industry (g):	Total	1,079	154	19	22	-	-	113
	Female %	34.5	4.9	0.6	0.7	-	-	3.6
Manufacturing	Total	1,139	253	22	-	-	-	231
	Female %	81.8	18.2	1.6	-	-	-	16.6
Nondurable goods	Total	352	41	-	-	-	-	41
	Female %	28.2	2.9	-	-	-	-	2.9
Durable goods	Total	2,414	304	44	45	5	-	210
	Female %	88.8	11.2	1.6	1.7	0.2	-	7.7
Nonmanufacturing industries	Total	1,195	159	30	22	-	-	107
	Female %	49.8	5.8	1.1	0.8	-	-	3.9
783 Welders and cutters	Total	186	34	7	-	-	8	19
	Female %	84.5	15.5	3.2	-	-	3.6	8.6
784 Solderers and brazers	Total	81	-	-	-	-	-	-
	Female %	36.8	-	-	-	-	-	-
785 Assemblers	Total	598	38	5	-	-	-	33
	Female %	94.0	6.0	0.8	-	-	-	5.2
786 Hand cutting and trimming occupations	Total	76	7	-	-	-	-	7
	Female %	11.9	1.1	-	-	-	-	1.1
787 Hand molding, casting, and forming occupations	Total	461	77	12	6	5	-	54
	Female %	100.0	16.7	2.6	1.3	1.1	-	11.7
788 Miscellaneous machine operators, n.e.c.	Total	419	77	12	6	5	-	54
	Female %	90.9	16.7	2.6	1.3	1.1	-	11.7
789 Miscellaneous machine operators, n.e.c.	Total	4,720	371	80	38	12	-	241
	Female %	92.1	7.9	1.7	0.8	0.3	-	5.1
790 Miscellaneous machine operators, n.e.c.	Total	2,908	180	41	38	6	-	95
	Female %	61.6	3.8	0.9	0.8	0.1	-	2.0
791 Miscellaneous machine operators, n.e.c.	Total	5	-	-	-	-	-	-
	Female %	100.0	-	-	-	-	-	-
792 Miscellaneous machine operators, n.e.c.	Total	5	-	-	-	-	-	-
	Female %	100.0	-	-	-	-	-	-
793 Miscellaneous machine operators, n.e.c.	Total	15	-	-	-	-	-	-
	Female %	100.0	-	-	-	-	-	-
794 Miscellaneous machine operators, n.e.c.	Total	6	-	-	-	-	-	-
	Female %	40.0	-	-	-	-	-	-

Table 3A (continued)

Lawrence-Haverhill, MA-NH  
SMSA

Equal Employment Indicators  
Detailed Occupations by Sex and Race/Ethnicity (a)

U.S. Department of Labor  
Employment and Training Administration  
1980 Census, Run on 15 May 1983  
Lawrence Berkeley Laboratory

Data from Census Bureau sample estimates (b)

Detailed Occupations by 1980 Census Occupation Code (c)	Universe: Civilian Labor Force (e)							
	Total	White Not Hispanic	Total Minority (d)	Black Not Hispanic	Asian/PI Not Hispanic	Native American Not Hispanic	Remaining Races Not Hispanic	Hispanic All Races
Machine Operators, Assemblers, and Inspectors (continued): 789 Hand painting, coating, and decorating occupations	Total	61	40	21	-	-	-	21
	Female	100.0	65.6	34.4	-	-	-	34.4
793 Hand engraving and printing occupations	Total	39.3	24	-	-	-	-	-
	Female	100.0	39.3	-	-	-	-	-
794 Hand grinding and polishing occupations	Total	-	-	-	-	-	-	-
	Female	-	-	-	-	-	-	-
795 Miscellaneous hand working occupations	Total	100.0	-	-	-	-	-	-
	Female	75	71	4	-	-	-	4
796 Production inspectors, checkers, and examiners	Total	100.0	94.7	5.3	-	-	-	5.3
	Female	46	42	4	-	-	-	4
797 Production testers	Total	2,095	1,929	166	27	9	-	130
	Female	100.0	92.1	7.9	1.3	0.4	-	6.2
798 Production samplers and weighers	Total	1,381	1,293	88	19	9	-	60
	Female	65.9	61.7	4.2	0.9	0.4	-	2.9
799 Graders and sorters, except agricultural	Total	457	436	21	6	6	-	15
	Female	100.0	95.4	4.6	1.3	1.3	-	3.3
Transportation and Material Moving Occupations: 803 Supervisors, motor vehicle operators	Total	172	166	6	-	-	-	-
	Female	37.6	36.3	1.3	-	-	-	-
804 Truck drivers, heavy	Total	11	11	-	-	-	-	-
	Female	100.0	100.0	-	-	-	-	-
805 Truck drivers, light	Total	7	7	-	-	-	-	-
	Female	63.6	63.6	-	-	-	-	-
804 Truck drivers, heavy	Total	133	127	6	6	-	-	6
	Female	100.0	95.5	4.5	4.5	-	-	4.5
805 Truck drivers, light	Total	60	60	-	-	-	-	-
	Female	45.1	45.1	-	-	-	-	-
803 Supervisors, motor vehicle operators	Total	31	31	-	-	-	-	-
	Female	100.0	100.0	-	-	-	-	-
804 Truck drivers, heavy	Total	226	226	-	-	-	-	-
	Female	1,597	1,556	41	6	6	-	29
805 Truck drivers, light	Total	100.0	97.4	2.6	0.4	-	-	1.8
	Female	48	48	-	-	-	-	-
803 Supervisors, motor vehicle operators	Total	30	30	-	-	-	-	-
	Female	747	747	-	-	-	-	-
804 Truck drivers, heavy	Total	100.0	100.0	-	-	-	-	-
	Female	27	27	-	-	-	-	-
805 Truck drivers, light	Total	3.6	3.6	-	-	-	-	-
	Female	-	-	-	-	-	-	-

Table 3A (continued)

Lawrence - Haverhill, MA - NH  
SMSAEqual Employment Indicators  
Detailed Occupations by Sex and Race/Ethnicity (a)

Data from Census Bureau sample estimates (b)

Detailed Occupations by 1980 Census Occupation Code (c)	Universe: Civilian Labor Force (e)							
	Total	White Not Hispanic	Total Minority (d)	Black Not Hispanic	Asian/PI Not Hispanic	Native American Not Hispanic	Remaining Races Not Hispanic	Hispanic All Races
Transportation and Material Moving Occupations (continued): 806 Driver-sales workers	Total	207	207	-	-	-	-	-
	Female %	100.0	100.0	-	-	-	-	-
808 Bus drivers	Total	343	332	11	11	-	-	-
	Female %	100.0	96.8	3.2	3.2	-	-	-
809 Taxicab drivers and chauffeurs	Total	257	246	11	11	-	-	-
	Female %	74.9	71.7	3.2	3.2	-	-	-
813 Parking lot attendants	Total	192	192	-	-	-	-	-
	Female %	100.0	100.0	-	-	-	-	-
814 Motor transportation occupations, n.e.c.	Total	-	-	-	-	-	-	-
	Female %	-	-	-	-	-	-	-
823 Railroad conductors and yardmasters	Total	45	45	-	-	-	-	-
	Female %	100.0	100.0	-	-	-	-	-
824 Locomotive operating occupations	Total	-	-	-	-	-	-	-
	Female %	-	-	-	-	-	-	-
825 Railroad brake, signal, and switch operators	Total	11	11	-	-	-	-	-
	Female %	100.0	100.0	-	-	-	-	-
826 Rail vehicle operators, n.e.c.	Total	4	4	-	-	-	-	-
	Female %	100.0	100.0	-	-	-	-	-
828 Ship captains and mates, except fishing boats	Total	-	-	-	-	-	-	-
	Female %	-	-	-	-	-	-	-
829 Sailors and deckhands	Total	13	13	-	-	-	-	-
	Female %	100.0	100.0	-	-	-	-	-

Data from Census Bureau sample estimates (b)

Detailed Occupations by 1980 Census Occupation Code (c)	Universe: Civilian Labor Force (e)							
	Total	White Not Hispanic	Total Minority (d)	Black Not Hispanic	Asian/PI Not Hispanic	Native American Not Hispanic	Remaining Races Not Hispanic	Hispanic All Races
Transportation and Material Moving Occupations (continued): 833 Marine engineers	Total % Female %	- -	- -	- -	- -	- -	- -	- -
834 Bridge, lock, and lighthouse tenders	Total % Female %	100.0 -	- -	- -	- -	- -	- -	- -
843 Supervisors: material moving equipment operators	Total % Female %	43 100.0	43 100.0	- -	- -	- -	- -	- -
844 Operating engineers	Total % Female %	222 100.0	216 97.3	6 2.7	- -	6 2.7	- -	- -
845 Longshore equipment operators	Total % Female %	100.0 -	- -	- -	- -	- -	- -	- -
848 Hoist and winch operators	Total % Female %	4 100.0	- -	4 100.0	4 100.0	- -	- -	- -
849 Crane and tower operators	Total % Female %	43 100.0	43 100.0	- -	- -	- -	- -	- -
853 Excavating and loading machine operators	Total % Female %	59 100.0	59 100.0	- -	- -	- -	- -	- -
855 Grader, dozer, and scraper operators	Total % Female %	10.2 37	10.2 37	- -	- -	- -	- -	- -
856 Industrial truck and tractor equipment operators	Total % Female %	371 100.0	364 98.1	7 1.9	7 1.9	- -	- -	- -
859 Miscellaneous material moving equipment operators	Total % Female %	1.3 400	1.3 360	- 10.0	- 40	- 10.0	- 4	40 10.0
	Total % Female %	96 24.0	92 23.0	4 1.0	4 1.0	- -	- -	4 1.0

Table 3A (continued)

Lawrence-Haverhill, MA-NH  
SMSA

Equal Employment Indicators  
Detailed Occupations by Sex and Race/Ethnicity (a)

U.S. Department of Labor  
Employment and Training Administration  
1980 Census, Run on 15 May 1983  
Lawrence Berkeley Laboratory

Data from Census Bureau sample estimates (b)

Detailed Occupations by 1980 Census Occupation Code (c)		Universe: Civilian Labor Force (e)							
		Total	White Not Hispanic	Total Minority (d)	Black Not Hispanic	Asian/PI Not Hispanic	Native American Not Hispanic	Remaining Races Not Hispanic	Hispanic All Races
863 Supervisors: handlers, equipment cleaners, and laborers, n.e.c.	Total	7	7	-	-	-	-	-	-
	Female %	100.0	100.0	-	-	-	-	-	-
864 Helpers, mechanics and repairers	Total	-	-	-	-	-	-	-	-
	Female %	100.0	-	-	-	-	-	-	-
865 Helpers, construction trades	Total	81	81	-	-	-	-	-	-
	Female %	100.0	100.0	-	-	-	-	-	-
866 Helpers, surveyor	Total	5	-	5	-	-	-	-	5
	Female %	100.0	-	100.0	-	-	-	-	100.0
867 Helpers, extractive occupations	Total	-	-	-	-	-	-	-	-
	Female %	100.0	-	-	-	-	-	-	-
869 Construction laborers	Total	674	642	32	-	-	8	-	24
	Female %	100.0	95.3	4.7	-	-	1.2	-	3.6
873 Production helpers	Total	12	12	-	-	-	-	-	-
	Female %	100.0	90.8	9.2	-	-	6	-	9.2
875 Garbage collectors	Total	123	123	-	-	-	-	-	-
	Female %	100.0	88.9	11.1	-	-	10	-	10
876 Stevedores	Total	7	7	-	-	-	-	-	-
	Female %	100.0	7.8	-	-	-	-	-	11.1
877 Stock handlers and baggers	Total	-	-	-	-	-	-	-	-
	Female %	1,221	1,221	18	-	-	9	-	9
878 Machine feeders and offbearers	Total	100.0	98.5	1.5	-	-	0.7	-	0.7
	Female %	216	216	-	-	-	-	-	-
	Total	112	112	17	-	-	-	-	17
	Female %	100.0	84.8	15.2	-	-	-	-	15.2
	Female %	36	36	-	-	-	-	-	-
	Female %	32.1	32.1	-	-	-	-	-	-

Table 3A (continued)

Lawrence - Haverhill, MA - NH  
SMSAEqual Employment Indicators  
Detailed Occupations by Sex and Race/Ethnicity (a)

Data from Census Bureau sample estimates (b)

Detailed Occupations by 1980 Census Occupation Code (c)		Universe: Civilian Labor Force (e)							
		Total	White Not Hispanic	Total Minority (d)	Black Not Hispanic	Asian/Pt Not Hispanic	Native American Not Hispanic	Remaining Races Not Hispanic	Hispanic All Races
883 Handlers, Equipment Cleaners, Helpers, and Laborers (continued): 883 Freight, stock, and material handlers, n.e.c.	Total	393	374	19	-	-	-	-	19
	Female	100.0	95.2	4.8	-	-	-	-	4.8
885 Garage and service station related occupations	Total	374	374	-	-	-	-	-	-
	Female	100.0	100.0	-	-	-	-	-	-
887 Vehicle washers and equipment cleaners	Total	169	130	39	-	7	-	-	32
	Female	100.0	76.9	23.1	-	4.1	-	-	18.9
888 Hand packers and packagers	Total	1,235	1,049	186	24	-	6	-	156
	Female	100.0	84.9	15.1	1.9	-	0.5	-	12.6
889 Laborers, except construction	Total	842	715	127	10	-	6	-	111
	Female	68.2	57.9	10.3	0.8	-	0.5	-	9.0
Laborers, exc. constr., by industry (h) Manufacturing: Nondurable goods	Total	1,236	1,153	83	-	-	14	-	69
	Female	100.0	93.3	6.7	-	-	1.1	-	5.6
Manufacturing: Durable goods	Total	160	154	6	-	-	-	-	6
	Female	12.9	12.5	0.5	-	-	-	-	0.5
Transportation, communications, and other public utilities	Total	272	232	40	-	-	-	-	40
	Female	100.0	85.3	14.7	-	-	-	-	14.7
Wholesale and retail trade	Total	17.6	17.6	19	-	-	7	-	12
	Female	100.0	90.6	9.4	-	-	3.4	-	5.9
All other industries	Total	32	32	-	-	-	-	-	-
	Female	15.8	15.8	-	-	-	-	-	-
919 Unemployed, No Civilian Work Experience Since 1975	Total	153	146	7	-	-	7	-	-
	Female	100.0	95.4	4.6	-	-	4.6	-	-
884	Total	-	-	-	-	-	-	-	-
	Female	-	-	-	-	-	-	-	-
886	Total	336	330	6	-	-	-	-	6
	Female	100.0	98.2	1.8	-	-	-	-	1.8
887	Total	25	19	6	-	-	-	-	6
	Female	7.4	5.7	1.8	-	-	-	-	1.8
888	Total	272	261	11	-	-	-	-	11
	Female	100.0	96.0	4.0	-	-	-	-	4.0
889	Total	55	55	-	-	-	-	-	-
	Female	20.2	20.2	-	-	-	-	-	-
890	Total	718	570	148	-	8	-	-	140
	Female	100.0	79.4	20.6	-	1.1	-	-	19.5
891	Total	377	310	67	-	-	-	-	67
	Female	52.5	43.2	9.3	-	-	-	-	9.3



Technical Footnotes to Tables 3 and 3A  
Occupations by Sex and Race/Ethnicity

- a) Racial categories on these tables are the same as those in the EEO Special File except that the Census Bureau category "American Indian, Eskimo, or Aleut" has been renamed "Native American", and "Other (Race n.e.c.)" has been renamed "Remaining Races".

Complete-count and sample data estimates for specific racial categories may not agree because write-in entries were handled differently for tabulations of complete-count and sample data.

- b) Items in the report are taken from the Census Bureau's EEO Special File, which contains statistical estimates based on sample data from the 1980 Census. That is, they are estimates of actual figures that would have resulted if a complete count had been done for the occupation questions. Estimates can be expected to vary from the complete-count result because of sampling error.
- c) Census occupational categories indicate the kind of work a person was doing at a job or business during the reference week (March 23-29, 1980) or, if not at work, at the most recent job or business if employed since 1975.
- d) "Total Minority" includes Hispanics of all races and non-Hispanics of all non-white races.
- e) The civilian labor force consists of employed and unemployed civilians 16 years old and over.
- f) In Summary Occupations by Sex and Race/Ethnicity Table, "Total, All Occupations" excludes unemployed persons with no civilian work experience since 1975.
- g) "Miscellaneous Machine Operators n.e.c." (777) and "Machine Operators, not specified" (779) are retabulated by industry in the three unnumbered categories shown below (779).
- h) "Laborers, except construction" (889) are retabulated by industry in the five unnumbered categories shown below (889).
- i) The data is presented exactly as received from the Lawrence Berkeley Laboratory. Totals may not add due to rounding or other factors related to sampling and estimation techniques.



