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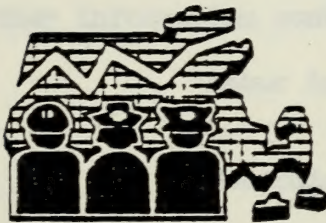




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**LABOR  
MARKET  
INFORMATION FOR  
AFFIRMATIVE  
ACTION  
PROGRAMS  
1983  
LAWRENCE-  
HAVERHILL, MA-NH  
SMSA**



**Job Market Research Publication**

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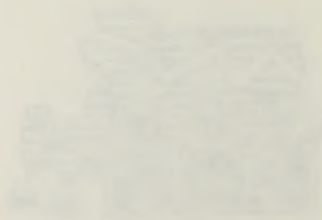
ACTION  
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Job Market Research Publications



**LABOR MARKET INFORMATION FOR AFFIRMATIVE ACTION PROGRAMS**

**Haverhill, MA-NH SMSA**

**1983**

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).

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**Division of Employment Security**  
**The Commonwealth of Massachusetts**  
**Government Center, Boston, Mass. 02114**

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.

Major sources of data for this report are:

The 1980 Census - Summary Tape File 1  
The 1980 Census - Summary Tape File 3  
Report 1A, Lawrence Berkeley Laboratory,  
University of California  
Report 2A, Lawrence Berkeley Laboratory  
University of California  
Employment Service Automated Reporting System (ESARS)

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 617-223-1481.

The information contained in this publication is provided to assist employers who are attempting to meet Affirmative Action obligations. This information does not contain all of the specific requirements with which federal contractors must conform in making a required 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.

The Equal Employment Indicators presents Census data which best responds to OFCCP and EEOC regulatory data requirements. The report is based on the Census Bureau's EEO Special File which was released in 1983. Information is available at a fee, for areas with 50,000 or more population from the following sources:

1. The Center for Massachusetts Data  
114 Draper Hall  
University of Massachusetts  
Amherst, Ma 01003  
(413) 545-0176 Lindsay Gillies



2. National Technical Information Series  
Office of Data Base Services  
5285 Port Royal Road  
Springfield, Virginia 22161  
(703) 487-4763 Alan Wenberg

The Lawrence-Haverhill MA-NH PMSA

is comprised of the following cities and towns:

Amesbury, Andover, Boxford, Georgetown, Groveland, Haverhill city, Lawrence city, Merrimac, Methuen, Newbury, Newburyport city, North Andover, Salisbury, and West Newbury in Essex County, Massachusetts and the cities and towns of Atkinson, Brentwood, Danville, Derry, East Kingston, Hampstead, Kingston, Newton, Plaistow, Sandown, Seabrook and Windham in Rockingham county in New Hampshire.

The current Lawrence-Haverhill Massachusetts-New Hampshire SMSA is located in Northeastern Massachusetts and Southeastern New Hampshire. It includes the cities of Lawrence and Haverhill and the towns of Amesbury, Andover, Georgetown, Groveland, Merrimac, Methuen, North Andover, Salisbury and West Newbury in Massachusetts; and the towns of Atkinson, Hampstead, Kingston, Newton, Plaistow, Salem and Windham in New Hampshire.

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 IA Population by Sex and Minority Status

The 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 of one or more whose components contained such suppressions.

Table 4 and 4A Occupations of Job Applicants, by Characteristics in Job Service Offices of the Division of Employment Security.

Table 4 Occupations of Applicants by Sex and Minority Status, Job Services Offices, Division of Employment Security details, by broad occupational category, the sex and minority status of the job applicant. Table 4A is an expansion of Table 4 to include, by selected occupational groups, the sex, age (youth and older worker categories) and veteran and minority status of applicants registered with Job Service Offices of the Division of Employment Security.

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	Percent
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	--	--
	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>	Sex		Labor Force		Employment		Unemployment		Unemployment Rate <sup>2/</sup>	Labor Force Participation Rate <sup>3/</sup>
	Number	Percent	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	8328	97.02	126050	97.12	6477	95.12	4.9	64.8		
Minority <sup>4/</sup>	1273	0.93	7522	5.80	806	11.84	9.7	63.0		
Black	220	0.16	1153	0.89	120	1.76	9.4	77.2		
American Indian, Eskimo, Aleut	521	0.38	209	0.16	11	0.16	5.0	68.5		
Asian and Pacific Islander	2056	1.51	505	0.39	16	0.24	3.1	67.1		
Other Races	4258	3.12	1871	1.44	185	2.72	9.0	64.5		
Spanish Origin (of any race)			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.

**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	0.2	3.0
Executive, Administrative, and Managerial Professional Specialty	13,859	13,565	294	98	31	13	10	142
Technicians and Related Support	16,942	16,450	492	76	132	26	6	252
Sales Occupations	5,282	5,108	174	57	28	-	5	84
Administrative Support, including Clerical Service Occupations	11,696	11,511	185	28	16	25	-	116
Farming, Forestry and Fishing	22,494	21,841	653	169	42	12	-	430
Precision Production, Craft and Repair	15,252	14,899	353	62	41	13	5	232
Machine Operators, Assemblers, Inspectors	990	970	20	-	-	-	-	20
Transportation and Material Moving	19,144	18,301	843	142	58	35	-	608
Handlers, Equip Cleaners, Helpers, Laborers	20,160	17,891	2,269	261	151	31	8	1,818
	4,380	4,271	109	28	-	12	-	69
	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	0.2	3.2
Executive, Administrative, and Managerial Professional Specialty	9,901	9,701	200	54	25	13	-	108
Technicians and Related Support	8,855	8,566	289	53	74	26	6	130
Sales Occupations	3,255	3,141	114	33	22	-	5	54
Administrative Support, including Clerical Service Occupations	6,143	6,064	79	13	6	12	-	48
Farming, Forestry and Fishing	5,492	5,298	194	49	12	7	-	126
Precision Production, Craft and Repair	7,142	7,012	130	24	17	8	-	81
Machine Operators, Assemblers, Inspectors	767	755	12	-	-	-	-	12
Transportation and Material Moving	16,838	16,164	674	126	48	30	-	470
Handlers, Equip Cleaners, Helpers, Laborers	9,983	8,685	1,298	141	47	11	8	1,091
	3,927	3,833	94	17	-	12	-	65
	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	0.2	0.2	2.9
Executive, Administrative, and Managerial Professional Specialty	3,958	3,864	94	44	6	-	10	34
Technicians and Related Support	8,087	7,884	203	23	58	-	-	122
Sales Occupations	2,027	1,967	60	24	6	-	-	30
Administrative Support, including Clerical Service Occupations	5,553	5,447	106	15	10	13	-	68
Farming, Forestry and Fishing	17,002	16,543	459	120	30	5	-	304
Precision Production, Craft and Repair	8,110	7,887	223	38	24	5	5	151
Machine Operators, Assemblers, Inspectors	223	215	438	16	-	-	-	8
Transportation and Material Moving	2,306	2,137	169	120	10	5	-	138
Handlers, Equip Cleaners, Helpers, Laborers	10,177	9,206	971	111	104	20	-	727
	453	438	15	11	-	-	-	4
	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	73.7	73.7	-	-	-	-	-
	Female	42	42	-	-	-	-	-
005 Administrators and officials, public administration	Total	16.7	16.7	-	-	-	-	-
	Female	309	292	17	-	-	-	17
006 Administrators, protective services	Total	100.0	94.5	5.5	-	-	-	5.5
	Female	26.2	24.6	1.6	-	-	-	1.6
007 Financial managers	Total	35	29	6	-	-	-	6
	Female	100.0	82.9	17.1	-	-	-	17.1
008 Personnel and labor relations managers	Total	729	723	6	6	-	-	6
	Female	100.0	99.2	0.8	0.8	-	-	0.8
009 Purchasing managers	Total	250	244	6	6	-	-	6
	Female	34.3	33.5	0.8	0.8	-	-	0.8
013 Managers, marketing, advertising, and public relations	Total	365	353	12	12	-	-	12
	Female	100.0	96.7	3.3	3.3	-	-	3.3
014 Administrators, education and related fields	Total	103	98	5	5	-	-	5
	Female	28.2	26.8	1.4	1.4	-	-	1.4
015 Managers, medicine and health	Total	97	97	-	-	-	-	-
	Female	100.0	100.0	-	-	-	-	-
016 Managers, properties and real estate	Total	5	5	-	-	-	-	-
	Female	5.2	5.2	-	-	-	-	-
017 Managers, marketing, advertising, and public relations	Total	956	943	13	7	6	6	6
	Female	100.0	98.6	1.4	0.7	0.6	0.6	0.6
018 Administrators, education and related fields	Total	146	139	7	7	-	-	-
	Female	15.3	14.5	0.7	0.7	-	-	-
019 Managers, medicine and health	Total	557	517	40	20	20	20	20
	Female	100.0	92.8	7.2	3.6	3.6	3.6	3.6
020 Managers, properties and real estate	Total	232	219	13	7	6	6	6
	Female	41.7	39.3	2.3	1.3	1.1	1.1	1.1
021 Managers, marketing, advertising, and public relations	Total	121	121	-	-	-	-	-
	Female	100.0	100.0	-	-	-	-	-
022 Managers, properties and real estate	Total	57	57	-	-	-	-	-
	Female	47.1	47.1	-	-	-	-	-
023 Managers, marketing, advertising, and public relations	Total	128	123	5	5	-	-	5
	Female	100.0	96.1	3.9	3.9	-	-	3.9
024 Managers, marketing, advertising, and public relations	Total	44	44	-	-	-	-	-
	Female	34.4	34.4	-	-	-	-	-



Table 3A (continued)

Lawrence-Haverhill, MA-NH  
SMISAU.S. Department of Labor  
Employment and Training Administration  
1980 Census, Run on 15 May 1983  
Lawrence Berkeley LaboratoryEqual 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
Executive, Administrative, and Managerial Occupations (continued): 017 Postmasters and mail superintendents	Total	18	-	-	-	-	-	-
	Female %	100.0	100.0	-	-	-	-	-
018 Funeral directors	Total	51	51	-	-	-	-	-
	Female %	100.0	100.0	-	-	-	-	-
(019) Managers and administrators, n.e.c., salaried	Total	35.3	35.3	-	-	-	-	-
	Female %	6,017	5,908	109	30	18	7	54
(019) Managers and administrators, n.e.c., self-employed	Total	100.0	98.2	1.8	0.5	0.3	0.1	0.9
	Female %	1,349	1,333	16	-	-	-	16
023 Accountants and auditors	Total	22.4	22.2	0.3	-	-	-	0.3
	Female %	540	540	-	-	-	-	-
024 Underwriters	Total	100.0	100.0	-	-	-	-	-
	Female %	148	148	-	-	-	-	-
025 Other financial officers	Total	27.4	27.4	-	-	-	-	-
	Female %	1,779	1,774	5	5	-	-	-
026 Management analysts	Total	100.0	99.7	0.3	0.3	-	-	-
	Female %	810	805	5	5	-	-	-
027 Personnel, training, and labor relations specialists	Total	45.5	45.3	0.3	-	-	-	-
	Female %	18	18	-	-	-	-	-
028 Purchasing agents and buyers, farm products	Total	100.0	100.0	-	-	-	-	-
	Female %	13	13	-	-	-	-	-
029 Buyers, wholesale and retail trade except farm products	Total	72.2	72.2	-	-	-	-	-
	Female %	468	462	6	6	6	6	6
018 Funeral directors	Total	100.0	98.7	1.3	-	-	-	-
	Female %	215	209	6	-	-	-	-
026 Management analysts	Total	45.9	44.7	1.3	-	-	-	-
	Female %	163	163	-	-	-	-	-
027 Personnel, training, and labor relations specialists	Total	100.0	100.0	-	-	-	-	-
	Female %	24	24	-	-	-	-	-
028 Purchasing agents and buyers, farm products	Total	14.7	14.7	-	-	-	-	-
	Female %	458	428	30	11	7	7	12
029 Buyers, wholesale and retail trade except farm products	Total	187	173	14	2.4	1.5	-	2.6
	Female %	40.8	37.8	3.1	1.5	-	-	7
018 Funeral directors	Total	7	7	-	-	-	-	-
	Female %	100.0	100.0	-	-	-	-	-
026 Management analysts	Total	220	220	-	-	-	-	-
	Female %	100.0	100.0	-	-	-	-	-
027 Personnel, training, and labor relations specialists	Total	56	56	-	-	-	-	-
	Female %	25.5	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)

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
033 Executive, Administrative, and Managerial Occupations (continued): 033 Purchasing agents and buyers, n.e.c.	Total	355	338	17	7	-	10	-
	%	100.0	95.2	4.8	2.0	-	2.8	-
	Female	108	91	17	7	-	10	-
	%	30.4	25.6	4.8	2.0	-	2.8	-
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	-	-	-	-	-

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	-	-	-	-	-	-	-
049 Nuclear engineers	Female %	100.0	-	-	-	-	-	-
	Total	285	285	-	-	-	-	-
	Female %	100.0	100.0	-	-	-	-	-
054 Agricultural engineers	Total	100.0	-	-	-	-	-	-
	Female %	-	-	-	-	-	-	-
055 Electrical and electronic engineers	Total	1,123	1,085	38	21	17	17	
	Female %	100.0	96.6	3.4	1.9	1.5	1.5	
	Female %	45	45	-	-	-	-	
	Female %	4.0	4.0	-	-	-	-	
056 Industrial engineers	Total	642	638	4	-	4	4	
	Female %	100.0	99.4	0.6	-	0.6	0.6	
	Female %	18	18	-	-	-	-	
	Female %	2.8	2.8	-	-	-	-	
057 Mechanical engineers	Total	461	442	19	7	12	12	
	Female %	100.0	95.9	4.1	1.5	2.6	2.6	
	Female %	4	4	-	-	-	-	
	Female %	0.9	0.9	-	-	-	-	
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	
	Female %	100.0	98.8	1.2	1.2	1.2	1.2	
	Female %	12	12	-	-	-	-	
	Female %	2.4	2.4	-	-	-	-	
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	
	Female %	100.0	93.6	6.4	1.3	3.2	3.2	
	Female %	79	79	-	-	-	-	
	Female %	21.2	21.2	-	-	-	-	
065 Operations and systems researchers and analysts	Total	79	73	6	6	6	6	
	Female %	100.0	92.4	7.6	7.6	7.6	7.6	
	Female %	6	6	-	-	-	-	
	Female %	7.6	7.6	-	-	-	-	

Table 3A (continued)

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	Hispanic All Races
Professional Specialty Occupations (continued): 066 Actuaries	Total	14	14	-	-	-	-
	Female %	100.0	100.0	-	-	-	-
067 Statisticians	Total	57	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	21	21	-	-	-	-
	Female %	100.0	100.0	-	-	-	-
073 Chemists, except biochemists	Total	147	135	12	5	7	-
	Female %	100.0	91.8	8.2	3.4	4.8	-
074 Atmospheric and space scientists	Total	19	19	-	-	-	-
	Female %	100.0	100.0	-	-	-	-
075 Geologists and geodesists	Total	6	6	-	-	-	-
	Female %	31.6	31.6	-	-	-	-
076 Physical scientists, n.e.c.	Total	14	14	-	-	-	-
	Female %	100.0	100.0	-	-	-	-
077 Agricultural and food scientists	Total	23	16	7	-	7	-
	Female %	100.0	69.6	30.4	-	30.4	-
078 Biological and life scientists	Total	55	55	-	-	-	-
	Female %	100.0	100.0	-	-	-	-
079 Forestry and conservation scientists	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):								
083 Medical scientists	Total 17 100.0	17 100.0	-	-	-	-	-	-
	Female 4	4	-	-	-	-	-	-
	% 23.5	23.5	-	-	-	-	-	-
084 Physicians	Total 319 100.0	307 96.2	12 3.8	-	-	-	-	12 3.8
	Female 20	20	-	-	-	-	-	-
	% 6.3	6.3	-	-	-	-	-	-
085 Dentists	Total 139 100.0	132 95.0	7 5.0	-	-	-	-	7 5.0
	Female 6	6	-	-	-	-	-	-
	% 4.3	4.3	-	-	-	-	-	-
086 Veterinarians	Total 46 100.0	46 100.0	-	-	-	-	-	-
	Female 5	5	-	-	-	-	-	-
	% 10.9	10.9	-	-	-	-	-	-
087 Optometrists	Total 25 100.0	25 100.0	-	-	-	-	-	-
	Female -	-	-	-	-	-	-	-
	% -	-	-	-	-	-	-	-
088 Podiatrists	Total 7 100.0	7 100.0	-	-	-	-	-	-
	Female -	-	-	-	-	-	-	-
	% -	-	-	-	-	-	-	-
089 Health diagnosing practitioners, n.e.c.	Total 33 100.0	33 100.0	-	-	-	-	-	-
	Female -	-	-	-	-	-	-	-
	% -	-	-	-	-	-	-	-
095 Registered nurses	Total 2,038 100.0	2,029 99.6	9 0.4	-	9 0.4	-	-	-
	Female 1,997 98.0	1,988 97.5	9 0.4	-	9 0.4	-	-	-
096 Pharmacists	Total 177 100.0	167 94.4	10 5.6	-	-	-	-	10 5.6
	Female 55	45	10	-	-	-	-	10
	% 31.1	25.4	5.6	-	-	-	-	5.6
097 Dietitians	Total 67 100.0	67 100.0	-	-	-	-	-	-
	Female 67	67	-	-	-	-	-	-
	% 100.0	100.0	-	-	-	-	-	-
098 Inhalation therapists	Total 79 100.0	79 100.0	-	-	-	-	-	-
	Female 52	52	-	-	-	-	-	-
	% 65.8	65.8	-	-	-	-	-	-

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 Consus 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 65 100.0 Female 55 84.6 %	65 100.0	-	-	-	-	-	-
103 Physical therapists	Total 46 100.0 Female 46 100.0 %	41 89.1	5 10.9	5 10.9	-	-	-	-
104 Speech therapists	Total 37 100.0 Female 37 100.0 %	37 100.0	-	-	-	-	-	-
105 Therapists, n.e.c.	Total 23 100.0 Female 15 65.2 %	23 100.0	-	-	-	-	-	-
106 Physicians' assistants	Total 16 100.0 Female 10 62.5 %	11 68.7	5 31.2	5 31.2	-	-	-	-
Teachers, Postsecondary:								
113 Earth, environmental, and marine science teachers	Total 6 100.0 Female 6 100.0 %	6 100.0	-	-	-	-	-	-
114 Biological science teachers	Total 5 100.0 Female 5 100.0 %	5 100.0	-	-	-	-	-	-
115 Chemistry teachers	Total 5 100.0 Female 5 100.0 %	5 100.0	-	-	-	-	-	-
116 Physics teachers	Total 6 100.0 Female 6 100.0 %	6 100.0	-	-	-	-	-	-
117 Natural science teachers, n.e.c.	Total 6 100.0 Female 6 100.0 %	6 100.0	-	-	-	-	-	-
118 Psychology teachers	Total 6 100.0 Female 6 100.0 %	6 100.0	-	-	-	-	-	-

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 %							
119 Economics teachers	6 100.0	6 100.0	-	-	-	-	-	-
123 History teachers	Total %							
	Female %							
124 Political science teachers	Total %							
	Female %							
125 Sociology teachers	Total %							
	Female %							
126 Social science teachers, n.e.c.	Total %							
	Female %							
127 Engineering teachers	Total %							
	Female %							
128 Mathematical science teachers	Total %							
	Female %							
129 Computer science teachers	Total %							
	Female %							
133 Medical science teachers	Total %							
	Female %							
134 Health specialties teachers	Total %							
	Female %							
135 Business, commerce, and marketing teachers	Total %							
	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
Professional Specialty Occupations (continued):								
136 Agriculture and forestry teachers	Total 100.0 Female -	-	-	-	-	-	-	-
137 Art, drama, and music teachers	Total 100.0 Female 15.6	32 100.0 5	-	-	-	-	-	-
138 Physical education teachers	Total 100.0 Female 9	22 100.0 9	-	-	-	-	-	-
139 Education teachers	Total 100.0 Female -	40.9 -	-	-	-	-	-	-
143 English teachers	Total 100.0 Female -	10 100.0 5	-	-	-	-	-	-
144 Foreign language teachers	Total 100.0 Female -	50.0 11 100.0 5	-	-	-	-	-	-
145 Law teachers	Total 100.0 Female -	45.5 -	-	-	-	-	-	-
146 Social work teachers	Total 100.0 Female -	-	-	-	-	-	-	-
147 Theology teachers	Total 100.0 Female -	-	-	-	-	-	-	-
148 Trade and industrial teachers	Total 100.0 Female -	-	-	-	-	-	-	-
149 Home economics teachers	Total 100.0 Female -	-	-	-	-	-	-	-



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): 153 Teachers, postsecondary, n.e.c.	Total	-	-	-	-	-	-	-		
	Female %	100.0	-	-	-	-	-	-		
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	116	111	5	5	-	-	-		
	Female %	32.8	31.4	1.4	1.4	-	-	-		
156 Teachers, elementary school	Total	294	282	12	7	5	-	-		
	Female %	100.0	95.9	4.1	2.4	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	19	-	9		
	Female %	100.0	97.7	2.3	0.3	1.3	-	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		
167 Teachers, n.e.c.	Total	553	520	33	4	4	6	23		
	Female %	100.0	94.0	6.0	0.7	1.1	1.1	4.2		
168 Counselors, educational and vocational	Total	378	361	17	4	-	-	13		
	Female %	68.4	65.3	3.1	0.7	-	-	5.3		
169 Librarians	Total	258	253	5	5	-	-	-		
	Female %	100.0	98.1	1.9	1.9	-	-	-		
170 Librarians	Total	159	159	-	-	-	-	-		
	Female %	61.6	61.6	-	-	-	-	-		
171 Librarians	Total	244	231	13	-	13	-	-		
	Female %	100.0	94.7	5.3	-	5.3	-	-		
172 Librarians	Total	220	207	13	-	13	-	-		
	Female %	90.2	84.8	5.3	-	5.3	-	-		
173 Librarians	Total	12	12	-	-	-	-	-		
	Female %	100.0	100.0	-	-	-	-	-		
174 Librarians	Total	6	6	-	-	-	-	-		
	Female %	50.0	50.0	-	-	-	-	-		
175 Librarians	Total	183	171	12	7	5	-	-		
	Female %	100.0	93.4	6.6	3.8	2.7	-	-		
176 Librarians	Total	28	28	-	-	-	-	-		
	Female %	15.3	15.3	-	-	-	-	-		

Table 3A (continued)

## 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):								
167 Psychologists	Total 74 100.0 Female % 33 44.6 Total 100.0 Female %	61 82.4 20 27.0	13 17.6 13 17.6	--	--	--	--	13 17.6 13 17.6
168 Sociologists	Total 30 100.0 Female % 8 26.7 Total 100.0 Female %	30 100.0 8 26.7 13 100.0	--	--	--	--	--	--
169 Social Scientists, n.e.c.	Total 630 100.0 Female % 356 56.5 Total 69 100.0 Female %	544 86.3 309 49.0 69 100.0	86 13.7 47 7.5	4 0.6 4 0.6	6 1.0 6 1.0	--	76 12.1 37 5.9	
175 Recreation workers	Total 203 100.0 Female % 41 20.2 Total 39 100.0 Female %	203 100.0 41 20.2 39 100.0	--	--	--	--	--	--
176 Clergy	Total 821 100.0 Female % 67 14.2 Total 28 100.0 Female %	821 100.0 67 14.2 28 100.0	--	--	--	--	--	--
177 Religious workers, n.e.c.	Total 6 100.0 Female % 17 100.0 Female %	6 100.0 17 100.0	--	--	--	--	--	--
178 Lawyers	Total 12 100.0 Female % 12 100.0 Female %	12 100.0 12 100.0	--	--	--	--	--	--
179 Judges	Total 12 100.0 Female % 12 100.0 Female %	12 100.0 12 100.0	--	--	--	--	--	--
183 Authors	Total 12 100.0 Female % 12 100.0 Female %	12 100.0 12 100.0	--	--	--	--	--	--

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	111	-	-	-	-	-	-
184 Technical writers	Female	100.0	100.0	-	-	-	-	-
	%	18	16.2	-	-	-	-	-
185 Designers	Total	470	433	37	6	-	-	24
	Female	100.0	92.1	7.9	1.3	-	-	5.1
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	100.0	100.0	-	-	-	-	-
189 Photographers	Total	10	10	-	-	-	-	-
	Female	62.5	62.5	-	-	-	-	-
193 Dancers	Total	179	179	-	-	-	-	-
	Female	100.0	100.0	-	-	-	-	-
	%	71	71	-	-	-	-	-
	%	39.7	39.7	-	-	-	-	-
194 Artists, performers, and related workers, n.e.c.	Total	82	82	-	-	-	-	-
	Female	100.0	100.0	-	-	-	-	-
	%	23	23	-	-	-	-	-
	%	28.0	28.0	-	-	-	-	-
195 Editors and reporters	Total	-	-	-	-	-	-	-
	Female	100.0	-	-	-	-	-	-
	%	58	58	-	-	-	-	-
	%	100.0	100.0	-	-	-	-	-
	%	35	35	-	-	-	-	-
	%	60.3	60.3	-	-	-	-	-
197 Public relations specialists	Total	219	206	13	-	-	-	13
	Female	100.0	94.1	5.9	-	-	-	5.9
	%	138	125	13	-	-	-	13
	%	63.0	57.1	5.9	-	-	-	5.9
198 Announcers	Total	85	85	-	-	-	-	-
	Female	100.0	100.0	-	-	-	-	-
	%	33	33	-	-	-	-	-
	%	38.8	38.8	-	-	-	-	-
	%	6	6	-	-	-	-	-
	%	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)

	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</b> (continued):	<b>Total</b>	<b>53</b>	<b>13</b>							
199 Athletes	Female %	100.0	5.0							
		20	8							
		37.7	3.1							
<b>Technicians and Related Support</b> Occupations:	<b>Total</b>	<b>260</b>	<b>247</b>							
203 Clinical laboratory technologists and technicians	Female %	100.0	95.0							
		176	168							
		67.7	64.6							
204 Dental hygienists	Total %	104	104							
	Female %	104	104							
		100.0	100.0							
205 Health record technologists and technicians	Total %	31	31							
	Female %	31	31							
		100.0	100.0							
206 Radiologic technicians	Total %	174	174							
	Female %	133	133							
		76.4	76.4							
207 Licensed practical nurses	Total %	683	659	24						
	Female %	100.0	96.5	3.5						
		663	639	24						
		97.1	93.6	3.5						
208 Health technologists and technicians, n.e.c.	Total %	180	180							
	Female %	114	114							
		63.3	63.3							
213 Electrical and electronic technicians	Total %	1,119	1,070	49	14	6				
	Female %	100.0	95.6	4.4	1.3	0.5				
		171	165	6	6	0.5				
		15.3	14.7	0.5						
214 Industrial engineering technicians	Total %	100.0	100.0							
	Female %									
215 Mechanical engineering technicians	Total %	29	29							
	Female %	100.0	100.0							
		7	7							
		24.1	24.1							
216 Engineering technicians, n.e.c.	Total %	357	347	10						
	Female %	100.0	97.2	2.8						
		70	60	10						
		19.6	16.8	2.8						

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
Technicians and Related Support Occupations (continued):								
217 Drafting occupations	Total 766	753	13	7	6	-	-	-
	Female 100.0	98.3	1.7	0.9	0.8	-	-	-
		111	-	-	-	-	-	-
		14.5	-	-	-	-	-	-
218 Surveying and mapping technicians	Total 78	71	7	-	-	-	7	-
	Female 100.0	91.0	9.0	-	-	-	9.0	-
		5	-	-	-	-	-	-
		6.4	-	-	-	-	-	-
233 Biological technicians	Total 25	25	-	-	-	-	-	-
	Female 100.0	100.0	-	-	-	-	-	-
		11	-	-	-	-	-	-
		44.0	-	-	-	-	-	-
224 Chemical technicians	Total 121	121	-	-	-	-	-	-
	Female 100.0	100.0	-	-	-	-	-	-
		12	-	-	-	-	-	-
		9.9	-	-	-	-	-	-
225 Science technicians, n.e.c.	Total 146	146	-	-	-	-	-	-
	Female 100.0	100.0	-	-	-	-	-	-
		64	-	-	-	-	-	-
		43.8	-	-	-	-	-	-
226 Airplane pilots and navigators	Total 83	83	-	-	-	-	-	-
	Female 100.0	100.0	-	-	-	-	-	-
		-	-	-	-	-	-	-
		-	-	-	-	-	-	-
227 Air traffic controllers	Total 30	24	6	-	-	-	-	6
	Female 100.0	80.0	20.0	-	-	-	-	20.0
		6	-	-	-	-	-	-
		20.0	-	-	-	-	-	-
228 Broadcast equipment operators	Total 80	80	-	-	-	-	-	-
	Female 100.0	100.0	-	-	-	-	-	-
		39	-	-	-	-	-	-
		48.7	-	-	-	-	-	-
229 Computer programmers	Total 466	435	31	12	7	-	-	12
	Female 100.0	93.3	6.7	2.6	1.5	-	-	2.6
		188	12	-	-	-	-	12
		40.3	2.6	-	-	-	-	2.6
233 Tool programmers, numerical control	Total 27	27	-	-	-	-	-	-
	Female 100.0	100.0	-	-	-	-	-	-
		-	-	-	-	-	-	-
		-	-	-	-	-	-	-
234 Legal assistants	Total 50	50	-	-	-	-	-	-
	Female 100.0	100.0	-	-	-	-	-	-
		33	-	-	-	-	-	-
		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 473 100.0 Female 89 18.8	452 95.6 89 18.8	21 4.4	-	9 1.9	-	-	12 2.5
Sales Occupations: (243) Supervisors and proprietors, sales occupations, salaried	Total 1,532 100.0 Female 404 26.4	1,505 98.2 377 24.6	27 1.8	-	-	7 0.5	-	20 1.3
(243) Supervisors and proprietors, sales occupations, self-employed	Total 439 100.0 Female 135 30.8	439 100.0 135 30.8	-	-	-	0.5	-	1.3
253 Insurance sales occupations	Total 607 100.0 Female 128 21.1	607 100.0 128 21.1	-	-	-	-	-	-
254 Real estate sales occupations	Total 623 100.0 Female 316 50.7	611 98.1 304 48.8	12 1.9	-	-	6 1.0	-	6 1.0
255 Securities and financial services sales occupations	Total 105 100.0 Female 12 11.4	105 100.0 12 11.4	-	-	-	-	-	-
256 Advertising and related sales occupations	Total 59 100.0 Female 6 10.2	59 100.0 6 10.2	-	-	-	-	-	-
257 Sales occupations, other business services	Total 355 100.0 Female 110 31.0	355 100.0 110 31.0	-	-	-	-	-	-
258 Sales engineers	Total 127 100.0 Female -	127 100.0 -	-	-	-	-	-	-
259 Sales representatives, mining, manufacturing, and wholesale	Total 1,625 100.0 Female 231 14.2	1,619 99.6 231 14.2	6 0.4	-	6 0.4	-	-	-
263 Sales workers, motor vehicles and boats	Total 286 100.0 Female 7 2.4	286 100.0 7 2.4	-	-	-	-	-	-

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
264 Sales workers, apparel	Total 592 100.0 Female 481 81.2 Total 105 100.0 Female 60 57.1	568 95.9 466 78.7 105 100.0 60 57.1	24 4.1 15 2.5	15 2.5	-	-	-	9 1.5
265 Sales workers, shoes	Total 121 100.0 Female 37 30.6	115 95.0 37 30.6	6 5.0	-	-	-	-	6 5.0
266 Sales workers, furniture and home furnishings	Total 85 100.0 Female 13 15.3	85 100.0 13 15.3	-	-	-	-	-	-
267 Sales workers; radio, TV, hi-fi, and appliances	Total 211 100.0 Female 20 9.5	211 100.0 20 9.5	-	-	-	-	-	-
268 Sales workers, hardware and building supplies	Total 224 100.0 Female 27 12.0	218 97.3 27 12.0	6 2.7	-	-	-	-	6 2.7
269 Sales workers, parts	Total 2,088 100.0 Female 1,512 72.4	2,038 97.6 1,497 71.7	50 2.4 15 0.7	13 0.6	-	-	-	37 1.8 15 0.7
274 Sales workers, other commodities	Total 119 100.0 Female 97 81.5	112 94.1 97 81.5	7 5.9	-	-	-	-	7 5.9
275 Sales counter clerks	Total 2,074 100.0 Female 1,806 87.1	2,027 97.7 1,769 85.3	47 2.3 37 1.8	-	-	-	-	5 0.2
276 Cashiers	Total 182 100.0 Female 106 58.2	182 100.0 106 58.2	-	-	-	-	-	10 5.5 27 15.0 13 7.2
277 Street and door-to-door sales workers	Total 129 100.0 Female 58 45.0	129 100.0 58 45.0	-	-	-	-	-	-
278 News vendors	Total 129 100.0 Female 58 45.0	129 100.0 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

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
Sales Occupations (continued): 283 Demonstrators, promoters and models, sales	Total % Female %	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -
284 Auctioneers	Total % Female %	100.0 - -	100.0 - -	- - -	- - -	- - -	- - -	- - -
285 Sales support occupations, n.e.c.	Total % Female %	8 100.0 8	8 100.0 8	- - -	- - -	- - -	- - -	- - -
Administrative Support Occupations, including Clerical: 303 Supervisors: general office	Total % Female %	903 100.0 592	875 96.9 576	28 3.1 16	16 1.8 16	- - -	- - -	12 1.3 -
304 Supervisors: computer equipment operators	Total % Female %	87 100.0 22	87 100.0 22	- - -	- - -	- - -	- - -	- - -
305 Supervisors: financial records processing	Total % Female %	247 100.0 120	253 100.0 120	- - -	- - -	- - -	- - -	- - -
306 Chief communications operators	Total % Female %	87 100.0 37	87 100.0 37	- - -	- - -	- - -	- - -	- - -
307 Supervisors: distribution, scheduling, and adjusting clerks	Total % Female %	425 100.0 39	425 96.4 39	10 3.6	- - -	- - -	- - -	10 3.6 -
308 Computer operators	Total % Female %	696 100.0 394	666 95.7 381	30 4.3 13	11 1.6	6 0.9	- - -	13 1.9 1.3
309 Peripheral equipment operators	Total % Female %	56.6 100.0 34	54.7 100.0 34	1.9 - -	- - -	- - -	- - -	1.9 - -
313 Secretaries	Total % Female %	4,619 100.0 4,586	4,510 97.6 4,477	109 2.4 109	34 0.7 34	11 0.2 11	- - -	64 1.4 64
	Total % 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  
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
Administrative Support Occupations, including Clerical (continued): 314 Stenographers	Total 99 100.0	93 93.9	6 6.1	6 6.1	-	-	-	-
	Female 79 79.8	73 73.7	6 6.1	6 6.1	-	-	-	-
315 Typists	Total 807 100.0	743 92.1	64 7.9	20 2.5	-	-	-	44 5.5
	Female 802 99.4	738 91.4	64 7.9	20 2.5	-	-	-	44 5.5
316 Interviewers	Total 172 100.0	158 91.9	14 8.1	-	6 3.5	-	-	8 4.7
	Female 142 82.6	134 77.9	8 4.7	-	-	-	-	8 4.7
317 Hotel clerks	Total 60 100.0	60 100.0	-	-	-	-	-	-
	Female 40 66.7	40 66.7	-	-	-	-	-	-
318 Transportation ticket and reservation agents	Total 60 100.0	52 86.7	8 13.3	-	-	-	-	8 13.3
	Female 41 68.3	41 68.3	-	-	-	-	-	-
319 Receptionists	Total 555 100.0	540 97.3	15 2.7	-	-	-	-	15 2.7
	Female 542 97.7	527 95.0	15 2.7	-	-	-	-	15 2.7
323 Information clerks, n.e.c.	Total 97 100.0	97 100.0	-	-	-	-	-	-
	Female 72 74.2	72 74.2	-	-	-	-	-	-
325 Classified-ad clerks	Total 5 100.0	5 100.0	-	-	-	-	-	-
	Female 5 100.0	5 100.0	-	-	-	-	-	-
326 Correspondence clerks	Total 10 100.0	10 100.0	-	-	-	-	-	-
	Female 10 100.0	10 100.0	-	-	-	-	-	-
327 Order clerks	Total 406 100.0	406 100.0	-	-	-	-	-	-
	Female 287 70.7	287 70.7	-	-	-	-	-	-
328 Personnel clerks, except payroll and timekeeping	Total 101 100.0	89 88.1	12 11.9	6 5.9	-	-	-	6 5.9
	Female 101 100.0	89 88.1	12 11.9	6 5.9	-	-	-	6 5.9

Table 3A (continued)

**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	240	226	14	7	-	-	-	7
	%	100.0	94.2	5.8	2.9	-	-	-	2.9
Administrative Support Occupations, including Clerical (continued):	Female	233	226	7	-	-	-	-	7
	%	97.1	94.2	2.9	-	-	-	-	2.9
329 Library clerks	Total	504	491	13	6	-	-	-	7
	%	100.0	97.4	2.6	1.2	-	-	-	1.4
335 File clerks	Female	418	405	13	6	-	-	-	7
	%	82.9	80.4	2.6	1.2	-	-	-	1.4
336 Records clerks	Total	104	104	-	-	-	-	-	-
	%	100.0	100.0	-	-	-	-	-	-
337 Bookkeepers, accounting, and auditing clerks	Female	88	88	-	-	-	-	-	-
	%	84.6	84.6	-	-	-	-	-	-
338 Payroll and timekeeping clerks	Total	2,138	2,124	14	-	-	-	-	14
	%	100.0	99.3	0.7	-	-	-	-	0.7
339 Billing clerks	Female	2,003	1,996	7	-	-	-	-	7
	%	93.7	93.4	0.3	-	-	-	-	0.3
343 Cost and rate clerks	Total	340	340	-	-	-	-	-	-
	%	100.0	100.0	-	-	-	-	-	-
344 Billing, posting, and calculating machine operators	Female	281	281	-	-	-	-	-	-
	%	82.6	82.6	-	-	-	-	-	-
345 Duplicating machine operators	Total	114	114	-	-	-	-	-	-
	%	100.0	100.0	-	-	-	-	-	-
346 Mail preparing and paper handling machine operators	Female	108	108	-	-	-	-	-	-
	%	94.7	94.7	-	-	-	-	-	-
347 Office machine operators, n.e.c.	Total	75	70	5	5	-	-	-	7
	%	100.0	93.3	6.7	6.7	-	-	-	26.9
329 Library clerks	Female	29	29	-	-	-	-	-	-
	%	38.7	38.7	-	-	-	-	-	-
335 File clerks	Total	97	97	-	-	-	-	-	-
	%	100.0	100.0	-	-	-	-	-	-
336 Records clerks	Female	97	97	-	-	-	-	-	-
	%	100.0	100.0	-	-	-	-	-	-
337 Bookkeepers, accounting, and auditing clerks	Total	26	19	7	-	-	-	-	7
	%	100.0	73.1	26.9	-	-	-	-	26.9
338 Payroll and timekeeping clerks	Female	15	15	-	-	-	-	-	-
	%	57.7	57.7	-	-	-	-	-	-
339 Billing clerks	Total	-	-	-	-	-	-	-	-
	%	100.0	-	-	-	-	-	-	-
343 Cost and rate clerks	Female	-	-	-	-	-	-	-	-
	%	34	34	-	-	-	-	-	-
344 Billing, posting, and calculating machine operators	Total	100.0	100.0	-	-	-	-	-	-
	%	8	8	-	-	-	-	-	-
345 Duplicating machine operators	Female	23.5	23.5	-	-	-	-	-	-
	%	23.5	23.5	-	-	-	-	-	-

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
Administrative Support Occupations, including Clerical (continued): 348 Telephone operators	Total 499 100.0 Female 478 95.8	499 100.0 478 95.8	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -
349 Telegraphers	Total 20 100.0 Female 20 100.0	20 100.0 20 100.0	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -
353 Communications equipment operators, n.e.c.	Total 210 100.0 Female 6 2.9	210 100.0 6 2.9	20 9.5 100.0 Female 20 100.0	- - - -	- - - -	- - - -	- - - -	- - - -
354 Postal clerks, exc. mail carriers	Total 381 100.0 Female 16 4.2	381 100.0 16 4.2	210 55.1 100.0 Female 210 100.0	- - - -	- - - -	- - - -	- - - -	- - - -
355 Mail carriers, postal service	Total 125 100.0 Female 105 84.0	125 100.0 105 84.0	210 168 100.0 Female 6 2.9	- - - -	- - - -	- - - -	- - - -	- - - -
356 Mail clerks, exc. postal service	Total 104 100.0 Female 89 85.6	104 100.0 89 85.6	125 120.2 100.0 Female 125 100.0	- - - -	- - - -	- - - -	- - - -	- - - -
357 Messengers	Total 138 100.0 Female 48 34.8	138 100.0 48 34.8	105 76.1 100.0 Female 105 100.0	- - - -	- - - -	- - - -	- - - -	- - - -
359 Dispatchers	Total 600 100.0 Female 258 43.0	600 100.0 258 43.0	104 17.3 100.0 Female 104 100.0	- - - -	- - - -	- - - -	- - - -	- - - -
363 Production coordinators	Total 1,006 100.0 Female 89 8.8	1,006 100.0 89 8.8	104 10.3 100.0 Female 104 100.0	- - - -	- - - -	- - - -	- - - -	- - - -
364 Traffic, shipping, and receiving clerks	Total 786 100.0 Female 315 40.1	786 100.0 315 40.1	1,006 128.1 100.0 Female 1,006 100.0	- - - -	- - - -	- - - -	- - - -	- - - -
365 Stock and inventory clerks	Total 88 100.0 Female 88 100.0	88 100.0 88 100.0	786 89.3 100.0 Female 786 100.0	- - - -	- - - -	- - - -	- - - -	- - - -

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
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	7.0	7.0	-	-	-	-	-
	Female %	100.0	60	-	-	-	-	-
369 Samplers	Total	22	22	-	-	-	-	-
	Female %	36.7	36.7	-	-	-	-	-
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	191	191	-	-	-	-	-
	Female %	100.0	100.0	-	-	-	-	-
377 Eligibility clerks, social welfare	Total	94	94	-	-	-	-	-
	Female %	49.2	49.2	-	-	-	-	-
378 Bill and account collectors	Total	142	142	-	-	-	-	-
	Female %	100.0	100.0	-	-	-	-	-
379 General office clerks	Total	91	91	-	-	-	-	-
	Female %	64.1	64.1	-	-	-	-	-
383 Bank tellers	Total	7	7	-	-	-	-	-
	Female %	100.0	100.0	-	-	-	-	-
366 Meter readers	Total	108	108	-	-	-	-	-
	Female %	100.0	100.0	-	-	-	-	-
368 Weighers, measurers, and checkers	Total	74	74	-	-	-	-	-
	Female %	68.5	68.5	-	-	-	-	-
369 Samplers	Total	1,889	1,822	67	15	6	-	46
	Female %	100.0	96.5	3.5	0.8	0.3	-	2.4
373 Expeditors	Total	1,609	1,547	62	10	6	-	46
	Female %	85.2	81.9	3.3	0.5	0.3	-	2.4
375 Insurance adjusters, examiners, and investigators	Total	597	578	19	-	-	-	19
	Female %	100.0	96.8	3.2	-	-	-	3.2
376 Investigators and adjusters, except insurance	Total	566	554	12	-	-	-	12
	Female %	94.8	92.8	2.0	-	-	-	2.0

Table 3A (continued)  
Equal 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
Detailed Occupations by 1980 Census Occupation Code (c)	Total %	16	10	6	-	-	-	-	6
	Female %	100.0	62.5	37.5	-	-	-	-	37.5
Admin. Support, inc. Clerical (cont.): 384 Proofreaders	Total %	11	5	6	-	-	-	-	6
	Female %	68.7	31.2	37.5	-	-	-	-	37.5
385 Data-entry keyers	Total %	695	695	-	-	-	-	-	-
	Female %	100.0	100.0	-	-	-	-	-	-
386 Statistical clerks	Total %	659	659	-	-	-	-	-	-
	Female %	94.8	94.8	-	-	-	-	-	-
387 Teachers' aides	Total %	205	200	5	-	-	-	-	5
	Female %	100.0	97.6	2.4	-	-	-	-	2.4
389 Administrative support occupations, n.e.c.	Total %	153	148	5	-	-	-	-	5
	Female %	74.6	72.2	2.4	-	-	-	-	2.4
Private Household Occupations: 403 Launderers and ironers	Total %	417	396	21	-	7	-	-	14
	Female %	100.0	95.0	5.0	-	1.7	-	-	3.4
404 Cooks, private household	Total %	417	396	21	-	7	-	-	14
	Female %	100.0	95.0	5.0	-	1.7	-	-	3.4
405 Housekeepers and butlers	Total %	880	852	28	-	7	-	-	21
	Female %	100.0	96.8	3.2	-	0.8	-	-	2.4
406 Child care workers, private household	Total %	535	519	16	-	-	-	-	16
	Female %	60.8	59.0	1.8	-	-	-	-	1.8
407 Private household cleaners and servants	Total %	-	-	-	-	-	-	-	-
	Female %	100.0	-	-	-	-	-	-	-
Protective Service Occupations: 413 Supervisors: firefighting and fire prevention occupations	Total %	6	6	-	-	-	-	-	-
	Female %	100.0	100.0	-	-	-	-	-	-
405 Housekeepers and butlers	Total %	54	54	-	-	-	-	-	-
	Female %	100.0	100.0	-	-	-	-	-	-
406 Child care workers, private household	Total %	44	44	-	-	-	-	-	-
	Female %	81.5	81.5	-	-	-	-	-	-
407 Private household cleaners and servants	Total %	148	141	7	-	-	-	-	7
	Female %	100.0	95.3	4.7	-	-	-	-	4.7
Private Household Occupations: 403 Launderers and ironers	Total %	130	123	7	-	-	-	-	7
	Female %	87.8	83.1	4.7	-	-	-	-	4.7
Protective Service Occupations: 413 Supervisors: firefighting and fire prevention occupations	Total %	141	130	11	-	6	-	-	5
	Female %	100.0	92.2	7.8	-	4.3	-	-	3.5
404 Cooks, private household	Total %	128	117	11	-	6	-	-	5
	Female %	90.8	83.0	7.8	-	4.3	-	-	3.5

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

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
Protective Service Occupations (continued):	Total	80	80	-	-	-	-	-
	Female	100.0	100.0	-	-	-	-	-
414 Supervisors: police and detectives	Total	46	46	-	-	-	-	-
	Female	100.0	100.0	-	-	-	-	-
415 Supervisors: guards	Total	17	17	-	-	-	-	-
	Female	100.0	100.0	-	-	-	-	-
416 Fire inspection and fire prevention occupations	Total	543	543	-	-	-	-	-
	Female	100.0	100.0	-	-	-	-	-
417 Firefighting occupations	Total	550	539	11	-	-	-	11
	Female	100.0	98.0	2.0	-	-	-	2.0
418 Police and detectives, public service	Total	11	-	11	-	-	-	11
	Female	2.0	-	2.0	-	-	-	2.0
423 Sheriffs, bailiffs, and other law enforcement officers	Total	20	20	-	-	-	-	-
	Female	100.0	100.0	-	-	-	-	-
424 Correctional institution officers	Total	56	51	5	-	-	-	-
	Female	100.0	91.1	8.9	5	-	-	-
	Female	6	6	-	-	-	-	-
	Female	10.7	10.7	-	-	-	-	-
425 Crossing guards	Total	89	89	-	-	-	-	-
	Female	100.0	100.0	-	-	-	-	-
	Female	77	77	-	-	-	-	-
	Female	86.5	86.5	-	-	-	-	-
426 Guards and police, except public service	Total	826	814	12	8	-	-	8
	Female	100.0	98.5	1.5	1.0	-	-	1.0
	Female	54	54	-	-	-	-	-
	Female	6.5	6.5	-	-	-	-	-
427 Protective service occupations, n.e.c.	Total	82	82	-	-	-	-	-
	Female	100.0	100.0	-	-	-	-	-
	Female	12	12	-	-	-	-	-
	Female	14.6	14.6	-	-	-	-	-
Service Occupations, except Protective and Private Household:	Total	291	286	5	-	-	-	-
	Female	100.0	98.3	1.7	-	-	-	-
433 Supervisors: food preparation and service occupations	Total	143	143	-	-	-	-	-
	Female	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

## 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 (b)									
	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	-	-	-	-	-	-		
	Female	100.0	100.0	-	-	-	-	-		
435 Waiters and waitresses	Total	35.3	35.3	-	-	-	-	-		
	Female	1,658	1,638	20	7	-	13	-		
436 Cooks, except short order	Total	100.0	98.8	1.2	0.4	-	0.8	-		
	Female	1,530	1,510	20	7	-	13	-		
437 Short-order cooks	Total	92.3	91.1	1.2	0.4	-	0.8	-		
	Female	1,004	985	19	6	-	13	-		
438 Food counter, fountain and related occupations	Total	100.0	98.1	1.9	0.6	-	1.3	-		
	Female	440	440	-	-	-	-	-		
439 Kitchen workers, food preparation	Total	43.8	43.8	-	-	-	-	-		
	Female	133	133	-	-	-	-	-		
443 Waiters'/waitresses' assistants	Total	100.0	100.0	-	-	-	-	-		
	Female	50	50	-	-	-	-	-		
444 Miscellaneous food preparation occupations	Total	37.6	37.6	-	-	-	-	-		
	Female	262	262	-	-	-	-	-		
445 Dental assistants	Total	100.0	100.0	-	-	-	-	-		
	Female	212	212	-	-	-	-	-		
446 Health aides, except nursing attendants	Total	80.9	80.9	-	-	-	-	-		
	Female	131	131	-	-	-	-	-		
447 Nursing aides, orderlies, and attendants	Total	100.0	100.0	-	-	-	-	-		
	Female	90	90	-	-	-	-	-		
448 Miscellaneous food preparation occupations	Total	68.7	68.7	-	-	-	-	-		
	Female	210	210	-	-	-	-	-		
449 Waiters'/waitresses' assistants	Total	100.0	100.0	-	-	-	-	-		
	Female	117	117	-	-	-	-	-		
450 Miscellaneous food preparation occupations	Total	55.7	55.7	-	-	-	-	-		
	Female	1,118	1,078	40	7	-	17	-		
451 Dental assistants	Total	100.0	96.4	3.6	0.6	-	1.5	-		
	Female	700	675	25	7	-	8	-		
452 Health aides, except nursing attendants	Total	82.6	80.4	2.2	0.6	-	0.7	-		
	Female	249	249	-	-	-	-	-		
453 Health aides, except nursing attendants	Total	100.0	100.0	-	-	-	-	-		
	Female	242	242	-	-	-	-	-		
454 Health aides, except nursing attendants	Total	97.2	97.2	-	-	-	-	-		
	Female	364	352	12	6	-	6	-		
455 Health aides, except nursing attendants	Total	100.0	96.7	3.3	1.6	-	1.6	-		
	Female	301	295	6	6	-	6	-		
456 Health aides, except nursing attendants	Total	82.7	81.0	1.6	1.6	-	1.6	-		
	Female	1,594	1,519	75	6	-	46	-		
457 Health aides, except nursing attendants	Total	100.0	95.3	4.7	0.4	-	0.3	-		
	Female	1,457	1,397	60	13	-	37	-		
458 Health aides, except nursing attendants	Total	91.4	87.6	3.8	0.8	-	0.3	-		
	Female	-	-	-	-	-	-	-		

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
Service Occupations, except Protective and Private Household (continued): 448 Supervisors: cleaning and building service workers	Total	124	124	-	-	-	-	-
	Female	18	18	-	-	-	-	-
449 Maids and housemen	Total	519	483	36	-	-	-	36
	Female	344	326	18	-	-	-	18
453 Janitors and cleaners	Total	86.3	82.8	3.5	-	-	-	3.5
	Female	2,360	2,316	44	18	-	-	26
454 Elevator operators	Total	100.0	98.1	1.9	0.8	-	-	1.1
	Female	304	295	9	9	-	-	-
455 Pest control occupations	Total	12.9	12.5	0.4	-	-	-	-
	Female	19	19	-	-	-	-	-
456 Supervisors: personal service occupations	Total	100.0	100.0	-	-	-	-	-
	Female	12	12	-	-	-	-	-
457 Barbers	Total	15	15	-	-	-	-	-
	Female	100.0	100.0	-	-	-	-	-
458 Hairdressers and cosmetologists	Total	153	153	-	-	-	-	-
	Female	9	9	-	-	-	-	-
459 Attendants, amusement and recreation facilities	Total	772	772	-	-	-	-	-
	Female	565	565	-	-	-	-	-
463 Guides	Total	73.2	73.2	-	-	-	-	-
	Female	84	84	-	-	-	-	-
464 Ushers	Total	100.0	100.0	-	-	-	-	-
	Female	13	13	-	-	-	-	-
	Total	15.5	15.5	-	-	-	-	-
	Female	16	16	-	-	-	-	-
	Total	100.0	100.0	-	-	-	-	-
	Female	13	13	-	-	-	-	-
	Total	81.2	81.2	-	-	-	-	-
	Female	21	21	-	-	-	-	-
	Total	100.0	100.0	-	-	-	-	-
	Female	-	-	-	-	-	-	-



Table 3A (continued)

U.S. Department of Labor  
 Equal Employment Indicators  
 Detailed Occupations by Sex and Race/Ethnicity (a)

Lawrence-Haverhill, MA-NH  
 SMSA

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	-	-	-	-	-	-
	Female %	100.0	100.0	5	-	-	-	2.8
466 Baggage porters and bellhops	Total	56	-	-	-	-	-	-
	Female %	70.9	70.9	5	-	-	-	2.8
467 Welfare service aides	Total	10	10	10.1	4	-	-	47
	Female %	100.0	100.0	10.1	0.8	-	-	9.3
468 Child care workers, except private household	Total	178	173	5	-	-	-	-
	Female %	100.0	97.2	2.8	-	-	-	-
469 Personal service occupations, n.e.c.	Total	178	173	5	-	-	-	-
	Female %	100.0	97.2	2.8	-	-	-	-
Farming, Forestry, and Fishing Occupations: 473 Farmers, except horticultural	Total	506	455	51	4	-	-	-
	Female %	100.0	89.9	10.1	0.8	-	-	-
474 Horticultural specialty farmers	Total	471	420	51	4	-	-	-
	Female %	93.1	83.0	10.1	0.8	-	-	-
475 Managers: farms, except horticultural	Total	305	305	-	-	-	-	-
	Female %	100.0	100.0	-	-	-	-	-
476 Managers: horticultural specialty farms	Total	279	279	-	-	-	-	-
	Female %	91.5	91.5	-	-	-	-	-
477 Supervisors: farm workers	Total	122	122	-	-	-	-	-
	Female %	100.0	100.0	-	-	-	-	-
479 Farm workers	Total	33	33	-	-	-	-	-
	Female %	27.0	27.0	-	-	-	-	-
475 Managers: farms, except horticultural	Total	15	15	-	-	-	-	-
	Female %	100.0	100.0	-	-	-	-	-
476 Managers: horticultural specialty farms	Total	66	66	-	-	-	-	-
	Female %	100.0	100.0	-	-	-	-	-
477 Supervisors: farm workers	Total	19	19	-	-	-	-	-
	Female %	28.8	28.8	-	-	-	-	-
479 Farm workers	Total	28	28	-	-	-	-	-
	Female %	100.0	100.0	-	-	-	-	-
475 Managers: farms, except horticultural	Total	23	23	-	-	-	-	-
	Female %	100.0	100.0	-	-	-	-	-
476 Managers: horticultural specialty farms	Total	15	15	-	-	-	-	-
	Female %	65.2	65.2	-	-	-	-	-
477 Supervisors: farm workers	Total	181	181	-	-	-	-	-
	Female %	100.0	100.0	-	-	-	-	-
479 Farm workers	Total	36	36	-	-	-	-	-
	Female %	19.9	19.9	-	-	-	-	-

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
Farming, Forestry, and Fishing Occupations (continued):								
483 Marine life cultivation workers	Total %	-	-	-	-	-	-	-
	Female %	-	-	-	-	-	-	-
484 Nursery workers	Total %	22	100.0	22	-	-	-	-
	Female %	13	59.1	13	-	-	-	-
485 Supervisors: related agricultural occupations	Total %	13	100.0	13	-	-	-	-
	Female %	6	46.2	6	-	-	-	-
486 Groundskeepers and gardeners, except farm	Total %	327	307	20	-	-	-	20
	Female %	100.0	93.9	6.1	-	-	-	6.1
487 Animal caretakers, except farm	Total %	20	12	12	-	-	-	8
	Female %	6.1	3.7	3.7	-	-	-	2.4
488 Graders and sorters, agricultural products	Total %	105	105	105	-	-	-	-
	Female %	100.0	100.0	100.0	-	-	-	-
489 Inspectors: agricultural products	Total %	54	54	54	-	-	-	-
	Female %	51.4	51.4	51.4	-	-	-	-
494 Supervisors: forestry and logging workers	Total %	6	6	6	-	-	-	-
	Female %	100.0	100.0	100.0	-	-	-	-
495 Forestry workers, except logging	Total %	6	6	6	-	-	-	-
	Female %	100.0	100.0	100.0	-	-	-	-
496 Timber cutting and logging occupations	Total %	13	13	13	-	-	-	-
	Female %	100.0	100.0	100.0	-	-	-	-
497 Captains and other officers, fishing vessels	Total %	35	35	35	-	-	-	-
	Female %	100.0	100.0	100.0	-	-	-	-
	Total %	14	14	14	-	-	-	-
	Female %	40.0	40.0	40.0	-	-	-	-
	Total %	100.0	100.0	100.0	-	-	-	-
	Female %	-	-	-	-	-	-	-

Table 3A (continued)

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
Farming, Forestry, and Fishing Occupations (continued): 498 Fishers	Total	21	21	-	-	-	-	-	-
	%	100.0	100.0	-	-	-	-	-	-
	Female %	7	7	-	-	-	-	-	-
	Total	33.3	33.3	-	-	-	-	-	-
499 Hunters and trappers	Total	7	7	-	-	-	-	-	-
	%	100.0	100.0	-	-	-	-	-	-
	Female %	-	-	-	-	-	-	-	-
	Total	-	-	-	-	-	-	-	-
Precision Production, Craft, and Repair Occupations:	Total	193	193	-	-	-	-	-	-
	%	100.0	100.0	-	-	-	-	-	-
	Female %	11	11	-	-	-	-	-	-
	Total	1,289	1,289	26	6	13	7	7	7
505 Automobile mechanics, except apprentices	Total	98.0	98.0	2.0	0.5	1.0	0.5	0.5	0.5
	%	100.0	100.0	-	-	-	-	-	-
	Female %	22	22	-	-	-	-	-	-
	Total	1.7	1.7	-	-	-	-	-	-
506 Automobile mechanic apprentices	Total	4	4	-	-	-	-	-	-
	%	100.0	100.0	-	-	-	-	-	-
	Female %	-	-	-	-	-	-	-	-
	Total	-	-	-	-	-	-	-	-
507 Bus, truck, and stationary engine mechanics	Total	67	67	-	-	-	-	-	-
	%	100.0	100.0	-	-	-	-	-	-
	Female %	-	-	-	-	-	-	-	-
	Total	75	75	-	-	-	-	-	-
508 Aircraft engine mechanics	Total	7	7	-	-	-	-	-	-
	%	100.0	100.0	-	-	-	-	-	-
	Female %	9.3	9.3	-	-	-	-	-	-
	Total	24	24	-	-	-	-	-	-
509 Small engine repairers	Total	100.0	100.0	-	-	-	-	-	-
	%	-	-	-	-	-	-	-	-
	Female %	-	-	-	-	-	-	-	-
	Total	357	348	9	9	-	-	9	9
514 Automobile body and related repairers	Total	100.0	97.5	2.5	-	-	-	-	2.5
	%	-	-	-	-	-	-	-	-
	Female %	2.5	2.5	-	-	-	-	-	-
	Total	25	25	-	-	-	-	-	-
515 Aircraft mechanics, except engine	Total	100.0	100.0	-	-	-	-	-	-
	%	-	-	-	-	-	-	-	-
	Female %	-	-	-	-	-	-	-	-
	Total	-	-	-	-	-	-	-	-

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): 516 Heavy equipment mechanics	Total	96	96							
	Female %	100.0	100.0							
517 Farm equipment mechanics	Total	20	20							
	Female %	100.0	100.0							
518 Industrial machinery repairers	Total	784	759	25	7			18		
	Female %	100.0	96.8	3.2	0.9			2.3		
519 Machinery maintenance occupations	Total	6	6							
	Female %	100.0	100.0							
523 Electronic repairers, communications and industrial equipment	Total	231	231							
	Female %	100.0	100.0							
525 Data processing equipment repairers	Total	151	151							
	Female %	100.0	100.0							
526 Household appliance and power tool repairers	Total	26.5	40							
	Female %	77	26.5							
527 Telephone line installers and repairers	Total	77	77							
	Female %	100.0	100.0							
529 Telephone installers and repairers	Total	56	56							
	Female %	100.0	100.0							
533 Miscellaneous electrical and electronic equipment repairers	Total	392	385	7	7					
	Female %	100.0	98.2	1.8	1.8					
534 Heating, air conditioning, and refrigeration mechanics	Total	14.5	14.5							
	Female %	19	19							
	Total	100.0	100.0							
	Female %	8	8							
	Total	42.1	42.1							
	Female %	225	225							
	Total	100.0	100.0							
	Female %	6	6							
		2.7	2.7							

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	Hispanic All Races
Precision Production, Craft, and Repair Occupations (continued): 535 Camera, watch, and musical instrument repairers	Total	85	85	-	-	-	-
	Female %	100.0	100.0	-	-	-	-
536 Locksmiths and safe repairers	Total	19	19	-	-	-	-
	Female %	100.0	100.0	-	-	-	-
538 Office machine repairers	Total	39	39	-	-	-	-
	Female %	100.0	100.0	-	-	-	-
539 Mechanical controls and valve repairers	Total	49	49	-	-	-	-
	Female %	100.0	100.0	-	-	-	-
543 Elevator installers and repairers	Total	13	13	-	-	-	-
	Female %	100.0	100.0	-	-	-	-
544 Millwrights	Total	189	181	8	-	-	8
	Female %	100.0	95.8	4.2	-	-	4.2
547 Specified mechanics and repairers, n.e.c.	Total	63	63	-	-	-	-
	Female %	349	343	6	6	-	-
549 Not specified mechanics and repairers	Total	100.0	98.3	1.7	1.7	-	-
	Female %	60	60	-	-	-	-
Construction trades: 553 Supervisors: brickmasons, stonemasons, and tile setters	Total	17.2	17.2	-	-	-	-
	Female %	243	216	27	-	-	27
554 Supervisors: carpenters and related workers	Total	100.0	88.9	11.1	-	-	11.1
	Female %	43	43	-	-	-	-
555 Supervisors: electricians and power transmission installers	Total	17.7	17.7	-	-	-	-
	Female %	27	27	-	-	-	-
555 Supervisors: electricians and power transmission installers	Total	100.0	100.0	-	-	-	-
	Female %	27	27	-	-	-	-

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
Precision Production, Craft, and Repair Occupations (continued): 556 Supervisors: painters, paperhangers, and plasterers	Total % Female %	9 100.0	-	-	-	-	-	-
557 Supervisors: plumbers, pipefitters, and steamfitters	Total % Female %	17 100.0	-	-	-	-	-	-
558 Supervisors: n.e.c.	Total % Female %	729 100.0	719 98.6	10 1.4	-	6 0.8	4 0.5	-
563 Brickmasons and stonemasons, excluding apprentices	Total % Female %	183 100.0	-	-	-	-	-	-
564 Brickmason and stonemason apprentices	Total % Female %	12 100.0	-	-	-	-	-	-
565 Tile setters, hard and soft	Total % Female %	20 100.0	20 100.0	-	-	-	-	-
566 Carpet installers	Total % Female %	8 40.0	8 40.0	-	-	-	-	-
567 Carpenters, exc. apprentices	Total % Female %	75 100.0	75 100.0	-	-	-	-	-
569 Carpenter apprentices	Total % Female %	1,557 100.0	1,523 97.8	34 2.2	-	6 0.4	28 1.8	-
573 Drywall installers	Total % Female %	18 1.2	18 100.0	-	-	-	-	-
575 Electricians, exc. apprentices	Total % Female %	9 100.0	9 100.0	-	-	-	-	-
	Total % Female %	4 44.4	4 44.4	-	-	-	-	-
	Total % Female %	80 100.0	80 100.0	-	-	-	-	-
	Total % Female %	8 10.0	8 100.0	-	-	-	-	-
	Total % Female %	664 100.0	657 98.9	7 1.1	-	-	-	-

Table 3A (continued)

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): 576 Electrician apprentices	Total % 47 100.0	42 89.4	5 10.6	5 10.6	-	-	-	-
577 Electrical power installers and repairers	Total % 112 100.0	99 88.4	13 11.6	13 11.6	-	-	-	-
579 Painters, construction and maintenance	Total % 519 100.0	388 74.8	131 25.2	5 1.0	-	-	-	126 24.3
583 Paperhangers	Total % 18 100.0	17 94.4	1 5.6	1 5.6	-	-	-	7 1.3
584 Plasterers	Total % 31 100.0	31 100.0	-	-	-	-	-	-
585 Plumbers, pipefitters, and steamfitters, exc. apprentices	Total % 588 100.0	577 98.1	11 1.9	6 1.0	-	-	-	5 0.9
587 Plumber, pipefitter, and steamfitter apprentices	Total % 13 100.0	13 100.0	-	-	-	-	-	-
588 Concrete and terrazzo finishers	Total % 5 100.0	5 100.0	-	-	-	-	-	-
589 Glaziers	Total % 21 100.0	21 100.0	-	-	-	-	-	-
593 Insulation workers	Total % 19 100.0	19 100.0	-	-	-	-	-	-
594 Paving, surfacing, and tamping equipment operators	Total % - -	-	-	-	-	-	-	-

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		
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 %	-	-	-	-	-	-	-	-	-
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	13 0.4
	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	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	259 100.0	-	-	-	-	-
	Female %	-	-	-	-	-	-	-
635 Tool and die maker apprentices	Total	17 100.0	17 100.0	-	-	-	-	-
	Female %	-	-	-	-	-	-	-
636 Precision assemblers, metal	Total	16 100.0	16 100.0	-	-	-	-	-
	Female %	-	-	-	-	-	-	-
637 Machinists, except apprentices	Total	1,134 100.0	1,134 93.4	80 6.6	23 1.9	-	-	57 4.7
	Female %	70 5.8	47 3.9	23 1.9	-	-	-	23 1.9
639 Machinist apprentices	Total	5 100.0	5 100.0	-	-	-	-	-
	Female %	-	-	-	-	-	-	-
643 Boilermakers	Total	31 100.0	31 100.0	-	-	-	-	-
	Female %	-	-	-	-	-	-	-
644 Precision grinders, fitters, and tool sharpeners	Total	16 100.0	6 37.5	10 62.5	-	-	-	10 62.5
	Female %	-	-	-	-	-	-	-
645 Patternmakers and model makers, metal	Total	37 100.0	37 100.0	-	-	-	-	-
	Female %	-	-	-	-	-	-	-
646 Lay-out workers	Total	123 100.0	118 95.9	5 4.1	-	5 4.1	-	-
	Female %	50 40.7	50 40.7	-	-	-	-	-
647 Precious stones and metals workers (Jewelers)	Total	178 100.0	172 96.6	6 3.4	-	-	-	6 3.4
	Female %	69 38.8	63 35.4	6 3.4	-	-	-	6 3.4
649 Engravers, metal	Total	13 100.0	7 53.8	6 46.2	-	-	-	-
	Female %	7 53.8	7 53.8	-	-	-	-	-

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		
Precision Production, Craft, and Repair Occupations (continued):										
653 Sheet metal workers	Total % Female	237 100.0 13	227 95.8 13	10 4.2	-	-	-	-	10 4.2	-
654 Sheet metal worker apprentices	Total % Female	5.5 100.0	5.5	-	-	-	-	-	-	-
655 Miscellaneous precision metal workers	Total % Female	6 100.0 6	6 100.0 6	-	-	-	-	-	-	-
656 Patternmakers and model makers, wood	Total % Female	17 100.0	17 100.0	-	-	-	-	-	-	-
657 Cabinet makers and bench carpenters	Total % Female	74 100.0	74 100.0	-	-	-	-	-	-	-
658 Furniture and wood finishers	Total % Female	18 100.0	18 100.0	-	-	-	-	-	-	-
659 Miscellaneous precision woodworkers	Total % Female	6 100.0	6 100.0	-	-	-	-	-	-	-
666 Dressmakers	Total % Female	78 100.0 78	70 89.7 70	8 10.3	-	-	-	-	8 10.3	-
667 Tailors	Total % Female	129 100.0 44	121 93.8 44	8 6.2	-	-	-	-	8 6.2	-
668 Upholsterers	Total % Female	34.1 126 100.0 13	34.1 126 100.0 13	-	-	-	-	-	-	-
669 Shoe repairers	Total % Female	271 100.0 90	190 70.1 59	81 29.9 31	-	-	-	-	81 29.9 31	-
		33.2	21.8	11.4	-	-	-	-	11.4	-

Data from Census Bureau sample estimates (b)

Detailed Occupations by 1980 Census Occupation Code (c)	Universes: 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	7	-	-	-	-	-
	Female -	-	-	-	-	-	-	-
674 Miscellaneous precision apparel and fabric workers	Total 7 100.0	7 100.0	7	-	-	-	-	-
	Female -	-	-	-	-	-	-	-
675 Hand molders and shapers, except jewelers	Total 52 100.0	52 100.0	52	-	-	-	-	-
	Female 9 17.3	9 17.3	9	-	-	-	-	-
676 Patternmakers, lay-out workers, and cutters	Total 11 100.0	11 100.0	11	-	-	-	-	-
	Female -	-	-	-	-	-	-	-
677 Optical goods workers	Total 46 100.0	46 100.0	46	-	-	-	-	-
	Female 21 45.7	21 45.7	21	-	-	-	-	-
678 Dental laboratory and medical appliance technicians	Total 54 100.0	54 100.0	54	-	-	-	-	-
	Female 11 20.4	11 20.4	11	-	-	-	-	-
679 Bookbinders	Total 23 100.0	23 100.0	23	-	-	-	-	-
	Female 5 21.7	5 21.7	5	-	-	-	-	-
683 Electrical and electronic equipment assemblers	Total 643 100.0	582 90.5	61	11	10	5	35	5.4
	Female 471 73.3	430 66.9	41	5	5	5	26	4.0
684 Miscellaneous precision workers, n.e.c.	Total 35 100.0	35 100.0	35	0.8	0.8	0.8	-	-
	Female 5 14.3	5 14.3	5	-	-	-	-	-
686 Butchers and meat cutters	Total 288 100.0	278 96.5	10	-	-	-	-	-
	Female 8 2.8	8 2.8	8	-	-	-	-	-
687 Bakers	Total 199 100.0	199 100.0	199	-	-	-	-	-
	Female 56 28.1	56 28.1	56	-	-	-	-	-

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 - Liverhill, 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): 688 Food batchmakers	Total	21	16	5	-	-	-	5
	%	100.0	76.2	23.8	-	-	-	23.8
	Female	10	10	-	-	-	-	-
689 Inspectors, testers, and graders	Total	47.6	85.5	47	11	12	-	24
	%	100.0	94.8	5.2	1.2	1.3	-	2.7
	Female	45.0	41.6	3.4	5	5	-	2.4
693 Adjusters and calibrators	Total	49.9	46.1	3.8	0.6	0.6	-	2.7
	%	100.0	100.0	-	-	-	-	-
	Female	14	6	-	-	-	-	-
694 Water and sewage treatment plant operators	Total	42.9	42.9	-	-	-	-	-
	%	100.0	100.0	-	-	-	-	-
	Female	32	32	-	-	-	-	-
695 Power plant operators	Total	-	-	-	-	-	-	-
	%	100.0	-	-	-	-	-	-
	Female	-	-	-	-	-	-	-
696 Stationary engineers	Total	184	178	6	-	-	-	6
	%	100.0	96.7	3.3	-	-	-	3.3
	Female	6	6	-	-	-	-	-
699 Miscellaneous plant and system operators	Total	3.3	3.3	-	-	-	-	-
	%	100.0	100.0	-	-	-	-	-
	Female	16	16	-	-	-	-	-
Machine Operators, Assemblers, and Inspectors: 703 Lathe and turning machine set-up operators	Total	96	96	-	-	-	-	-
	%	100.0	100.0	-	-	-	-	-
	Female	-	-	-	-	-	-	-
704 Lathe and turning machine operators	Total	162	162	-	-	-	-	-
	%	100.0	100.0	-	-	-	-	-
	Female	35	35	-	-	-	-	-
705 Milling and planing machine operators	Total	21.6	21.6	-	-	-	-	-
	%	100.0	100.0	-	-	-	-	-
	Female	16	16	-	-	-	-	-
706 Punching and stamping press machine operators	Total	159	159	-	-	-	-	-
	%	100.0	100.0	-	-	-	-	-
	Female	41	41	-	-	-	-	-
		25.8	25.8	-	-	-	-	-

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

Detailed Occupations by  
1980 Census Occupation Code (c)

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
Machine Operators, Assemblers, and Inspectors (continued):								
707 Rolling machine operators	Total 13 100.0	13 100.0	-	-	-	-	-	-
	Female 7	7	-	-	-	-	-	-
	53.8	53.8	-	-	-	-	-	-
708 Drilling and boring machine operators	Total 56 100.0	50 89.3	6 10.7	6	-	-	-	-
	Female 7	7	-	-	-	-	-	-
	12.5	12.5	-	-	-	-	-	-
709 Grinding, abrading, buffing, and polishing machine operators	Total 316 100.0	310 98.1	6 1.9	6	-	-	-	6
	Female 92	92	-	-	-	-	-	1.9
	29.1	29.1	-	-	-	-	-	-
713 Forging machine operators	Total 5 100.0	5 100.0	-	-	-	-	-	-
	Female -	-	-	-	-	-	-	-
714 Numerical control machine operators	Total -	-	-	-	-	-	-	-
	Female -	-	-	-	-	-	-	-
715 Miscellaneous metal, plastic, stone, and glass working machine operators	Total 36 100.0	36 100.0	-	-	-	-	-	-
	Female 14	14	-	-	-	-	-	-
	38.9	38.9	-	-	-	-	-	-
717 Fabricating machine operators, n.e.c.	Total 65 100.0	65 100.0	-	-	-	-	-	-
	Female 36	36	-	-	-	-	-	-
	55.4	55.4	-	-	-	-	-	-
719 Molding and casting machine operators	Total 134 100.0	102 76.1	32 23.9	32	-	-	-	32
	Female 50	44	6	6	-	-	-	23.9
	37.3	32.8	4.5	4.5	-	-	-	6
723 Metal plating machine operators	Total 252 100.0	234 92.9	18 7.1	18	7	-	-	4.5
	Female 62	62	-	-	-	-	-	11
	24.6	24.6	-	-	-	-	-	4.4
724 Heat treating equipment operators	Total 9 100.0	9 100.0	-	-	-	-	-	-
	Female -	-	-	-	-	-	-	-
725 Miscellaneous metal and plastic processing machine operators	Total 17 100.0	17 100.0	-	-	-	-	-	-
	Female 5	5	-	-	-	-	-	-
	29.4	29.4	-	-	-	-	-	-

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
Machine Operators, Assemblers, and Inspectors (continued):								
726 Wood lathe, routing, and planing machine operators	Total 100.0	-	-	-	-	-	-	-
727 Sawing machine operators	Total 100.0	35	9	-	-	-	-	9 20.5
728 Shaping and joining machine operators	Total 100.0	79.5	20.5	-	-	-	-	-
729 Nailing and tacking machine operators	Total 100.0	6	6	-	-	-	-	-
733 Miscellaneous woodworking machine operators	Total 100.0	13.6	14	-	-	-	-	-
734 Printing machine operators	Total 100.0	100.0	49	-	-	-	-	-
735 Photoengravers and lithographers	Total 100.0	100.0	100.0	-	-	-	-	-
736 Typesetters and compositors	Total 100.0	6	6	-	-	-	-	-
737 Miscellaneous printing machine operators	Total 100.0	381	10	-	-	-	-	10 2.6
738 Winding and twisting machine operators	Total 100.0	97.4	2.6	-	-	-	-	-
739 Knitting, looping, taping, and weaving machine operators	Total 100.0	35	35	-	-	-	-	-
	Total 100.0	9.0	9.0	-	-	-	-	-
	Total 100.0	6	6	-	-	-	-	-
	Total 100.0	100.0	100.0	-	-	-	-	-
	Total 100.0	60	60	-	-	-	-	-
	Total 100.0	25	25	-	-	-	-	-
	Total 100.0	41.7	41.7	-	-	-	-	-
	Total 100.0	33	33	-	-	-	-	-
	Total 100.0	69.7	30.3	-	-	-	-	10 30.3
	Total 100.0	10	10	-	-	-	-	-
	Total 100.0	30.3	30.3	-	-	-	-	-
	Total 100.0	52	52	-	-	-	-	-
	Total 100.0	42	42	-	-	-	-	-
	Total 100.0	80.8	80.8	-	-	-	-	-
	Total 100.0	52	52	-	-	-	-	-
	Total 100.0	20	20	-	-	-	-	-
	Total 100.0	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 54.5	6 54.5	-	-	-	-	-	-
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 92.0	771 75.6	167 16.4	18 1.8	32 3.1	-	-	117 11.5
745 Shoe machine operators	Total 1,250 100.0	943 75.4	307 24.6	7 0.6	-	-	-	300 24.0
	Female 911 72.9	749 59.9	162 13.0	-	-	-	-	162 13.0
747 Pressing machine operators	Total 269 100.0	224 83.3	45 16.7	-	-	-	-	45 16.7
	Female 119 44.2	113 42.0	6 2.2	-	-	-	-	6 2.2
748 Laundering and dry cleaning machine operators	Total 227 100.0	213 93.8	14 6.2	-	-	-	-	14 6.2
	Female 118 52.0	104 45.8	14 6.2	-	-	-	-	14 6.2
749 Miscellaneous textile machine operators	Total 610 100.0	437 71.6	173 28.4	21 3.4	8 1.3	-	-	144 23.6
	Female 122 20.0	122 20.0	-	-	-	-	-	-
753 Cementing and gluing machine operators	Total 84 100.0	75 89.3	9 10.7	-	-	-	-	9 10.7
	Female 42 50.0	33 39.3	9 10.7	-	-	-	-	9 10.7
754 Packaging and filling machine operators	Total 107 100.0	83 77.6	24 22.4	-	-	-	-	24 22.4
	Female 64 59.8	56 52.3	8 7.5	-	-	-	-	8 7.5
755 Extruding and forming machine operators	Total 69 100.0	69 100.0	-	-	-	-	-	-
	Female -	-	-	-	-	-	-	-
756 Mixing and blending machine operators	Total 302 100.0	280 92.7	22 7.3	6 2.0	-	-	-	16 5.3
	Female 55 18.2	47 15.6	8 2.6	-	-	-	-	8 2.6
757 Separating, filtering, and clarifying machine operators	Total 84 100.0	60 71.4	24 28.6	-	9 10.7	-	-	15 17.9
	Female -	-	-	-	-	-	-	-

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 - RH  
SMSA

Data from Census Bureau sample estimates (b)

Detailed Occupations by 1980 Census Occupation Code (c)	Universe: Civilian Labor Force (e)							Hispanic All Races
	Total	White Not Hispanic	Total Minority (d)	Black Not Hispanic	Asian/Pi Not Hispanic	Native American Not Hispanic	Remaining Races Not Hispanic	
Machine Operators, Assemblers, and Inspectors (continued): 758 Compressing and compacting machine operators	Total	57	—	—	—	—	—	—
	Female	100.0	100.0	—	—	—	—	—
	Total	49.1	28	—	—	—	—	—
	Female	100.0	100.0	—	—	—	—	—
759 Painting and paint spraying machine operators	Total	231	231	—	—	—	—	—
	Female	79	79	—	—	—	—	—
763 Roasting and baking machine operators, food	Total	34.2	34.2	—	—	—	—	—
	Female	100.0	—	—	—	—	—	—
764 Washing, cleaning, and pickling machine operators	Total	—	—	—	—	—	—	—
	Female	100.0	—	—	—	—	—	—
765 Folding machine operators	Total	21	14	7	—	—	—	7
	Female	100.0	66.7	33.3	—	—	—	33.3
766 Furnace, kiln, and oven operators, except food	Total	66.7	7	33.3	—	—	—	33.3
	Female	100.0	86.0	13.4	—	—	—	13.4
768 Crushing and grinding machine operators	Total	10.7	6.2	4.5	—	—	—	4.5
	Female	100.0	100.0	—	—	—	—	—
769 Slicing and cutting machine operators	Total	465	439	26	—	—	—	26
	Female	100.0	94.4	5.6	—	—	—	5.6
773 Motion picture projectionists	Total	173	156	17	—	—	—	17
	Female	37.2	33.5	3.7	—	—	—	3.7
774 Photographic process machine operators	Total	18	18	—	—	—	—	—
	Female	100.0	100.0	—	—	—	—	—
	Total	133	124	9	—	—	—	9
	Female	100.0	93.2	6.8	—	—	—	6.8
	Female	65	65	—	—	—	—	—
	Total	48.9	48.9	—	—	—	—	—



**Table 3A (continued)**  
**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
Machine Operators, Assemblers, and Inspectors (continued):	Total	1,200	1,123	77	11	—	5	61
	%	100.0	93.6	6.4	0.9	—	0.4	5.1
	Female	595	549	46	11	—	—	35
	%	49.6	45.7	3.8	0.9	—	—	2.9
Miscellaneous and not specified machine operators by occupation: 777 Miscellaneous machine operators, n.e.c.	Total	3,130	2,616	514	62	45	—	399
	%	100.0	83.6	16.4	2.0	1.4	—	12.7
	Female	1,233	1,079	154	19	22	—	113
	%	39.4	34.5	4.9	0.6	0.7	—	3.6
Miscellaneous and not specified machine operators, by industry (g): Manufacturing	Total	1,392	1,139	253	22	—	—	231
	%	100.0	81.8	18.2	1.6	—	—	16.6
	Female	393	352	41	—	—	—	41
	%	28.2	25.3	2.9	—	—	—	2.9
Nondurable goods	Total	2,718	2,414	304	44	45	5	210
	%	100.0	88.8	11.2	1.8	1.7	0.2	7.7
	Female	1,354	1,195	159	30	22	—	107
	%	49.8	40.0	5.8	1.7	0.8	—	3.9
Durable goods	Total	220	186	34	7	—	—	19
	%	100.0	84.5	15.5	3.2	—	—	8.6
	Female	81	81	—	—	—	—	—
	%	36.8	36.8	—	—	—	—	—
Nonmanufacturing industries	Total	636	598	38	5	—	—	33
	%	100.0	94.0	6.0	0.8	—	—	5.2
	Female	76	69	7	—	—	—	7
	%	11.9	10.8	1.1	—	—	—	1.1
783 Welders and cutters	Total	461	384	77	12	6	5	54
	%	100.0	83.3	16.7	2.6	1.3	1.1	11.7
	Female	419	342	77	12	6	5	54
	%	90.9	74.2	16.7	2.6	1.3	1.1	11.7
784 Solderers and brazers	Total	4,720	4,349	371	80	38	12	241
	%	100.0	92.1	7.9	1.7	0.8	0.3	5.1
	Female	2,908	2,728	180	41	38	6	95
	%	61.6	57.8	3.8	0.9	0.8	0.1	2.0
785 Assemblers	Total	5	5	—	—	—	—	—
	%	100.0	100.0	—	—	—	—	—
	Female	5	5	—	—	—	—	—
	%	100.0	100.0	—	—	—	—	—
786 Hand cutting and trimming occupations	Total	15	15	—	—	—	—	—
	%	100.0	100.0	—	—	—	—	—
	Female	6	6	—	—	—	—	—
	%	40.0	40.0	—	—	—	—	—
787 Hand molding, casting, and forming occupations	Total	40.0	40.0	—	—	—	—	—
	%	100.0	100.0	—	—	—	—	—
	Female	6	6	—	—	—	—	—
	%	15.0	15.0	—	—	—	—	—

Table 3A (continued)

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

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):								
789 Hand painting, coating, and decorating occupations	Total % Female	40 65.6 24	21 34.4	-	-	-	-	21 34.4
793 Hand engraving and printing occupations	Total % Female	-	-	-	-	-	-	-
794 Hand grinding and polishing occupations	Total % Female	-	-	-	-	-	-	-
795 Miscellaneous hand working occupations	Total % Female	75 94.7 46	4 5.3 4	-	-	-	-	4 5.3 4
796 Production inspectors, checkers, and examiners	Total % Female	2,095 100.0 1,381	166 7.9 88	27 1.3 19	-	9 0.4 0.4	-	130 6.2 60 2.9
797 Production testers	Total % Female	457 100.0 172	436 95.4 166	21 4.6 6	6 1.3 6	-	-	15 3.3
798 Production samplers and weighers	Total % Female	11 100.0 7	11 100.0 7	-	-	-	-	-
799 Graders and sorters, except agricultural	Total % Female	133 100.0 60	127 95.5 60	6 4.5	6 4.5	-	-	-
803 Supervisors, motor vehicle operators	Total % Female	31 100.0 7	31 100.0 7	-	-	-	-	-
804 Truck drivers, heavy	Total % Female	22.6 1,597 100.0	22.6 1,556 97.4	41 2.6	6 0.4	6 0.4	-	29 1.8
805 Truck drivers, light	Total % Female	30 747 100.0	30 747 100.0	-	-	-	-	-
Transportation and Material Moving Occupations:								
803 Supervisors, motor vehicle operators	Total % Female	31 100.0 7	31 100.0 7	-	-	-	-	-
804 Truck drivers, heavy	Total % Female	22.6 1,597 100.0	22.6 1,556 97.4	41 2.6	6 0.4	6 0.4	-	29 1.8
805 Truck drivers, light	Total % Female	30 747 100.0	30 747 100.0	-	-	-	-	-

Table 3A (continued)

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
Transportation and Material Moving Occupations (continued):								
806 Driver-sales workers	Total 207 100.0	207 100.0	-	-	-	-	-	-
	Female 3.4	7 3.4	-	-	-	-	-	-
808 Bus drivers	Total 343 100.0	332 96.8	11 3.2	11 3.2	-	-	-	-
	Female 257 74.9	246 71.7	11 3.2	11 3.2	-	-	-	-
809 Taxicab drivers and chauffeurs	Total 192 100.0	192 100.0	-	-	-	-	-	-
	Female -	-	-	-	-	-	-	-
813 Parking lot attendants	Total 45 100.0	45 100.0	-	-	-	-	-	-
	Female -	-	-	-	-	-	-	-
814 Motor transportation occupations, n.e.c.	Total 100.0	-	-	-	-	-	-	-
	Female -	-	-	-	-	-	-	-
823 Railroad conductors and yardmasters	Total 11 100.0	11 100.0	-	-	-	-	-	-
	Female -	-	-	-	-	-	-	-
824 Locomotive operating occupations	Total 4 100.0	4 100.0	-	-	-	-	-	-
	Female -	-	-	-	-	-	-	-
825 Railroad brake, signal, and switch operators	Total 100.0	-	-	-	-	-	-	-
	Female -	-	-	-	-	-	-	-
826 Rail vehicle operators, n.e.c.	Total 13 100.0	13 100.0	-	-	-	-	-	-
	Female -	-	-	-	-	-	-	-
828 Ship captains and mates, except fishing boats	Total 4 100.0	4 100.0	-	-	-	-	-	-
	Female -	-	-	-	-	-	-	-
829 Sailors and deckhands	Total 7 100.0	7 100.0	-	-	-	-	-	-
	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
Transportation and Material Moving Occupations (continued):								
833 Marine engineers	Total % 100.0	-	-	-	-	-	-	-
	Female %	-	-	-	-	-	-	-
834 Bridge, lock, and lighthouse tenders	Total % 100.0	-	-	-	-	-	-	-
	Female %	-	-	-	-	-	-	-
843 Supervisors: material moving equipment operators	Total % 100.0	43 100.0	43 100.0	-	-	-	-	-
	Female %	-	-	-	-	-	-	-
844 Operating engineers	Total % 100.0	216 97.3	6 2.7	-	-	6 2.7	-	-
	Female %	-	-	-	-	-	-	-
845 Longshore equipment operators	Total % 100.0	-	-	-	-	-	-	-
	Female %	-	-	-	-	-	-	-
848 Hoist and winch operators	Total % 100.0	4	4	100.0	-	-	-	-
	Female %	-	-	-	-	-	-	-
849 Crane and tower operators	Total % 100.0	43 100.0	-	-	-	-	-	-
	Female %	-	-	-	-	-	-	-
853 Excavating and loading machine operators	Total % 100.0	59 100.0	59 100.0	-	-	-	-	-
	Female %	6	6	-	-	-	-	-
855 Grader, dozer, and scraper operators	Total % 100.0	37 100.0	37 100.0	-	-	-	-	-
	Female %	-	-	-	-	-	-	-
856 Industrial truck and tractor equipment operators	Total % 100.0	371 99.1	7 1.9	7 1.9	-	-	-	-
	Female %	5	5	-	-	-	-	-
859 Miscellaneous material moving equipment operators	Total % 100.0	400 90.0	40 10.0	40 10.0	-	-	-	40 10.0
	Female %	96 24.0	92 23.0	4 1.0	-	-	-	4 1.0

**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
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	8	8	6	-	-	-	6
	Female %	100.0	100.0	75.0	-	-	-	75.0
875 Garbage collectors	Total	90	80	10	-	-	-	10
	Female %	100.0	88.9	11.1	-	-	-	11.1
876 Stevedores	Total	7	7	-	-	-	-	-
	Female %	100.0	100.0	-	-	-	-	-
877 Stock handlers and baggers	Total	1,239	1,221	18	-	-	9	9
	Female %	100.0	98.5	1.5	-	-	0.7	0.7
878 Machine feeders and offbearers	Total	216	216	17	-	-	-	17
	Female %	100.0	100.0	7.9	-	-	-	7.9

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)

		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>										
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	10.4	10.4	-	-	-	-	-	-	-
	Female	100.0	100.0	-	-	-	-	-	-	-
887 Vehicle washers and equipment cleaners	Total	20	20	-	-	-	-	-	-	-
	Female	53	53	-	-	-	-	-	-	-
888 Hand packers and packagers	Total	169	130	39	-	7	-	-	-	32
	Female	100.0	76.9	23.1	-	4.1	-	-	-	18.9
889 Laborers, except construction	Total	12	12	-	-	-	-	-	-	-
	Female	7.1	7.1	-	-	-	-	-	-	-
Laborers, exc. constr., by industry (h) Manufacturing: Nondurable goods	Total	1,235	1,049	186	24	-	-	6	-	156
	Female	100.0	84.9	15.1	1.9	-	-	0.5	-	12.6
Manufacturing: Durable goods	Total	842	715	127	10	-	-	6	-	111
	Female	68.2	57.9	10.3	0.8	-	-	0.5	-	9.0
Transportation, communications, and other public utilities	Total	1,236	1,153	83	-	-	-	14	-	69
	Female	100.0	93.3	6.7	-	-	-	1.1	-	5.6
Wholesale and retail trade	Total	160	154	6	-	-	-	-	-	6
	Female	12.9	12.5	0.5	-	-	-	-	-	0.5
All other industries	Total	272	232	40	-	-	-	-	-	40
	Female	100.0	85.3	14.7	-	-	-	-	-	14.7
919 Unemployed, No Civilian Work Experience Since 1975	Total	48	48	-	-	-	-	-	-	-
	Female	203	184	19	-	-	-	7	-	12
Unemployed, No Civilian Work Experience Since 1975	Total	100.0	90.6	9.4	-	-	-	3.4	-	5.9
	Female	32	32	-	-	-	-	-	-	-
Unemployed, No Civilian Work Experience Since 1975	Total	158	145	13	-	-	-	7	-	11
	Female	100.0	95.4	4.6	-	-	-	4.6	-	4.0
Unemployed, No Civilian Work Experience Since 1975	Total	-	-	-	-	-	-	-	-	-
	Female	-	-	-	-	-	-	-	-	-
Unemployed, No Civilian Work Experience Since 1975	Total	336	330	6	-	-	-	-	-	6
	Female	100.0	98.2	1.8	-	-	-	-	-	1.8
Unemployed, No Civilian Work Experience Since 1975	Total	25	19	6	-	-	-	-	-	6
	Female	7.4	5.7	1.8	-	-	-	-	-	1.8
Unemployed, No Civilian Work Experience Since 1975	Total	272	261	11	-	-	-	-	-	11
	Female	100.0	96.0	4.0	-	-	-	-	-	4.0
Unemployed, No Civilian Work Experience Since 1975	Total	55	55	-	-	-	-	-	-	-
	Female	20.2	20.2	-	-	-	-	-	-	-
Unemployed, No Civilian Work Experience Since 1975	Total	718	570	148	-	8	-	-	-	140
	Female	100.0	79.4	20.6	-	1.1	-	-	-	19.5
Unemployed, No Civilian Work Experience Since 1975	Total	377	310	67	-	-	-	-	-	67
	Female	52.5	43.2	9.3	-	-	-	-	-	9.3

Technical Footnotes to Table 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. Therefore, totals may not add horizontally or vertically because of internal problems in the data processing at Lawrence Berkeley.

Table 4 Occupations of Applicants, by Sex and Minority Status  
Job Service Offices, Division of Employment Security

Area: Lawrence-Haverhill SMSA  
Year: March 1983

Major Occupational Category	S E X				Minority Status <u>1/</u>	
	Both Sexes		Female		Number	Pct.
	Number	Pct.	Number	Pct.		
TOTAL APPLICANTS	5,695	100.0	2,200	100.0	1,039	100.0
<u>2/</u> Professional	743	13.1	274	12.4	32	3.1
Clerical and Sales	992	17.4	701	31.9	72	6.9
Services	465	8.2	173	7.9	72	6.9
Agric., Fishery, Forestry	69	1.2	6	0.3	8	0.8
Processing Occupations	162	2.9	22	1.0	37	3.6
Machine Trades	623	10.9	104	4.7	172	16.6
Benchwork Occupations	1,323	23.2	742	33.7	393	37.8
Structural Work	606	10.6	26	1.2	49	4.7
Miscellaneous	702	12.3	146	6.6	199	19.1
INA	10	0.2	6	0.3	5	0.5

Source: Commonwealth of Massachusetts, Division of Employment Security  
ESARS Table 96 Report MA 5-32

1/ Minority Status includes: Blacks, Hispanics and all other races. Excludes White.

2/ Includes technicians



Table 4A Occupations of Applicants in The Active File in Job-Service Offices by Selected Characteristics  
 Area: Lawrence-Haverhill SMSA  
 Year: March 1983

Selected Occupational Group	APPLICANT CHARACTERISTICS						MINORITY
	ALL	FEMALE	AGE			VETERAN	
			Under 22	45 and Over			
<u>ALL OCCUPATIONS</u>	5,695	2,200	2,680	1,139	1,070	1,039	
<u>PROFESSIONAL, TECHNICAL AND MANAGERIAL WORK</u>	743	274	316	200	202	32	
Electronics Technician	20	3	15	4	3	0	
Mechanical Engineer	9	0	2	4	3	0	
Counselor	10	5	5	1	2	1	
Accountant Manager	21	8	9	4	9	0	
Purchasing Agent	16	3	2	6	8	1	
Sales Manager	17	2	3	6	7	0	
Public-Relations Representative	11	7	7	1	1	1	
Administrative Assistant	25	18	15	2	2	0	
Office Manager	17	15	8	4	2	0	
Retail Store Manager	15	3	8	2	3	1	
Food Service Manager	13	0	7	3	4	0	
<u>CLERICAL AND SALES WORK</u>	1,044	722	589	219	131	72	
General Office Clerk	204	200	89	44	6	11	
Secretary	61	61	26	10	1	2	
Clerk-Typist	27	26	12	4	0	1	
File Clerk	9	7	1	3	1	1	
Mail Clerk	9	6	2	5	2	0	
Clerical Checker	18	17	6	3	1	0	
Bookkeeper	27	27	10	9	0	0	
Cashier	18	18	7	5	0	1	
General Teller	12	11	4	0	0	2	
Computer Operator	13	6	9	1	2	0	
Accounting Clerk	20	18	9	3	1	0	
Administrative Clerk	19	18	7	2	1	3	
Stock Clerk	24	6	11	6	10	2	
Receptionist	21	21	14	12	1	2	
General Merchandise Salespersons	11	5	4	0	1	2	
Retail Sales Clerks	21	14	6	5	2	0	
Delivery Route Truck Driver	14	1	3	5	5	0	
<u>SERVICES</u>	465	173	184	108	107	72	
Bartender	13	3	4	5	8	0	
Restaurant Cook	19	4	8	4	5	0	
Short Order Cook	9	2	4	1	0	0	
Mess Cook	13	3	7	1	4	1	
Kitchen Helper	25	5	7	2	2	2	
Nurse Aide	31	30	11	6	1	2	

Source: Commonwealth of Massachusetts, Division of Employment Security ESARS Table 96 Report #MA5-62  
 1/ Occupational group with at least 9 Registered Applicants in the Active File  
 2/ NEC - Not elsewhere classified

Table 4A Occupations of Applicants in The Active File in Job Service Offices by Selected Characteristics  
 Area: Lawrence-Haverhill SMSA  
 Year: March 1983

Selected Occupational Group (3-digit DOT Code)	ALL	APPLICANT CHARACTERISTICS					MINORITY
		FEMALE	AGE			VETERAN	
			Under 22	45 and Over			
<b>SERVICES (continued)</b>							
Security Guard	29	1	13	10	20	2	
Merchant Patroller	33	0	14	9	13	5	
Commercial Cleaner	33	6	11	10	8	5	
<b>FARMING, FISHERY, FORESTRY</b>							
Landscape Gardener	18	3	7	3	4	0	
	16	0	9	3	6	0	
<b>MACHINE TRADES</b>							
All-around Machinist	623	104	302	128	128	172	
Production-Machine Tender	48	1	22	8	10	3	
Automobile Mechanic	36	8	19	10	0	16	
Maintenance Mechanic	31	0	21	2	10	4	
Stitcher Standard Machine	25	0	11	6	15	2	
	12	9	5	3	0	8	
<b>BENCH WORK</b>							
Electronics Inspector	1,323	742	711	244	111	393	
Electronics Assembler (Inst. & App.)	16	5	10	3	0	0	
Electronics Assembler (Electronics)	9	6	7	1	1	3	
Electronics Inspector	393	249	235	47	18	140	
Spraygun Painter	10	7	7	1	0	3	
Sewing Machine Operator	13	0	9	1	2	8	
Hand Cementer of Boot and Shoe	28	23	12	6	0	20	
	16	13	7	1	0	11	
<b>STRUCTURAL WORK</b>							
Sheet Metal Worker	606	26	299	92	192	49	
Automobile Body Repairer	19	0	11	1	6	0	
Electrician	18	1	6	1	3	2	
Electronics Mechanic	11	2	7	0	1	1	
Construction Painter	13	1	8	1	10	0	
Heavy Equipment Operator	48	0	22	12	11	2	
Construction Carpenter	15	0	4	5	8	3	
Roofer	69	3	28	17	26	1	
Construction Worker	9	0	5	1	4	0	
Maintenance Repairer Building	78	0	44	7	20	8	
	35	1	13	8	14	5	
<b>MISCELLANEOUS WORK</b>							
Tractor Trailer Truck Driver	702	146	326	111	157	199	
Heavy Truck Driver	46	0	16	12	29	1	
Light Truck Driver	55	0	33	7	27	4	
Hand Packager	26	0	14	3	11	2	
Material Handler	95	70	33	27	3	46	
	262	50	108	32	43	103	

Source: Commonwealth of Massachusetts, Division of Employment Security ESARS Table 96 Report #MA5-62  
 1/ Occupational group with at least 9 Registered Applicants in the Active File  
 2/ NEC - Not elsewhere classified

MASS. MA 20.50/2: L-17/984

THE COMMONWEALTH OF MASSACHUSETTS  
DIVISION OF EMPLOYMENT SECURITY  
Charles F. Hurley Building  
Government Center  
Boston, Massachusetts 02114

GOVERNMENT

COLLECTION

JUL 27 1985

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LABOR MARKET INFORMATION FOR AFFIRMATIVE ACTION PROGRAMS

Lawrence-Haverhill SMSA

1984

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

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Kristin S. Demong, Director, Division of Employment Security  
Marlene Seltzer, Deputy Director, Research and Policy



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.

Major sources of data for this report are:

The 1980 Census - Summary Tape File 1  
The 1980 Census - Summary Tape File 3  
Report 1A, Lawrence Berkeley Laboratory,  
University of California  
Report 2A, Lawrence Berkeley Laboratory  
University of California  
Employment Service Automated Reporting System (ESARS)

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 617-223-1481.

The information contained in this publication is provided to assist employers who are attempting to meet Affirmative Action obligations. This information does not contain all of the specific requirements with which federal contractors must conform in making a required 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.

The Equal Employment Indicators presents Census data which best responds to OFCCP and EEOC regulatory data requirements. The report is based on the Census Bureau's EEO Special File which was released in 1983. Information is available at a fee, for areas with 50,000 or more population from the following sources:

1. The Center for Massachusetts Data  
114 Draper Hall  
University of Massachusetts  
Amherst, Ma 01003  
(413) 545-0176 Lindsay Gillies



2. National Technical Information Series  
Office of Data Base Services  
5285 Port Royal Road  
Springfield, Virginia 22161  
(703) 487-4763 Alan Wenberg

The Lawrence-Haverhill MA-NH PMSA

is comprised of the following cities and towns:

Amesbury, Andover, Boxford, Georgetown, Groveland, Haverhill city, Lawrence city, Merrimac, Methuen, Newbury, Newburyport city, North Andover, Salisbury, and West Newbury in Essex County, Massachusetts and the cities and towns of Atkinson, Brentwood, Danville, Derry, East Kingston, Hampstead, Kingston, Newton, Plaistow, Sandown, Seabrook and Windham in Rockingham county in New Hampshire.

The current Lawrence-Haverhill Massachusetts-New Hampshire SMSA is located in Northeastern Massachusetts and Southeastern New Hampshire. It includes the cities of Lawrence and Haverhill and the towns of Amesbury, Andover, Georgetown, Groveland, Merrimac, Methuen, North Andover, Salisbury and West Newbury in Massachusetts; and the towns of Atkinson, Hampstead, Kingston, Newton, Plaistow, Salem and Windham in New Hampshire.





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 IA Population by Sex and Minority Status

The 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 of one or more whose components contained such suppressions.



Table 4 and 4A Occupations of Job Applicants, by Characteristics  
in Job Service Offices of the Division of Employment Security.

Table 4 Occupations of Applicants by Sex and Minority Status, Job Services Offices, Division of Employment Security details, by broad occupational category, the sex and minority status of the job applicant. Table 4A is an expansion of Table 4 to include, by selected occupational groups, the sex, age (youth and older worker categories) and veteran and minority status of applicants registered with Job Service Offices of the Division of Employment Security.

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	Percent
<b>Population by Race, including</b>						
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
<b>Population by Race, excluding</b>						
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
<b>Spanish Origin, by Race</b>						
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	--	--
	6469	2.29	3023	2.24	3446	2.34
<b>Total Minority Individuals <sup>2/</sup></b>	<b>16084</b>	<b>5.7</b>	<b>7746</b>	<b>5.8</b>	<b>8338</b>	<b>5.7</b>

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

Sex Race/Ethnic Group <u>1/</u>	Labor Force		Employment		Unemployment		Unemployment Rate <u>2/</u>	Labor Force Participation Rate <u>3/</u>
	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 <u>4/</u>	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								
White	76974	100.0	72910	100.0	4064	100.0	5.3	78.2
Minority <u>4/</u>	--	56.35	--	56.18	--	59.69	--	--
Black	74625	96.95	70733	97.01	3892	95.77	5.2	78.1
American Indian, Eskimo, Aleut	4837	6.28	4374	6.00	463	11.39	9.6	79.1
Asian and Pacific Islander	704	0.92	634	0.87	70	1.72	9.9	86.1
Other Races	156	0.20	150	0.21	6	0.15	3.8	86.7
Spanish Origin (of any race)	273	0.35	265	0.36	8	0.20	2.9	82.0
	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								
White	59623	100.0	56878	100.0	2745	100.0	4.6	53.0
Minority <u>4/</u>	--	43.65	--	43.82	--	40.31	--	--
Black	57902	97.11	55317	97.26	2585	94.17	4.5	53.1
American Indian, Eskimo, Aleut	3491	5.85	3148	5.53	343	12.50	9.8	49.2
Asian and Pacific Islander	569	0.95	519	0.91	50	1.82	8.8	68.5
Other Races	64	0.11	59	0.10	5	0.18	7.8	45.4
Spanish Origin (of any race)	248	0.42	240	0.42	8	0.29	3.2	56.0
	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

- 1/ Racial Groups defined in the 1980 Census
- 2/ 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.
- 3/ 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.
- 4/ 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

Equal Employment Indicators  
Summary 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

Lawrence-Haverhill, MA-NH  
SMSA

Data from Census Bureau sample estimates (b)

Summary Occupations (c)

Universe: Total 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>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	84	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

Universe: Male 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>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

Universe: Female 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>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

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
Execu. Administrative, and Managerial occupations: 003 Legislators	Total	19	19	-	-	-	-	-
	Female %	100.0	100.0	-	-	-	-	-
004 Chief executives and general administrators, public administration	Total	73.7	73.7	-	-	-	-	-
	Female %	42	42	-	-	-	-	-
005 Administrators and officials, public administration	Total	16.7	16.7	-	-	-	-	-
	Female %	309	292	17	-	-	-	17
006 Administrators, protective services	Total	81	76	5	-	-	-	5
	Female %	26.2	24.6	1.6	-	-	-	1.6
007 Financial managers	Total	35	29	6	-	-	-	6
	Female %	100.0	82.9	17.1	-	-	-	17.1
008 Personnel and labor relations managers	Total	729	723	6	6	-	-	6
	Female %	100.0	99.2	0.8	0.8	-	-	0.8
009 Purchasing managers	Total	250	244	6	6	-	-	6
	Female %	34.3	33.5	0.8	0.8	-	-	0.8
013 Managers, marketing, advertising, and public relations	Total	365	353	12	12	-	-	12
	Female %	100.0	96.7	3.3	3.3	-	-	3.3
014 Administrators, education and related fields	Total	103	98	5	5	-	-	5
	Female %	28.2	26.8	1.4	1.4	-	-	1.4
015 Managers, medicine and health	Total	97	97	-	-	-	-	-
	Female %	100.0	100.0	-	-	-	-	-
016 Managers, properties and real estate	Total	5	5	-	-	-	-	-
	Female %	5.2	5.2	-	-	-	-	-
017 Managers, marketing, advertising, and public relations	Total	956	943	13	7	6	-	6
	Female %	100.0	98.6	1.4	0.7	0.6	-	0.6
018 Administrators, education and related fields	Total	146	139	7	7	-	-	-
	Female %	15.3	14.5	0.7	0.7	-	-	-
019 Managers, medicine and health	Total	557	517	40	20	20	-	20
	Female %	100.0	92.8	7.2	3.6	3.6	-	3.6
020 Managers, properties and real estate	Total	232	219	13	7	-	-	7
	Female %	41.7	39.3	2.3	1.3	-	-	1.1
021 Managers, medicine and health	Total	121	121	-	-	-	-	-
	Female %	100.0	100.0	-	-	-	-	-
022 Managers, properties and real estate	Total	57	57	-	-	-	-	-
	Female %	47.1	47.1	-	-	-	-	-
023 Managers, properties and real estate	Total	128	123	5	-	-	-	5
	Female %	100.0	96.1	3.9	-	-	-	3.9
024 Managers, properties and real estate	Total	44	44	-	-	-	-	-
	Female %	34.4	34.4	-	-	-	-	-



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		
Executive, Administrative, and Managerial Occupations (continued): 017 Postmasters and mail superintendents	Total	18	18	-	-	-	-	-		
	Female %	100.0	100.0	-	-	-	-	-		
018 Funeral directors	Total	51	51	-	-	-	-	-		
	Female %	100.0	100.0	-	-	-	-	-		
(019) Managers and administrators, n.e.c., salaried	Total	18	18	-	-	-	-	-		
	Female %	35.3	35.3	-	-	-	-	-		
(019) Managers and administrators, n.e.c., self-employed	Total	6,017	5,908	109	30	18	7	54		
	Female %	100.0	98.2	1.8	0.5	0.3	0.1	0.9		
023 Accountants and auditors	Total	1,349	1,333	16	-	-	-	16		
	Female %	22.4	22.2	0.3	-	-	-	0.3		
024 Underwriters	Total	540	540	-	-	-	-	-		
	Female %	100.0	100.0	-	-	-	-	-		
025 Other financial officers	Total	148	148	-	-	-	-	-		
	Female %	27.4	27.4	-	-	-	-	-		
026 Management analysts	Total	1,779	1,774	5	5	18	-	-		
	Female %	100.0	99.7	0.3	0.3	0.3	-	-		
027 Personnel, training, and labor relations specialists	Total	810	805	5	-	-	-	-		
	Female %	45.5	45.3	0.3	-	-	-	-		
028 Purchasing agents and buyers, farm products	Total	18	18	-	-	-	-	-		
	Female %	100.0	100.0	-	-	-	-	-		
029 Buyers, wholesale and retail trade except farm products	Total	13	13	-	-	-	-	-		
	Female %	72.2	72.2	-	-	-	-	-		
025 Other financial officers	Total	468	462	6	-	6	-	-		
	Female %	100.0	98.7	1.3	-	1.3	-	-		
026 Management analysts	Total	215	209	6	-	6	-	-		
	Female %	45.9	44.7	1.3	-	1.3	-	-		
027 Personnel, training, and labor relations specialists	Total	163	163	-	-	-	-	-		
	Female %	100.0	100.0	-	-	-	-	-		
028 Purchasing agents and buyers, farm products	Total	24	24	-	-	-	-	-		
	Female %	14.7	14.7	-	-	-	-	-		
029 Buyers, wholesale and retail trade except farm products	Total	458	428	30	11	7	-	12		
	Female %	100.0	93.4	6.6	2.4	1.5	-	2.6		
025 Other financial officers	Total	187	173	14	7	-	-	7		
	Female %	40.8	37.8	3.1	1.5	-	-	1.5		
026 Management analysts	Total	7	7	-	-	-	-	-		
	Female %	100.0	100.0	-	-	-	-	-		
027 Personnel, training, and labor relations specialists	Total	7	7	-	-	-	-	-		
	Female %	100.0	100.0	-	-	-	-	-		
028 Purchasing agents and buyers, farm products	Total	220	220	-	-	-	-	-		
	Female %	100.0	100.0	-	-	-	-	-		
029 Buyers, wholesale and retail trade except farm products	Total	56	56	-	-	-	-	-		
	Female %	25.5	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	-	-	10
	Female	108	91	17	7	-	-	2.8
	%	30.4	25.6	4.8	2.0	-	-	10
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	-	-	-	-
	%	100.0	74.1	25.9	-	-	-	28
	Female	-	-	-	-	-	-	25.9
	%	-	-	-	-	-	-	-
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	-	-	-	-	-	-	-
	%	100.0	-	-	-	-	-	-
	Female	-	-	-	-	-	-	-
	%	-	-	-	-	-	-	-
047 Petroleum engineers	Total	-	-	-	-	-	-	-
	%	100.0	-	-	-	-	-	-
	Female	-	-	-	-	-	-	-
	%	-	-	-	-	-	-	-
048 Chemical engineers	Total	48	43	5	-	-	-	-
	%	100.0	89.6	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

Lawrence-Haverhill, MA-NH  
SMSA

Detailed Occupations by  
1980 Census Occupation Code (c)

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

Data from Census Bureau sample estimates (b)

Universe: Civilian Labor Force (e)

Detailed Occupations by 1980 Census Occupation Code (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
Professional Specialty Occupations (continued):								
049 Nuclear engineers	100.0	-	-	-	-	-	-	-
053 Civil engineers	285	285						
	100.0	100.0						
054 Agricultural engineers	100.0	-	-	-	-	-	-	-
055 Electrical and electronic engineers	1,123	1,085	38		21			17
	100.0	96.6	3.4		1.9			1.5
	45	45						
	4.0	4.0						
056 Industrial engineers	642	638	4					4
	100.0	99.4	0.6					0.6
	18	18						
	2.8	2.8						
057 Mechanical engineers	461	442	19	7	12			
	100.0	95.9	4.1	1.5	2.6			
	4	4						
	0.9	0.9						
058 Marine and naval architects	6	6						
	100.0	100.0						
059 Engineers, n.e.c.	493	487	6	6				
	100.0	98.8	1.2	1.2				
	12	12						
	2.4	2.4						
063 Surveyors and mapping scientists	38	38						
	100.0	100.0						
064 Computer systems analysts and scientists	373	349	24	5	12	7		
	100.0	93.6	6.4	1.3	3.2	1.9		
	79	79						
	21.2	21.2						
065 Operations and systems researchers and analysts	79	73	6		6			
	100.0	92.4	7.6		7.6			
	6	6			6			
	7.6	7.6			7.6			

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):								
066 Actuaries	Total 14 100.0 Female % 7	14 100.0	-	-	-	-	-	-
067 Statisticians	Total 50.0 57 100.0 Female % 24 42.1	50.0 57 100.0 24 42.1	-	-	-	-	-	-
068 Mathematical scientists, n.e.c.	Total 100.0 Female % -	-	-	-	-	-	-	-
069 Physicists and astronomers	Total 21 100.0 Female % -	21 100.0	-	-	-	-	-	-
073 Chemists, except biochemists	Total 147 100.0 Female % 25 17.0	135 91.8 18 12.2	12 8.2 7 4.8	5 3.4	7 4.8 7 4.8	-	-	-
074 Atmospheric and space scientists	Total 19 100.0 Female % 6 31.6	19 100.0 6 31.6	-	-	-	-	-	-
075 Geologists and geodesists	Total 14 100.0 Female % -	14 100.0	-	-	-	-	-	-
076 Physical scientists, n.e.c.	Total 7 100.0 Female % -	7 100.0	-	-	-	-	-	-
077 Agricultural and food scientists	Total 23 100.0 Female % 12 52.2	16 69.6 5 21.7	7 30.4 7 30.4	-	7 30.4 7 30.4	-	-	-
078 Biological and life scientists	Total 55 100.0 Female % 10 18.2	55 100.0 10 18.2	-	-	-	-	-	-
079 Forestry and conservation scientists	Total 33 100.0 Female % -	33 100.0	-	-	-	-	-	-

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						
083 Medical scientists	Female %	100.0	100.0					
	Total	4	4					
084 Physicians	Female %	23.5	23.5					
	Total	319	307	12				12
	Female %	100.0	96.2	3.8				3.8
	Total	20	20					
085 Dentists	Female %	6.3	6.3					
	Total	139	132	7				7
	Female %	100.0	95.0	5.0				5.0
	Total	6	6					
	Female %	4.3	4.3					
086 Veterinarians	Total	46	46					
	Female %	100.0	100.0					
	Total	5	5					
	Female %	10.9	10.9					
	Total	25	25					
	Female %	100.0	100.0					
087 Optometrists	Total							
	Female %							
088 Podiatrists	Total	7	7					
	Female %	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
	Total	1,997	1,988	9				9
	Female %	98.0	97.5	0.4				0.4
096 Pharmacists	Total	177	167	10				10
	Female %	100.0	94.4	5.6				5.6
	Total	55	45	10				10
	Female %	31.1	25.4	5.6				5.6
097 Dietitians	Total	67	67					
	Female %	100.0	100.0					
	Total	67	67					
	Female %	100.0	100.0					
098 Inhalation therapists	Total	79	79					
	Female %	100.0	100.0					
	Total	52	52					
	Female %	65.8	65.8					

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	Hispanic All Races
Professional Specialty Occupations (continued): 099 Occupational therapists	Total	65	65	-	-	-	-
	Female	100.0	100.0	-	-	-	-
103 Physical therapists	Total	55	55	-	-	-	-
	Female	84.6	84.6	-	-	-	-
104 Speech therapists	Total	46	41	5	5	-	-
	Female	100.0	89.1	10.9	10.9	-	-
105 Therapists, n.e.c.	Total	46	41	5	5	-	-
	Female	100.0	89.1	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	-	-	-	-
	Female	65.2	65.2	-	-	-	-
116 Physics teachers	Total	16	11	5	5	-	-
	Female	100.0	68.7	31.2	31.2	-	-
117 Natural science teachers, n.e.c.	Total	10	5	5	5	-	-
	Female	62.5	31.2	31.2	31.2	-	-
118 Psychology teachers	Total	-	-	-	-	-	-
	Female	100.0	-	-	-	-	-
119 Biological science teachers	Total	-	-	-	-	-	-
	Female	-	-	-	-	-	-
120 Chemistry teachers	Total	6	6	-	-	-	-
	Female	100.0	100.0	-	-	-	-
121 Physics teachers	Total	-	-	-	-	-	-
	Female	-	-	-	-	-	-
122 Natural science teachers, n.e.c.	Total	5	5	-	-	-	-
	Female	100.0	100.0	-	-	-	-
123 Psychology teachers	Total	5	5	-	-	-	-
	Female	100.0	100.0	-	-	-	-
124 Earth, environmental, and marine science teachers	Total	6	6	-	-	-	-
	Female	100.0	100.0	-	-	-	-
125 Biological science teachers	Total	-	-	-	-	-	-
	Female	-	-	-	-	-	-
126 Chemistry teachers	Total	-	-	-	-	-	-
	Female	-	-	-	-	-	-
127 Physics teachers	Total	-	-	-	-	-	-
	Female	-	-	-	-	-	-
128 Natural science teachers, n.e.c.	Total	-	-	-	-	-	-
	Female	-	-	-	-	-	-
129 Psychology teachers	Total	6	6	-	-	-	-
	Female	100.0	100.0	-	-	-	-
130 Earth, environmental, and marine science teachers	Total	6	6	-	-	-	-
	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
Professional Specialty Occupations (continued):	Total	6	6	-	-	-	-	-
119 Economics teachers	Female %	100.0	100.0	-	-	-	-	-
123 History teachers	Total	-	-	-	-	-	-	-
124 Political science teachers	Female %	-	-	-	-	-	-	-
125 Sociology teachers	Total	5	5	-	-	-	-	-
126 Social science teachers, n.e.c.	Female %	100.0	100.0	-	-	-	-	-
127 Engineering teachers	Total	10	10	-	-	-	-	-
128 Mathematical science teachers	Female %	100.0	100.0	-	-	-	-	-
129 Computer science teachers	Total	19	19	-	-	-	-	-
133 Medical science teachers	Female %	100.0	100.0	-	-	-	-	-
134 Health specialties teachers	Total	34	26	8	-	-	-	8
135 Business, commerce, and marketing teachers	Female %	100.0	76.5	23.5	-	-	-	23.5
	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)

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
Professional Specialty Occupations (continued):	Total	-	-	-	-	-	-	-
136 Agriculture and forestry teachers	Female %	100.0	-	-	-	-	-	-
	Total	32	32	-	-	-	-	-
137 Art, drama, and music teachers	Female %	100.0	100.0	-	-	-	-	-
	Total	5	5	-	-	-	-	-
138 Physical education teachers	Female %	15.6	15.6	-	-	-	-	-
	Total	22	22	-	-	-	-	-
139 Education teachers	Female %	100.0	100.0	-	-	-	-	-
	Total	9	9	-	-	-	-	-
	Female %	40.9	40.9	-	-	-	-	-
	Total	100.0	-	-	-	-	-	-
	Female %	-	-	-	-	-	-	-
143 English teachers	Total	10	10	-	-	-	-	-
	Female %	100.0	100.0	-	-	-	-	-
	Total	5	5	-	-	-	-	-
	Female %	50.0	50.0	-	-	-	-	-
144 Foreign language teachers	Total	11	11	-	-	-	-	-
	Female %	100.0	100.0	-	-	-	-	-
	Total	5	5	-	-	-	-	-
	Female %	45.5	45.5	-	-	-	-	-
145 Law teachers	Total	-	-	-	-	-	-	-
	Female %	100.0	-	-	-	-	-	-
146 Social work teachers	Total	-	-	-	-	-	-	-
	Female %	100.0	-	-	-	-	-	-
147 Theology teachers	Total	-	-	-	-	-	-	-
	Female %	100.0	-	-	-	-	-	-
148 Trade and industrial teachers	Total	-	-	-	-	-	-	-
	Female %	100.0	-	-	-	-	-	-
149 Home economics teachers	Total	-	-	-	-	-	-	-
	Female %	100.0	-	-	-	-	-	-



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)							Hispanic All Races
	Total	White Not Hispanic	Total Minority (d)	Black Not Hispanic	Asian/PI Not Hispanic	Native American Not Hispanic	Remaining Races Not Hispanic	
Professional Specialty Occupations (continued): 153 Teachers, postsecondary, n.e.c.	Total %	-	-	-	-	-	-	-
	Female %	100.0	-	-	-	-	-	-
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 %	116	111	5	5	-	-	-
	Female %	32.8	31.4	1.4	1.4	-	-	-
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	19	-	9
	Female %	100.0	97.7	2.3	0.3	1.3	-	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
159 Teachers, n.e.c.	Total %	553	520	33	4	-	6	23
	Female %	100.0	94.0	6.0	0.7	-	1.1	4.2
163 Counselors, educational and vocational	Total %	378	361	17	4	-	-	13
	Female %	68.4	65.3	3.1	0.7	-	-	2.4
164 Librarians	Total %	258	253	5	5	-	-	-
	Female %	100.0	98.1	1.9	1.9	-	-	-
165 Archivists and curators	Total %	159	159	-	-	-	-	-
	Female %	61.6	61.6	-	-	-	-	-
166 Economists	Total %	244	231	13	-	13	-	6
	Female %	100.0	94.7	5.3	-	5.3	-	14.6
153 Teachers, postsecondary, n.e.c.	Total %	220	207	13	-	13	-	23
	Female %	90.2	84.8	5.3	-	5.3	-	13
154 Postsecondary teachers, subject not specified	Total %	12	12	-	-	-	-	-
	Female %	100.0	100.0	-	-	-	-	-
155 Teachers, prekindergarten and kindergarten	Total %	6	6	-	-	-	-	-
	Female %	50.0	50.0	-	-	-	-	-
156 Teachers, elementary school	Total %	183	171	12	7	5	-	-
	Female %	100.0	93.4	6.6	3.8	2.7	-	-
157 Teachers, secondary school	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
Professional Specialty Occupations (continued):								
167 Psychologists	Total 74 100.0 Female 33 44.6 Total 100.0 Female 30 100.0	61 82.4 20 27.0	13 17.6 13 17.6	--	--	--	--	13 17.6 13 17.6
168 Sociologists	Total 8 26.7 Total 13 100.0 Female 8 26.7	--	--	--	--	--	--	--
169 Social Scientists, n.e.c.	Total 30 100.0 Female 8 26.7 Total 13 100.0 Female 8 26.7	30 100.0	--	--	--	--	--	--
173 Urban planners	Total 13 100.0 Female 13 100.0	13 100.0	--	--	--	--	--	--
174 Social workers	Total 630 100.0 Female 356 56.5 Total 69 100.0 Female 62 89.9	544 86.3 309 49.0	86 13.7 47 7.5	4 0.6 4 0.6	6 1.0 6 1.0	--	76 12.1 37 5.9	
175 Recreation workers	Total 203 100.0 Female 41 20.2 Total 39 100.0 Female 32 82.1	203 100.0	--	--	--	--	--	--
176 Clergy	Total 41 20.2 Female 39 100.0 Total 471 100.0 Female 67 14.2	41 20.2	--	--	--	--	--	--
177 Religious workers, n.e.c.	Total 39 100.0 Female 32 82.1 Total 471 100.0 Female 28 100.0	39 100.0	--	--	--	--	--	--
178 Lawyers	Total 471 100.0 Female 67 14.2 Total 28 100.0 Female 6 21.4	471 100.0	--	--	--	--	--	--
179 Judges	Total 28 100.0 Female 6 21.4 Total 17 100.0 Female 12 70.6	28 100.0	--	--	--	--	--	--
183 Authors	Total 17 100.0 Female 12 70.6	17 100.0	--	--	--	--	--	--

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
Professional Specialty Occupations (continued):	Total	111	111	-	-	-	-	-
184 Technical writers	Female	18	18	-	-	-	-	-
	%	16.2	16.2	-	-	-	-	-
185 Designers	Total	470	433	37	7	6	24	5.1
	Female	158	158	7.9	1.5	1.3	5.1	-
	%	33.6	33.6	-	-	-	-	-
186 Musicians and composers	Total	124	124	-	-	-	-	-
	Female	35	35	-	-	-	-	-
	%	28.2	28.2	-	-	-	-	-
187 Actors and directors	Total	16	16	-	-	-	-	-
	Female	10	10	-	-	-	-	-
	%	62.5	62.5	-	-	-	-	-
188 Painters, sculptors, craft- artists, and artist printmakers	Total	179	179	-	-	-	-	-
	Female	71	71	-	-	-	-	-
	%	39.7	39.7	-	-	-	-	-
189 Photographers	Total	82	82	-	-	-	-	-
	Female	23	23	-	-	-	-	-
	%	28.0	28.0	-	-	-	-	-
193 Dancers	Total	-	-	-	-	-	-	-
	Female	-	-	-	-	-	-	-
	%	-	-	-	-	-	-	-
194 Artists, performers, and related workers, n.e.c.	Total	58	58	-	-	-	-	-
	Female	35	35	-	-	-	-	-
	%	60.3	60.3	-	-	-	-	-
195 Editors and reporters	Total	219	206	13	-	-	-	-
	Female	138	125	5.9	-	-	-	-
	%	63.0	57.1	13	-	-	-	-
197 Public relations specialists	Total	85	85	-	-	-	-	-
	Female	33	33	-	-	-	-	-
	%	38.8	38.8	-	-	-	-	-
198 Announcers	Total	6	6	-	-	-	-	-
	Female	-	-	-	-	-	-	-
	%	-	-	-	-	-	-	-

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):								
199 Athletes	Total % Female %	53 100.0 20 37.7	- - -	- - -	- - -	- - -	- - -	- - -
Technicians and Related Support Occupations:								
203 Clinical laboratory technologists and technicians	Total % Female %	260 100.0 176 67.7	13 5.0 8 3.1	247 95.0 168 64.6	- - -	- - -	5 1.9	8 3.1 3.1
204 Dental hygienists	Total % Female %	104 100.0 104 100.0	- - -	104 100.0 104 100.0	- - -	- - -	- - -	- - -
205 Health record technologists and technicians	Total % Female %	31 100.0 31 100.0	- - -	31 100.0 31 100.0	- - -	- - -	- - -	- - -
206 Radiologic technicians	Total % Female %	174 100.0 133 76.4	- - -	174 100.0 133 76.4	- - -	- - -	- - -	- - -
207 Licensed practical nurses	Total % Female %	683 100.0 663 97.1	24 3.5 24 3.5	659 96.5 639 93.6	24 3.5 24 3.5	- - -	- - -	- - -
208 Health technologists and technicians, n.e.c.	Total % Female %	180 100.0 114 63.3	- - -	180 100.0 114 63.3	- - -	- - -	- - -	- - -
213 Electrical and electronic technicians	Total % Female %	1,119 100.0 171 15.3	49 4.4 6 0.5	1,070 95.6 165 14.7	14 1.3 6 0.5	6 0.5 6 0.5	- - -	29 2.6
214 Industrial engineering technicians	Total % Female %	- - -	- - -	- - -	- - -	- - -	- - -	- - -
215 Mechanical engineering technicians	Total % Female %	29 100.0 7 24.1	- - -	29 100.0 7 24.1	- - -	- - -	- - -	- - -
216 Engineering technicians, n.e.c.	Total % Female %	357 100.0 70 19.6	10 2.8 60 16.8	347 97.2 60 16.8	- - -	- - -	- - -	10 2.8 10 2.8

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
Technicians and Related Support Occupations (continued):								
217 Drafting occupations	Total 766	753	13	7	6			
	Female 100.0	98.3	1.7	0.9	0.8			
218 Surveying and mapping technicians	Total 14.5	14.5	7					
	Female 100.0	91.0	9.0					7
233 Biological technicians	Total 6.4	6.4						9.0
	Female 25	25						
224 Chemical technicians	Total 100.0	100.0						
	Female 11	11						
225 Science technicians, n.e.c.	Total 44.0	44.0						
	Female 121	121						
226 Airplane pilots and navigators	Total 100.0	100.0						
	Female 12	12						
227 Air traffic controllers	Total 9.9	9.9						
	Female 146	146						
228 Broadcast equipment operators	Total 100.0	100.0						
	Female 64	64						
229 Computer programmers	Total 43.8	43.8						
	Female 83	83						
233 Tool programmers, numerical control	Total 100.0	100.0						
	Female 30	24	6					6
234 Legal assistants	Total 100.0	80.0	20.0					20.0
	Female 6	6						
	Total 20.0	20.0						
	Female 80	80						
	Total 100.0	100.0						
	Female 39	39						
	Total 48.7	48.7						
	Female 466	435	31	12	7			12
	Total 100.0	93.3	6.7	2.6	1.5			2.6
	Female 188	176	12					12
	Total 40.3	37.8	2.6					2.6
	Female 27	27						
	Total 100.0	100.0						
	Female 50	50						
	Total 100.0	100.0						
	Female 33	33						
	Total 66.0	66.0						

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
Technicians and Related Support Occupations (continued): 235 Technicians, n.e.c.	Total % Female %	473 100.0 89 18.8	452 95.6 89 18.8	21 4.4 —	— — —	9 1.9 —	— — —	12 2.5 —
Sales Occupations: (243) Supervisors and proprietors, sales occupations, salaried	Total % Female %	1,532 100.0 404 26.4	1,505 98.2 377 24.6	27 1.8 27 1.8	— — —	— — —	7 0.5 7 0.5	20 1.3 20 1.3
(243) Supervisors and proprietors, sales occupations, self-employed	Total % Female %	439 100.0 135 30.8	439 100.0 135 30.8	— — —	— — —	— — —	— — —	— — —
253 Insurance sales occupations	Total % Female %	607 100.0 128 21.1	607 100.0 128 21.1	— — —	— — —	— — —	— — —	— — —
254 Real estate sales occupations	Total % Female %	623 100.0 316 50.7	611 98.1 304 48.8	12 1.9 12 1.9	— — —	— — —	6 1.0 6 1.0	6 1.0 6 1.0
255 Securities and financial services sales occupations	Total % Female %	105 100.0 12 11.4	105 100.0 12 11.4	— — —	— — —	— — —	— — —	— — —
256 Advertising and related sales occupations	Total % Female %	59 100.0 6 10.2	59 100.0 6 10.2	— — —	— — —	— — —	— — —	— — —
257 Sales occupations, other business services	Total % Female %	355 100.0 110 31.0	355 100.0 110 31.0	— — —	— — —	— — —	— — —	— — —
258 Sales engineers	Total % Female %	127 100.0 — —	127 100.0 — —	— — —	— — —	— — —	— — —	— — —
259 Sales representatives, mining, manufacturing, and wholesale	Total % Female %	1,625 100.0 231 14.2	1,619 99.6 231 14.2	6 0.4 —	— — —	6 0.4 —	— — —	— — —
263 Sales workers, motor vehicles and boats	Total % Female %	286 100.0 7 2.4	286 100.0 7 2.4	— — —	— — —	— — —	— — —	— — —

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
264 Sales workers, apparel	Total % 592 100.0	568 95.9	24 4.1	15 2.5	-	-	-	9 1.5
	Female % 481 81.2	466 78.7	15 2.5	2.5	-	-	-	-
265 Sales workers, shoes	Total % 105 100.0	105 100.0	-	-	-	-	-	-
	Female % 60 57.1	60 57.1	-	-	-	-	-	-
266 Sales workers, furniture and home furnishings	Total % 121 100.0	115 95.0	6 5.0	-	-	-	-	6 5.0
	Female % 37 30.6	37 30.6	-	-	-	-	-	-
267 Sales workers; radio, TV, hi-fi, and appliances	Total % 85 100.0	85 100.0	-	-	-	-	-	-
	Female % 13 15.3	13 15.3	-	-	-	-	-	-
268 Sales workers, hardware and building supplies	Total % 211 100.0	211 100.0	-	-	-	-	-	-
	Female % 20 9.5	20 9.5	-	-	-	-	-	-
269 Sales workers, parts	Total % 224 100.0	218 97.3	6 2.7	-	-	-	-	6 2.7
	Female % 27 12.0	27 12.0	-	-	-	-	-	-
274 Sales workers, other commodities	Total % 2,088 100.0	2,038 97.6	50 2.4	13 0.6	-	-	-	37 1.8
	Female % 1,512 72.4	1,497 71.7	15 0.7	-	-	-	-	15 0.7
275 Sales counter clerks	Total % 119 100.0	112 94.1	7 5.9	-	-	7 5.9	-	-
	Female % 97 81.5	97 81.5	-	-	-	-	-	-
276 Cashiers	Total % 2,074 100.0	2,027 97.7	47 2.3	-	10 0.5	5 0.2	-	32 1.5
	Female % 1,806 87.1	1,769 85.3	37 1.8	-	10 0.5	27 1.3	-	27 1.3
277 Street and door-to-door sales workers	Total % 182 100.0	182 100.0	-	-	-	-	-	-
	Female % 106 58.2	106 58.2	-	-	-	-	-	-
278 News vendors	Total % 129 100.0	129 100.0	-	-	-	-	-	-
	Female % 58 45.0	58 45.0	-	-	-	-	-	-

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		
<b>Sales Occupations (continued):</b>										
283 Demonstrators, promoters and models, sales	Total 100.0	-	-	-	-	-	-	-	-	-
284 Auctioneers	Total 100.0	-	-	-	-	-	-	-	-	-
285 Sales support occupations, n.e.c.	Total 100.0	8	8	100.0	8	100.0	8	100.0	8	100.0
	Total 100.0	8	8	100.0	8	100.0	8	100.0	8	100.0
	Total 100.0	8	8	100.0	8	100.0	8	100.0	8	100.0
	Total 100.0	8	8	100.0	8	100.0	8	100.0	8	100.0
<b>Administrative Support Occupations, including Clerical:</b>										
303 Supervisors: general office	Total 903	875	28	16	16	16	16	16	16	12
	Total 100.0	96.9	3.1	1.8	1.8	1.8	1.8	1.8	1.8	1.3
	Total 65.6	57.6	16	1.8	1.8	1.8	1.8	1.8	1.8	1.3
	Total 87	87	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	Total 100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	Total 25.3	25.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	Total 247	247	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	Total 100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	Total 48.6	48.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	Total 87	87	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	Total 100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	Total 37	37	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	Total 42.5	42.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	Total 281	271	10	10	10	10	10	10	10	10
	Total 100.0	96.4	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6
	Total 39	39	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	Total 13.9	13.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	Total 696	666	30	11	6	6	6	6	6	13
	Total 100.0	95.7	4.3	1.6	0.9	0.9	0.9	0.9	0.9	1.9
	Total 56.6	54.7	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
	Total 34	34	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	Total 100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	Total 34	34	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	Total 100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	Total 4,619	4,510	109	34	11	11	11	11	11	64
	Total 100.0	97.6	2.4	0.7	0.2	0.2	0.2	0.2	0.2	1.4
	Total 4,586	4,477	109	34	11	11	11	11	11	64
	Total 99.3	96.9	2.4	0.7	0.2	0.2	0.2	0.2	0.2	1.4
<b>304 Supervisors: computer equipment operators</b>										
<b>305 Supervisors: financial records processing</b>										
<b>306 Chief communications operators</b>										
<b>307 Supervisors: distribution, scheduling, and adjusting clerks</b>										
<b>308 Computer operators</b>										
<b>309 Peripheral equipment operators</b>										
<b>313 Secretaries</b>										



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)

		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
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	-	-	8
	Female %	100.0	91.9	8.1	-	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
314 Stenographers	Total	542	527	15	-	-	-	-	15
	Female %	97.7	95.0	2.7	-	-	-	-	2.7
315 Typists	Total	97	97	-	-	-	-	-	-
	Female %	100.0	100.0	-	-	-	-	-	-
316 Interviewers	Total	72	72	-	-	-	-	-	-
	Female %	74.2	74.2	-	-	-	-	-	-
317 Hotel clerks	Total	5	5	-	-	-	-	-	-
	Female %	100.0	100.0	-	-	-	-	-	-
318 Transportation ticket and reservation agents	Total	5	5	-	-	-	-	-	-
	Female %	100.0	100.0	-	-	-	-	-	-
319 Receptionists	Total	10	10	-	-	-	-	-	-
	Female %	100.0	100.0	-	-	-	-	-	-
323 Information clerks, n.e.c.	Total	10	10	-	-	-	-	-	-
	Female %	100.0	100.0	-	-	-	-	-	-
325 Classified-ad clerks	Total	406	406	-	-	-	-	-	-
	Female %	100.0	100.0	-	-	-	-	-	-
326 Correspondence clerks	Total	287	287	-	-	-	-	-	-
	Female %	70.7	70.7	-	-	-	-	-	-
327 Order clerks	Total	101	89	12	6	-	-	-	6
	Female %	100.0	88.1	11.9	5.9	-	-	-	5.9
328 Personnel clerks, except payroll and timekeeping	Total	101	89	12	6	-	-	-	6
	Female %	100.0	88.1	11.9	5.9	-	-	-	5.9

Table 3A (continued)

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

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
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
	Total 97.1	226	7	-	-	-	-	2.9
335 File clerks	Total 504	491	13	6	-	-	-	7
	Female 100.0	97.4	2.6	1.2	-	-	-	1.4
336 Records clerks	Total 82.9	405	13	6	-	-	-	7
	Female 104	80.4	2.6	1.2	-	-	-	1.4
	Total 100.0	104	-	-	-	-	-	-
	Female 88	88	-	-	-	-	-	-
	Total 84.6	84.6	-	-	-	-	-	-
337 Bookkeepers, accounting, and auditing clerks	Total 2,138	2,124	14	-	-	-	-	14
	Female 100.0	99.3	0.7	-	-	-	-	0.7
	Total 2,003	1,996	7	-	-	-	-	7
	Female 93.7	93.4	0.3	-	-	-	-	0.3
338 Payroll and timekeeping clerks	Total 340	340	-	-	-	-	-	-
	Female 100.0	100.0	-	-	-	-	-	-
	Total 281	281	-	-	-	-	-	-
	Female 82.6	82.6	-	-	-	-	-	-
339 Billing clerks	Total 114	114	-	-	-	-	-	-
	Female 100.0	100.0	-	-	-	-	-	-
	Total 108	108	-	-	-	-	-	-
	Female 94.7	94.7	-	-	-	-	-	-
343 Cost and rate clerks	Total 75	70	5	5	-	-	-	-
	Female 100.0	93.3	6.7	6.7	-	-	-	-
	Total 29	29	-	-	-	-	-	-
	Female 38.7	38.7	-	-	-	-	-	-
344 Billing, posting, and calculating machine operators	Total 97	97	-	-	-	-	-	-
	Female 100.0	100.0	-	-	-	-	-	-
	Total 97	97	-	-	-	-	-	-
	Female 100.0	100.0	-	-	-	-	-	-
345 Duplicating machine operators	Total 26	19	7	-	-	-	-	7
	Female 100.0	73.1	26.9	-	-	-	-	26.9
	Total 15	15	-	-	-	-	-	-
	Female 57.7	57.7	-	-	-	-	-	-
346 Mail preparing and paper handling machine operators	Total 100.0	-	-	-	-	-	-	-
	Female -	-	-	-	-	-	-	-
	Total 34	34	-	-	-	-	-	-
	Female 100.0	100.0	-	-	-	-	-	-
347 Office machine operators, n.e.c.	Total 100.0	8	-	-	-	-	-	-
	Female 23.5	23.5	-	-	-	-	-	-

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)

	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>								
Administrative Support Occupations, including Clerical (continued):								
348 Telephone operators	Total 499	499	-	-	-	-	-	-
	Female 100.0	100.0	-	-	-	-	-	-
	% 478	478	-	-	-	-	-	-
	% 95.8	95.8	-	-	-	-	-	-
349 Telegraphers	Total -	-	-	-	-	-	-	-
	Female -	-	-	-	-	-	-	-
	% 20	20	-	-	-	-	-	-
	% 100.0	100.0	-	-	-	-	-	-
	% 20	20	-	-	-	-	-	-
	% 100.0	100.0	-	-	-	-	-	-
353 Communications equipment operators, n.e.c.	Total 210	210	-	-	-	-	-	-
	Female 100.0	100.0	-	-	-	-	-	-
	% 6	6	-	-	-	-	-	-
	% 2.9	2.9	-	-	-	-	-	-
354 Postal clerks, exc. mail carriers	Total 381	381	-	-	-	-	-	-
	Female 100.0	100.0	-	-	-	-	-	-
	% 16	16	-	-	-	-	-	-
	% 4.2	4.2	-	-	-	-	-	-
355 Mail carriers, postal service	Total 125	125	-	-	-	-	-	-
	Female 100.0	100.0	-	-	-	-	-	-
	% 105	105	-	-	-	-	-	-
	% 84.0	84.0	-	-	-	-	-	-
357 Messengers	Total 104	104	-	-	-	-	-	-
	Female 100.0	100.0	-	-	-	-	-	-
	% -	-	-	-	-	-	-	-
	% -	-	-	-	-	-	-	-
359 Dispatchers	Total 138	138	-	-	-	-	-	-
	Female 100.0	100.0	-	-	-	-	-	-
	% 48	48	-	-	-	-	-	-
	% 34.8	34.8	-	-	-	-	-	-
363 Production coordinators	Total 600	582	18	18	-	-	-	-
	Female 100.0	97.0	3.0	3.0	-	-	-	-
	% 258	247	11	11	-	-	-	-
	% 43.0	41.2	1.8	1.8	-	-	-	-
364 Traffic, shipping, and receiving clerks	Total 1,006	952	54	54	7	0.7	47	4.7
	Female 100.0	94.6	5.4	5.4	-	-	-	-
	% 89	89	-	-	-	-	-	-
	% 8.8	8.8	-	-	-	-	-	-
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	-	16	1.6
	% 315	282	33	11	6	-	16	1.6
	% 40.1	35.9	4.2	1.4	0.8	-	2.0	0.2

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
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	7.0	6.0	-	-	-	-	-
	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	191	191	-	-	-	-	-
	Female %	100.0	100.0	-	-	-	-	-
377 Eligibility clerks, social welfare	Total	94	94	-	-	-	-	-
	Female %	49.2	49.2	-	-	-	-	-
378 Bill and account collectors	Total	142	142	-	-	-	-	-
	Female %	100.0	100.0	-	-	-	-	-
379 General office clerks	Total	91	91	-	-	-	-	-
	Female %	64.1	64.1	-	-	-	-	-
383 Bank tellers	Total	7	7	-	-	-	-	-
	Female %	100.0	100.0	-	-	-	-	-
388 Bill and account collectors	Total	108	108	-	-	-	-	-
	Female %	100.0	100.0	-	-	-	-	-
389 General office clerks	Total	74	74	-	-	-	-	-
	Female %	68.5	68.5	-	-	-	-	-
390 General office clerks	Total	1,889	1,822	67	15	6	-	46
	Female %	100.0	96.5	3.5	0.8	0.3	-	2.4
391 General office clerks	Total	1,609	1,547	62	10	6	-	46
	Female %	85.2	81.9	3.3	0.5	0.3	-	2.4
392 Bank tellers	Total	597	578	19	-	-	-	19
	Female %	100.0	96.8	3.2	-	-	-	3.2
393 Bank tellers	Total	566	554	12	-	-	-	12
	Female %	94.8	92.8	2.0	-	-	-	2.0

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>Admin. Support, inc. Clerical (cont.):</b>	<b>Total</b>	<b>10</b>	<b>6</b>	-	-	-	-	<b>6</b>	
384 Proofreaders	Female %	62.5	37.5	-	-	-	-	37.5	
	Male %	5	6	-	-	-	-	37.5	
<b>385 Data-entry keyers</b>	<b>Total</b>	<b>695</b>	<b>695</b>	-	-	-	-	-	
	Female %	100.0	100.0	-	-	-	-	-	
	Male %	94.8	94.8	-	-	-	-	-	
<b>386 Statistical clerks</b>	<b>Total</b>	<b>205</b>	<b>200</b>	<b>5</b>	-	-	-	-	
	Female %	100.0	97.6	2.4	-	-	-	2.4	
	Male %	153	148	5	-	-	-	5	
<b>387 Teachers' aides</b>	<b>Total</b>	<b>417</b>	<b>396</b>	<b>21</b>	<b>7</b>	-	-	<b>14</b>	
	Female %	100.0	95.0	5.0	1.7	-	-	3.4	
	Male %	417	396	21	7	-	-	14	
<b>389 Administrative support occupations, n.e.c.</b>	<b>Total</b>	<b>880</b>	<b>852</b>	<b>28</b>	<b>17</b>	-	-	<b>34</b>	
	Female %	100.0	96.8	3.2	0.8	-	-	2.4	
	Male %	535	519	16	-	-	-	16	
		60.8	59.0	1.8	-	-	-	1.8	
<b>Private Household Occupations:</b>	<b>Total</b>	-	-	-	-	-	-	-	
403 Launderers and ironers	Female %	-	-	-	-	-	-	-	
	Male %	-	-	-	-	-	-	-	
<b>404 Cooks, private household</b>	<b>Total</b>	<b>6</b>	<b>6</b>	-	-	-	-	-	
	Female %	100.0	100.0	-	-	-	-	-	
<b>405 Housekeepers and butlers</b>	<b>Total</b>	<b>54</b>	<b>54</b>	-	-	-	-	-	
	Female %	100.0	100.0	-	-	-	-	-	
	Male %	44	44	-	-	-	-	-	
<b>406 Child care workers, private household</b>	<b>Total</b>	<b>81.5</b>	<b>81.5</b>	-	-	-	-	-	
	Female %	148	141	7	-	-	-	7	
	Male %	100.0	95.3	4.7	-	-	-	4.7	
	Female %	130	123	7	-	-	-	7	
<b>407 Private household cleaners and servants</b>	<b>Total</b>	<b>87.8</b>	<b>83.1</b>	<b>4.7</b>	-	-	-	<b>4.7</b>	
	Female %	141	130	11	6	-	-	5	
	Male %	100.0	92.2	7.8	4.3	-	-	3.5	
	Female %	128	117	11	6	-	-	5	
	Male %	90.8	83.0	7.8	4.3	-	-	3.5	
<b>Protective Service Occupations:</b>	<b>Total</b>	<b>95</b>	<b>95</b>	-	-	-	-	-	
413 Supervisors: firefighting and fire prevention occupations	Female %	100.0	100.0	-	-	-	-	-	
	Male %	-	-	-	-	-	-	-	

Table 3A (continued)

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
Protective Service Occupations (continued): 414 Supervisors: police and detectives	Total	80	80	-	-	-	-	-	-
	Female %	100.0	100.0	-	-	-	-	-	-
415 Supervisors: guards	Total	46	46	-	-	-	-	-	-
	Female %	100.0	100.0	-	-	-	-	-	-
416 Fire inspection and fire prevention occupations	Total	17	17	-	-	-	-	-	-
	Female %	100.0	100.0	-	-	-	-	-	-
417 Firefighting occupations	Total	543	543	-	-	-	-	-	-
	Female %	100.0	100.0	-	-	-	-	-	-
418 Police and detectives, public service	Total	550	539	11	5	5	11	11	11
	Female %	100.0	98.0	2.0	11	8.9	2.0	2.0	2.0
423 Sheriffs, bailiffs, and other law enforcement officers	Total	20	20	-	-	-	-	-	-
	Female %	100.0	100.0	-	-	-	-	-	-
424 Correctional institution officers	Total	56	51	5	5	5	5	5	5
	Female %	100.0	91.1	8.9	8.9	8.9	8.9	8.9	8.9
425 Crossing guards	Total	6	6	-	-	-	-	-	-
	Female %	100.0	100.0	-	-	-	-	-	-
426 Guards and police, except public service	Total	86.5	86.5	-	-	-	-	-	-
	Female %	826	814	12	4	4	8	8	8
427 Protective service occupations, n.e.c.	Total	82	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	5	5	5	5
	Female %	100.0	98.3	1.7	1.7	1.7	1.7	1.7	1.7
		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

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
Service Occupations, except Protective and Private Household (continued): 434 Bartenders	Total	312	-	-	-	-	-	-
	Female	100.0	312	-	-	-	-	-
435 Waiters and waitresses	Total	1,658	1,638	20	7	-	-	13
	Female	1,530	1,510	20	0.4	-	-	0.8
436 Cooks, except short order	Total	1,004	985	19	6	-	-	13
	Female	440	440	1.9	0.6	-	-	1.3
437 Short-order cooks	Total	133	133	-	-	-	-	-
	Female	50	100.0	-	-	-	-	-
438 Food counter, fountain and related occupations	Total	262	262	-	-	-	-	-
	Female	212	100.0	-	-	-	-	-
439 Kitchen workers, food preparation	Total	131	131	-	-	-	-	-
	Female	90	100.0	-	-	-	-	-
443 Waiters/waitresses' assistants	Total	210	210	-	-	-	-	-
	Female	117	100.0	-	-	-	-	-
444 Miscellaneous food preparation occupations	Total	1,118	1,078	40	7	-	-	17
	Female	700	96.4	3.6	0.6	-	-	1.5
445 Dental assistants	Total	249	249	-	-	-	-	-
	Female	242	100.0	-	-	-	-	-
446 Health aides, except nursing	Total	364	352	12	6	-	-	6
	Female	301	96.7	3.3	1.6	-	-	1.6
447 Nursing aides, orderlies, and attendants	Total	1,594	1,519	75	1.6	-	-	46
	Female	1,457	95.3	4.7	0.4	-	-	2.9
	91.4	87.6	3.8	0.8	-	-	0.3	2.3

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  
SM/SA

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	14.5	14.5	-	-	-	-	-
	Female %	519	483	36	-	-	-	36
453 Janitors and cleaners	Total	100.0	93.1	6.9	-	-	-	6.9
	Female %	344	326	18	-	-	-	18
454 Elevator operators	Total	86.3	62.8	3.5	18	-	-	3.5
	Female %	2,360	2,316	44	0.8	-	-	26
455 Pest control occupations	Total	100.0	98.1	1.9	9	-	-	1.1
	Female %	304	295	9	0.4	-	-	-
456 Supervisors; personal service occupations	Total	12.9	12.5	0.4	-	-	-	-
	Female %	19	19	-	-	-	-	-
457 Barbers	Total	100.0	100.0	-	-	-	-	-
	Female %	15	15	-	-	-	-	-
458 Hairdressers and cosmetologists	Total	100.0	100.0	-	-	-	-	-
	Female %	153	153	-	-	-	-	-
459 Attendants, amusement and recreation facilities	Total	100.0	100.0	-	-	-	-	-
	Female %	9	9	-	-	-	-	-
463 Guides	Total	5.9	5.9	-	-	-	-	-
	Female %	772	772	-	-	-	-	-
464 Ushers	Total	100.0	100.0	-	-	-	-	-
	Female %	565	565	-	-	-	-	-
465 Attendants, amusement and recreation facilities	Total	73.2	73.2	-	-	-	-	-
	Female %	84	84	-	-	-	-	-
466 Guides	Total	100.0	100.0	-	-	-	-	-
	Female %	13	13	-	-	-	-	-
467 Ushers	Total	15.5	15.5	-	-	-	-	-
	Female %	16	16	-	-	-	-	-
468 Attendants, amusement and recreation facilities	Total	100.0	100.0	-	-	-	-	-
	Female %	13	13	-	-	-	-	-
469 Ushers	Total	81.2	81.2	-	-	-	-	-
	Female %	21	21	-	-	-	-	-
470 Attendants, amusement and recreation facilities	Total	100.0	100.0	-	-	-	-	-
	Female %	-	-	-	-	-	-	-



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
Service Occupations, except Protective and Private Household (continued): 465 Public transportation attendants	Total	79	79	-	-	-	-	-
	Female %	100.0	100.0	-	-	-	-	-
466 Baggage porters and bellhops	Total	10	10	-	-	-	-	-
	Female %	100.0	100.0	-	-	-	-	-
467 Welfare service aides	Total	178	173	5	-	-	-	5
	Female %	100.0	97.2	2.8	-	-	-	2.8
468 Child care workers, except private household	Total	506	455	51	4	4	-	2.8
	Female %	100.0	89.9	10.1	0.8	0.8	-	4.7
469 Personal service occupations, n.e.c.	Total	93.1	420	51	4	-	-	4.7
	Female %	305	83.0	10.1	0.8	-	-	9.3
Farming, Forestry, and Fishing Occupations: 473 Farmers, except horticultural	Total	122	122	-	-	-	-	-
	Female %	100.0	100.0	-	-	-	-	-
474 Horticultural specialty farmers	Total	33	33	-	-	-	-	-
	Female %	27.0	27.0	-	-	-	-	-
475 Managers: farms, except horticultural	Total	15	15	-	-	-	-	-
	Female %	100.0	100.0	-	-	-	-	-
476 Managers: horticultural specialty farms	Total	66	66	-	-	-	-	-
	Female %	100.0	100.0	-	-	-	-	-
477 Supervisors: farm workers	Total	19	19	-	-	-	-	-
	Female %	28.8	28.8	-	-	-	-	-
479 Farm workers	Total	28	28	-	-	-	-	-
	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	Hispanic All Races
Farming, Forestry, and Fishing Occupations (continued):	Total %	-	-	-	-	-	-
483 Marine life cultivation workers	Female %	-	-	-	-	-	-
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 Supervisors: forestry and logging workers	Total %	-	-	-	-	-	-
	Female %	-	-	-	-	-	-
495 Forestry workers, except logging	Total %	13	13	-	-	-	-
	Female %	100.0	100.0	-	-	-	-
496 Timber cutting and logging occupations	Total %	35	35	-	-	-	-
	Female %	100.0	100.0	-	-	-	-
497 Captains and other officers, fishing vessels	Total %	14	14	-	-	-	-
	Female %	40.0	40.0	-	-	-	-
499 Supervisors: forestry and logging workers	Total %	1000	-	-	-	-	-
	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	Hispanic All Races
Farming, Forestry, and Fishing Occupations (continued): 498 Fishers	Total % Female	21 100.0 7	21 100.0 7	-	-	-	-
499 Hunters and trappers	Total % Female	33.3 7 100.0	33.3 7 100.0	-	-	-	-
Precision Production, Craft, and Repair Occupations:							
Mechanics and repairers: 503 Supervisors: mechanics and repairers	Total % Female	193 100.0 11	193 100.0 11	-	-	-	-
505 Automobile mechanics, except apprentices	Total % Female	1,315 100.0 22	1,289 98.0 22	26 2.0	6 0.5	13 1.0	7 0.5
506 Automobile mechanic apprentices	Total % Female	17 4 100.0	17 4 100.0	-	-	-	-
507 Bus, truck, and stationary engine mechanics	Total % Female	67 100.0 -	67 100.0 -	-	-	-	-
508 Aircraft engine mechanics	Total % Female	75 100.0 7	75 100.0 7	-	-	-	-
509 Small engine repairers	Total % Female	93 24 100.0	93 24 100.0	-	-	-	-
514 Automobile body and related repairers	Total % Female	357 100.0 9	348 97.5 9	9 2.5	-	-	9 2.5
515 Aircraft mechanics, except engine	Total % Female	25 25 100.0	25 25 100.0	-	-	-	-

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 (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		
Precision Production, Craft, and Repair Occupations (continued):	Total	96	96	-	-	-	-	-	-	-
516 Heavy equipment mechanics	Female %	100.0	100.0	-	-	-	-	-	-	-
517 Farm equipment mechanics	Total	20	20	-	-	-	-	-	-	-
	Female %	100.0	100.0	-	-	-	-	-	-	-
518 Industrial machinery repairers	Total	784	759	25	7	-	-	-	-	18
	Female %	100.0	96.8	3.2	0.9	-	-	-	-	2.3
	Female %	16	16	-	-	-	-	-	-	-
	Female %	2.0	2.0	-	-	-	-	-	-	-
519 Machinery maintenance occupations	Total	6	6	-	-	-	-	-	-	-
	Female %	100.0	100.0	-	-	-	-	-	-	-
523 Electronic repairers, communications and industrial equipment	Total	231	231	-	-	-	-	-	-	-
	Female %	100.0	100.0	-	-	-	-	-	-	-
	Female %	53	53	-	-	-	-	-	-	-
	Female %	22.9	22.9	-	-	-	-	-	-	-
525 Data processing equipment repairers	Total	151	151	-	-	-	-	-	-	-
	Female %	100.0	100.0	-	-	-	-	-	-	-
	Female %	40	40	-	-	-	-	-	-	-
	Female %	26.5	26.5	-	-	-	-	-	-	-
526 Household appliance and power tool repairers	Total	77	77	-	-	-	-	-	-	-
	Female %	100.0	100.0	-	-	-	-	-	-	-
527 Telephone line installers and repairers	Total	56	56	-	-	-	-	-	-	-
	Female %	100.0	100.0	-	-	-	-	-	-	-
	Female %	392	385	7	7	-	-	-	-	-
	Female %	100.0	98.2	1.8	1.8	-	-	-	-	-
	Female %	57	57	-	-	-	-	-	-	-
	Female %	14.5	14.5	-	-	-	-	-	-	-
533 Miscellaneous electrical and electronic equipment repairers	Total	19	19	-	-	-	-	-	-	-
	Female %	100.0	100.0	-	-	-	-	-	-	-
	Female %	8	8	-	-	-	-	-	-	-
	Female %	42.1	42.1	-	-	-	-	-	-	-
	Female %	225	225	-	-	-	-	-	-	-
	Female %	100.0	100.0	-	-	-	-	-	-	-
	Female %	6	6	-	-	-	-	-	-	-
	Female %	2.7	2.7	-	-	-	-	-	-	-
534 Heating, air conditioning, and refrigeration mechanics	Total	225	225	-	-	-	-	-	-	-
	Female %	100.0	100.0	-	-	-	-	-	-	-
	Female %	6	6	-	-	-	-	-	-	-
	Female %	2.7	2.7	-	-	-	-	-	-	-

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	85 100.0	85 100.0	-	-	-	-	-	-
536 Locksmiths and safe repairers	19 100.0	19 100.0	-	-	-	-	-	-
538 Office machine repairers	39 100.0	39 100.0	-	-	-	-	-	-
539 Mechanical controls and valve repairers	49 100.0	49 100.0	-	-	-	-	-	-
543 Elevator installers and repairers	13 100.0	13 100.0	-	-	-	-	-	-
544 Millwrights	189 100.0	181 95.8	8 4.2	-	-	-	-	8 4.2
547 Specified mechanics and repairers, n.e.c.	349 100.0	343 98.3	6 1.7	6 1.7	-	-	-	-
549 Not specified mechanics and repairers	243 100.0	216 88.9	27 11.1	-	-	-	-	27 11.1
Construction trades: 553 Supervisors: brickmasons, stonemasons, and tile setters	-	-	-	-	-	-	-	-
554 Supervisors: carpenters and related workers	57 100.0	57 100.0	-	-	-	-	-	-
555 Supervisors: electricians and power transmission installers	27 100.0	27 100.0	-	-	-	-	-	-

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
Precision Production, Craft, and Repair Occupations (continued): 556 Supervisors: painters, paperhangers, and plasterers	Total	9	9	-	-	-	-	-
	Female %	100.0	100.0	-	-	-	-	-
557 Supervisors: plumbers, pipefitters, and steamfitters	Total	17	17	-	-	-	-	-
	Female %	100.0	100.0	-	-	-	-	-
558 Supervisors: n.e.c.	Total	729	719	10	-	6	-	4
	Female %	100.0	98.6	1.4	-	0.8	-	0.5
563 Brickmasons and stonemasons, excluding apprentices	Total	183	183	-	-	-	-	-
	Female %	100.0	100.0	-	-	-	-	-
564 Brickmason and stonemason apprentices	Total	12	12	-	-	-	-	-
	Female %	100.0	100.0	-	-	-	-	-
565 Tile setters, hard and soft	Total	20	20	-	-	-	-	-
	Female %	100.0	100.0	-	-	-	-	-
566 Carpet installers	Total	8	8	-	-	-	-	-
	Female %	40.0	40.0	-	-	-	-	-
567 Carpenters, exc. apprentices	Total	75	75	-	-	-	-	-
	Female %	100.0	100.0	-	-	-	-	-
569 Carpenter apprentices	Total	1,557	1,523	34	-	6	-	28
	Female %	100.0	97.8	2.2	-	0.4	-	1.8
573 Drywall installers	Total	9	9	-	-	-	-	-
	Female %	100.0	100.0	-	-	-	-	-
575 Electricians, exc. apprentices	Total	4	4	-	-	-	-	-
	Female %	44.4	44.4	-	-	-	-	-
577 Drywall installers	Total	80	80	-	-	-	-	-
	Female %	100.0	100.0	-	-	-	-	-
579 Electricians, exc. apprentices	Total	8	8	-	-	-	-	-
	Female %	10.0	10.0	-	-	-	-	-
581 Electricians, exc. apprentices	Total	664	657	7	7	-	-	-
	Female %	100.0	98.9	1.1	1.1	-	-	-

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	Hispanic All Races
Precision Production, Craft, and Repair Occupations (continued): 576 Electrician apprentices	Total	47	42	5	-	-	-
	Female %	100.0	89.4	10.6	-	-	-
577 Electrical power installers and repairers	Total	112	99	13	-	-	-
	Female %	100.0	88.4	11.6	-	-	-
579 Painters, construction and maintenance	Total	519	388	131	-	-	126
	Female %	100.0	74.8	25.2	-	-	24.3
583 Paperhangers	Total	21	14	7	-	-	7
	Female %	4.0	2.7	1.3	-	-	1.3
584 Plasterers	Total	18	18	-	-	-	-
	Female %	100.0	100.0	-	-	-	-
585 Plumbers, pipefitters, and steamfitters, exc. apprentices	Total	31	31	-	-	-	-
	Female %	100.0	100.0	-	-	-	-
587 Plumber, pipefitter, and steamfitter apprentices	Total	588	577	11	-	-	5
	Female %	100.0	98.1	1.9	-	-	0.9
588 Concrete and terrazzo finishers	Total	13	13	-	-	-	-
	Female %	100.0	100.0	-	-	-	-
589 Glaziers	Total	5	5	-	-	-	-
	Female %	100.0	100.0	-	-	-	-
593 Insulation workers	Total	21	21	-	-	-	-
	Female %	100.0	100.0	-	-	-	-
594 Paving, surfacing, and tamping equipment operators	Total	19	19	-	-	-	-
	Female %	100.0	100.0	-	-	-	-

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
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	-	-	-	-	-
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 100.0	-	-	-	-	-	-	-
	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 100.0	-	-	-	-	-	-	-
	Female %	-	-	-	-	-	-	-
Precision Production Occupations: 633 Supervisors: production occupations	Total 3,308 100.0	2,142 95.0	166 5.0	29 0.9	18 0.5	18 0.5	-	101 3.1
	Female %	393 11.9	374 11.3	19 0.6	6 0.2	-	-	13 0.4



**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):								
634 Tool and die makers, exc. apprentices	Total % 259 100.0	259 100.0	-	-	-	-	-	-
635 Tool and die maker apprentices	Total % 17 100.0	17 100.0	-	-	-	-	-	-
636 Precision assemblers, metal	Total % 16 100.0	16 100.0	-	-	-	-	-	-
637 Machinists, except apprentices	Total % 1,134 100.0	1,134 93.4	80 6.6	23 1.9	-	-	-	57 4.7
639 Machinist apprentices	Total % 5 100.0	5 100.0	5 100.0	-	-	-	-	23 4.7
643 Boilermakers	Total % 31 100.0	31 100.0	-	-	-	-	-	23 1.9
644 Precision grinders, filters, and tool sharpeners	Total % 16 100.0	6 37.5	10 62.5	-	-	-	-	10 62.5
645 Patternmakers and model makers, metal	Total % 37 100.0	37 100.0	-	-	-	-	-	-
646 Lay-out workers	Total % 123 100.0	118 95.9	5 4.1	-	-	-	-	-
647 Precious stones and metals workers (Jewelers)	Total % 178 100.0	172 96.6	6 3.4	-	-	-	-	6 3.4
649 Engravers, metal	Total % 13 100.0	6 35.4	7 46.2	6 46.2	-	-	-	6 46.2
	Total % 538 100.0	538 100.0	7 1.3	7 1.3	-	-	-	7 1.3

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
Precision Production, Craft, and Repair Occupations (continued):								
653 Sheet metal workers	Total % Female %	237 100.0 13 5.5	227 95.8 13 5.5	10 4.2	-	-	-	10 4.2
654 Sheet metal worker apprentices	Total % Female %	6 100.0 6	6 100.0 6	-	-	-	-	-
655 Miscellaneous precision metal workers	Total % Female %	17 100.0 17	17 100.0 17	-	-	-	-	-
656 Patternmakers and model makers, wood	Total % Female %	74 100.0 74	74 100.0 74	-	-	-	-	-
657 Cabinet makers and bench carpenters	Total % Female %	18 100.0 18	18 100.0 18	-	-	-	-	-
658 Furniture and wood finishers	Total % Female %	6 100.0 6	6 100.0 6	-	-	-	-	-
659 Miscellaneous precision woodworkers	Total % Female %	78 100.0 78	70 89.7 70	8 10.3	-	-	-	8 10.3
666 Dressmakers	Total % Female %	129 100.0 44	121 93.8 44	8 6.2	-	-	-	8 6.2
667 Tailors	Total % Female %	126 100.0 13	126 100.0 13	-	-	-	-	-
668 Upholsterers	Total % Female %	103 100.0 271	103 100.0 190	81 78.7	-	-	-	81 78.7
669 Shoe repairers	Total % Female %	31 100.0 33.2	31 100.0 21.8	3 9.7	-	-	-	3 9.7

Data from Census Bureau sample estimates (b)

Detailed Occupations by 1980 Census Occupation Code (c)	Universals: 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	7 100.0	-	-	-	-	-	-	-
674 Miscellaneous precision apparel and fabric workers	Total 7 100.0	7 100.0	7 100.0	-	-	-	-	-	-	-
675 Hand molders and shapers, except jewelers	Total 52 100.0	52 100.0	52 100.0	9	17.3	11	20.4	23	44.2	5
676 Patternmakers, lay-out workers, and cutters	Total 11 100.0	11 100.0	11 100.0	9	81.8	11	100.0	11	100.0	0
677 Optical goods workers	Total 46 100.0	46 100.0	46 100.0	21	45.7	54	117.4	54	117.4	0
678 Dental laboratory and medical appliance technicians	Total 54 100.0	54 100.0	54 100.0	11	20.4	11	20.4	23	42.6	0
679 Bookbinders	Total 23 100.0	23 100.0	23 100.0	5	21.7	5	21.7	5	21.7	0
683 Electrical and electronic equipment assemblers	Total 643 100.0	643 100.0	643 100.0	61	9.5	61	9.5	61	9.5	0
684 Miscellaneous precision workers, n.e.c.	Total 471 73.3	471 73.3	471 73.3	41	8.7	41	8.7	41	8.7	0
686 Butchers and meat cutters	Total 35 100.0	35 100.0	35 100.0	8	22.9	8	22.9	8	22.9	0
687 Bakers	Total 199 100.0	199 100.0	199 100.0	199	100.0	199	100.0	199	100.0	0
	Total 56 28.1	56 28.1	56 28.1	56	100.0	56	100.0	56	100.0	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		
Precision Production, Craft, and Repair Occupations (continued): 688 Food batchmakers	Total	21	16	5	-	-	-	5		
	Female	100.0	76.2	23.8	-	-	-	23.8		
689 Inspectors, testers, and graders	Total	47.6	47.6	-	-	-	-	-		
	Female	902	855	47	11	12	-	24		
693 Adjusters and calibrators	Total	100.0	94.8	5.2	1.2	1.3	-	2.7		
	Female	450	416	34	5	5	-	24		
694 Water and sewage treatment plant operators	Total	49.9	46.1	3.8	0.6	0.6	-	2.7		
	Female	14	14	-	-	-	-	-		
695 Power plant operators	Total	100.0	100.0	-	-	-	-	-		
	Female	6	6	-	-	-	-	-		
696 Stationary engineers	Total	42.9	42.9	-	-	-	-	-		
	Female	32	32	-	-	-	-	-		
699 Miscellaneous plant and system operators	Total	100.0	100.0	-	-	-	-	-		
	Female	-	-	-	-	-	-	-		
Machine Operators, Assemblers, and Inspectors: 703 Lathe and turning machine set-up operators	Total	184	178	6	-	-	-	6		
	Female	100.0	96.7	3.3	-	-	-	3.3		
704 Lathe and turning machine operators	Total	6	6	-	-	-	-	-		
	Female	3.3	3.3	-	-	-	-	-		
705 Milling and planing machine operators	Total	16	16	-	-	-	-	-		
	Female	100.0	100.0	-	-	-	-	-		
706 Punching and stamping press machine operators	Total	96	96	-	-	-	-	-		
	Female	100.0	100.0	-	-	-	-	-		
706 Punching and stamping press machine operators	Total	162	162	-	-	-	-	-		
	Female	100.0	100.0	-	-	-	-	-		
706 Punching and stamping press machine operators	Total	35	35	-	-	-	-	-		
	Female	21.6	21.6	-	-	-	-	-		
706 Punching and stamping press machine operators	Total	16	16	-	-	-	-	-		
	Female	100.0	100.0	-	-	-	-	-		
706 Punching and stamping press machine operators	Total	159	159	-	-	-	-	-		
	Female	100.0	100.0	-	-	-	-	-		
706 Punching and stamping press machine operators	Total	41	41	-	-	-	-	-		
	Female	25.8	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 % Female	13 100.0 7	13 100.0 7	-	-	-	-	-
708 Drilling and boring machine operators	Total % Female	56 100.0 7	50 89.3 7	6 10.7	6	-	-	-
709 Grinding, abrading, buffing, and polishing machine operators	Total % Female	316 100.0 92	310 98.1 92	6 1.9	6	-	-	-
713 Forging machine operators	Total % Female	29.1 100.0 5	29.1 100.0 5	-	-	-	-	6 1.9
714 Numerical control machine operators	Total % Female	-	-	-	-	-	-	-
715 Miscellaneous metal, plastic, stone, and glass working machine operators	Total % Female	36 100.0 14	36 100.0 14	-	-	-	-	-
717 Fabricating machine operators, n.e.c.	Total % Female	65 100.0 36	65 100.0 36	-	-	-	-	-
719 Molding and casting machine operators	Total % Female	134 100.0 50	102 76.1 44	32 23.9 6	32	-	-	32 23.9 6
723 Metal plating machine operators	Total % Female	252 100.0 62	234 92.9 62	18 7.1	18	7 2.8	-	11 4.4
724 Heat treating equipment operators	Total % Female	24.6 100.0 9	24.6 100.0 9	-	-	-	-	-
725 Miscellaneous metal and plastic processing machine operators	Total % Female	17 100.0 5	17 100.0 5	-	-	-	-	-
	Total % Female	29.4 100.0 5	29.4 100.0 5	-	-	-	-	-

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
Machine Operators, Assemblers, and Inspectors (continued): 726 Wood lathe, routing, and planing machine operators	Total %	-	-	-	-	-	-	-
	Female %	100.0	-	-	-	-	-	-
727 Sawing machine operators	Total %	44	35	9	-	-	-	9
	Female %	100.0	79.5	20.5	-	-	-	20.5
728 Shaping and joining machine operators	Total %	136	6	-	-	-	-	-
	Female %	14	136	-	-	-	-	-
729 Nailing and tacking machine operators	Total %	100.0	100.0	-	-	-	-	-
	Female %	6	42.9	6	-	-	-	6
733 Miscellaneous woodworking machine operators	Total %	100.0	100.0	-	-	-	-	-
	Female %	6	100.0	6	-	-	-	6
734 Printing machine operators	Total %	391	381	10	-	-	-	10
	Female %	100.0	97.4	2.6	-	-	-	2.6
735 Photoengravers and lithographers	Total %	35	35	-	-	-	-	-
	Female %	90	90	-	-	-	-	-
736 Typesetters and compositors	Total %	6	6	-	-	-	-	-
	Female %	100.0	100.0	-	-	-	-	-
737 Miscellaneous printing machine operators	Total %	60	60	-	-	-	-	-
	Female %	100.0	100.0	-	-	-	-	-
738 Winding and twisting machine operators	Total %	25	25	-	-	-	-	-
	Female %	41.7	41.7	-	-	-	-	-
739 Knitting, looping, taping, and weaving machine operators	Total %	33	23	10	-	-	-	10
	Female %	10	69.7	30.3	-	-	-	30.3

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
Machine Operators, Assemblers, and Inspectors (Continued):	Total	11	6	5	-	-	-	5
	Female	100.0	54.5	45.5	-	-	-	45.5
743 Textile cutting machine operators	Total	54.5	81.7	20.3	18	32	-	15.3
	Female	100.0	80.1	19.9	1.8	3.1	-	15.0
744 Textile sewing machine operators	Total	93.8	77.1	16.7	18	32	-	11.7
	Female	92.0	75.6	16.4	1.8	3.1	-	11.5
745 Shoe machine operators	Total	1,250	943	307	7	-	-	300
	Female	100.0	75.4	24.6	0.6	-	-	24.0
747 Pressing machine operators	Total	72.9	59.9	13.0	-	-	-	16.2
	Female	26.9	22.4	4.5	-	-	-	13.0
748 Laundering and dry cleaning machine operators	Total	100.0	83.3	16.7	-	-	-	16.7
	Female	11.9	11.3	0.6	-	-	-	0.6
749 Miscellaneous textile machine operators	Total	44.2	42.0	2.2	-	-	-	2.2
	Female	22.7	21.3	1.4	-	-	-	1.4
753 Cementing and gluing machine operators	Total	100.0	93.8	6.2	-	-	-	6.2
	Female	11.8	10.4	1.4	-	-	-	1.4
754 Packaging and filling machine operators	Total	52.0	45.8	6.2	-	-	-	6.2
	Female	61.0	43.7	17.3	2.1	8	-	14.4
755 Extruding and forming machine operators	Total	100.0	71.6	28.4	3.4	1.3	-	23.6
	Female	20.0	20.0	-	-	-	-	-
756 Mixing and blending machine operators	Total	84	75	9	-	-	-	9
	Female	100.0	89.3	10.7	-	-	-	10.7
757 Separating, filtering, and clarifying machine operators	Total	42	33	9	-	-	-	9
	Female	50.0	39.3	10.7	-	-	-	10.7
758 Packaging and filling machine operators	Total	107	83	24	-	-	-	24
	Female	100.0	77.6	22.4	-	-	-	22.4
759 Extruding and forming machine operators	Total	64	56	8	-	-	-	8
	Female	59.8	52.3	7.5	-	-	-	7.5
760 Mixing and blending machine operators	Total	69	69	-	-	-	-	-
	Female	100.0	100.0	-	-	-	-	-
761 Separating, filtering, and clarifying machine operators	Total	302	280	22	6	-	-	16
	Female	100.0	92.7	7.3	2.0	-	-	5.3
762 Separating, filtering, and clarifying machine operators	Total	55	47	8	-	-	-	8
	Female	18.2	15.6	2.6	-	-	-	2.6
763 Separating, filtering, and clarifying machine operators	Total	84	60	24	-	9	-	15
	Female	100.0	71.4	28.6	-	10.7	-	17.9

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): 758 Compressing and compacting machine operators	Total	57	57	-	-	-	-	-
	Female %	100.0	100.0	-	-	-	-	-
759 Painting and paint spraying machine operators	Total	49.1	49.1	-	-	-	-	-
	Female %	231	231	-	-	-	-	-
763 Roasting and baking machine operators, food	Total	100.0	100.0	-	-	-	-	-
	Female %	79	79	-	-	-	-	-
764 Washing, cleaning, and pickling machine operators	Total	34.2	34.2	-	-	-	-	-
	Female %	-	-	-	-	-	-	-
765 Folding machine operators	Total	100.0	100.0	-	-	-	-	-
	Female %	21	14	7	-	-	-	7
766 Furnace, kiln, and oven operators, except food	Total	100.0	66.7	33.3	-	-	-	33.3
	Female %	112	97	15	-	-	-	15
768 Crushing and grinding machine operators	Total	107	86.6	13.4	-	-	-	13.4
	Female %	48	6.2	4.5	-	-	-	4.5
769 Slicing and cutting machine operators	Total	48	48	-	-	-	-	-
	Female %	-	100.0	-	-	-	-	-
773 Motion picture projectionists	Total	465	439	26	-	-	-	26
	Female %	100.0	94.4	5.6	-	-	-	5.6
774 Photographic process machine operators	Total	173	156	17	-	-	-	17
	Female %	37.2	33.5	3.7	-	-	-	3.7
774 Photographic process machine operators	Total	18	18	-	-	-	-	-
	Female %	100.0	100.0	-	-	-	-	-
774 Photographic process machine operators	Total	133	124	9	-	-	-	9
	Female %	100.0	93.2	6.8	-	-	-	6.8
774 Photographic process machine operators	Total	65	65	-	-	-	-	-
	Female %	48.9	48.9	-	-	-	-	-



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		
Machine Operators, Assemblers, and Inspectors (continued):	Total	1,200	77	11	-	5	-	61		
	Female	100.0	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	595	46	11	-	-	-	35		
	Female	49.6	45.7	3.8	0.9	-	-	2.9		
779 Machine operators, not specified	Total	3,130	514	62	45	-	8	399		
	Female	100.0	83.6	16.4	2.0	-	0.3	12.7		
Miscellaneous and not specified machine operators, by industry (g): Manufacturing	Total	1,233	154	19	22	-	-	113		
	Female	39.4	34.5	4.9	0.6	0.7	-	3.6		
Nondurable goods	Total	1,392	253	22	-	-	-	231		
	Female	100.0	81.8	18.2	1.6	-	-	16.6		
Durable goods	Total	393	41	-	-	-	-	41		
	Female	28.2	25.3	2.9	-	-	-	2.9		
Nonmanufacturing industries	Total	2,718	304	44	45	5	-	210		
	Female	100.0	88.8	11.2	1.6	0.2	-	7.7		
783 Welders and cutters	Total	1,354	159	30	22	-	-	107		
	Female	49.8	44.0	5.8	1.1	0.8	-	3.9		
784 Solderers and brazers	Total	220	34	7	-	-	8	19		
	Female	100.0	84.5	15.5	3.2	-	3.6	8.6		
785 Assemblers	Total	81	-	-	-	-	-	-		
	Female	36.8	36.8	-	-	-	-	-		
786 Hand cutting and trimming occupations	Total	636	38	5	5	-	-	33		
	Female	100.0	94.0	6.0	0.8	-	-	5.2		
787 Hand molding, casting, and forming occupations	Total	76	11	-	-	-	-	7		
	Female	11.9	10.8	1.1	-	-	-	1.1		
788 Solderers and brazers	Total	461	77	12	6	5	-	54		
	Female	100.0	83.3	16.7	2.6	1.3	-	11.7		
789 Assemblers	Total	419	77	12	6	5	-	54		
	Female	90.9	74.2	16.7	2.6	1.3	-	11.7		
790 Hand cutting and trimming occupations	Total	4,720	371	80	38	12	-	241		
	Female	100.0	92.1	7.9	1.7	0.8	-	5.1		
791 Hand molding, casting, and forming occupations	Total	2,908	180	41	38	6	-	95		
	Female	61.6	57.8	3.8	0.9	0.8	-	2.0		
792 Hand cutting and trimming occupations	Total	5	5	-	-	-	-	-		
	Female	100.0	100.0	-	-	-	-	-		
793 Hand molding, casting, and forming occupations	Total	5	5	-	-	-	-	-		
	Female	100.0	100.0	-	-	-	-	-		
794 Hand molding, casting, and forming occupations	Total	15	15	-	-	-	-	-		
	Female	100.0	100.0	-	-	-	-	-		
795 Hand molding, casting, and forming occupations	Total	6	6	-	-	-	-	-		
	Female	40.0	40.0	-	-	-	-	-		

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
Machine Operators, Assemblers, and Inspectors (continued):								
789 Hand painting, coating, and decorating occupations	Total % 61 100.0	40 65.6 24 39.3	21 34.4	-	-	-	-	21 34.4
793 Hand engraving and printing occupations	Total % 100.0	-	-	-	-	-	-	-
794 Hand grinding and polishing occupations	Total % 100.0	-	-	-	-	-	-	-
795 Miscellaneous hand working occupations	Total % 75 100.0	71 94.7	4 5.3	-	-	-	-	4 5.3
796 Production inspectors, checkers, and examiners	Total % 2,095 100.0	56.0 1,929	166 7.9	27 1.3	-	9 0.4	-	130 6.2
797 Production testers	Total % 457 100.0	61.7 436	4.2 21	0.9 4.6	-	0.4 1.3	-	2.9 15
798 Production samplers and weighers	Total % 11 100.0	11 100.0	1.3 11	-	1.3 11	-	-	3.3 30
799 Graders and sorters, except agricultural	Total % 133 100.0	63.6 127	6 4.5	6 4.5	-	-	-	-
Transportation and Material Moving Occupations:								
803 Supervisors, motor vehicle operators	Total % 31 100.0	31 100.0	-	-	-	-	-	-
804 Truck drivers, heavy	Total % 1,597 100.0	22.6 1,556	41 2.6	6 0.4	-	6 0.4	-	29 1.8
805 Truck drivers, light	Total % 747 100.0	48 3.0 747	3.0 0.4 747	-	-	-	-	-
	Total % 27 100.0	27 100.0	2.7 10.0	-	-	-	-	-
	Total % 3.6 100.0	3.6 100.0	3.6 100.0	-	-	-	-	-

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): 806 Driver-sales workers	Total	207	207	-	-	-	-	-
	Female %	100.0	100.0	-	-	-	-	-
808 Bus drivers	Total	34	34	11	-	-	-	-
	Female %	100.0	96.8	3.2	-	-	-	-
809 Taxicab drivers and chauffeurs	Total	257	246	11	-	-	-	-
	Female %	74.9	71.7	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	13	13	-	-	-	-	-
	Female %	100.0	100.0	-	-	-	-	-
829 Sailors and deckhands	Total	4	4	-	-	-	-	-
	Female %	100.0	100.0	-	-	-	-	-

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
Transportation and Material Moving Occupations (continued): 833 Marine engineers	Total 100.0 Female %	- -	- -	- -	- -	- -	- -	- -
834 Bridge, lock, and lighthouse tenders	Total 100.0 Female %	- -	- -	- -	- -	- -	- -	- -
843 Supervisors: material moving equipment operators	Total 100.0 Female %	43 100.0	- -	- -	- -	- -	- -	- -
844 Operating engineers	Total 100.0 Female %	216 97.3	6 2.7	- -	- -	6 2.7	- -	
845 Longshore equipment operators	Total 100.0 Female %	- -	- -	- -	- -	- -	- -	
848 Hoist and winch operators	Total 100.0 Female %	4 100.0	- -	4 100.0	- -	- -	- -	
849 Crane and tower operators	Total 100.0 Female %	43 100.0	- -	- -	- -	- -	- -	
853 Excavating and loading machine operators	Total 100.0 Female %	59 100.0	- -	- -	- -	- -	- -	
855 Grader, dozer, and scraper operators	Total 100.0 Female %	6 10.2	37 100.0	- -	- -	- -	- -	
856 Industrial truck and tractor equipment operators	Total 100.0 Female %	37 100.0	- -	- -	- -	- -	- -	
859 Miscellaneous material moving equipment operators	Total 100.0 Female %	371 98.1	7 1.9	7 1.9	- -	- -	- -	
	Total 100.0 Female %	5 1.3	40 10.0	- -	- -	- -	40 10.0	
	Total 100.0 Female %	360 90.0	40 10.0	- -	- -	- -	4 1.0	
	Total 100.0 Female %	96 24.0	92 23.0	- -	- -	- -	4 1.0	

Table 3A (continued)

U.S. Department of Labor  
Employment and Training Administration  
1980 Census, Run on 15 May 1983  
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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
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 %	-	-	-	-	-	-	-	-
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 %	-	-	-	-	-	-	-	-
869 Construction laborers	Total	674	642	32	8	-	-	-	24
	Female %	100.0	95.3	4.7	1.2	-	-	-	3.6
873 Production helpers	Total	65	59	6	6	-	-	-	6
	Female %	100.0	90.8	9.2	9.2	-	-	-	9.2
875 Garbage collectors	Total	123	123	-	-	-	-	-	-
	Female %	90	80	10	-	-	-	-	10
876 Stevedores	Total	7	7	-	-	-	-	-	-
	Female %	7.8	7.8	-	-	-	-	-	11.1
877 Stock handlers and baggers	Total	-	-	-	-	-	-	-	-
	Female %	-	-	-	-	-	-	-	-
878 Machine feeders and offbearers	Total	1,239	1,221	18	9	-	-	-	9
	Female %	100.0	98.5	1.5	0.7	-	-	-	0.7
	Total	216	174	42	17	-	-	-	17
	Female %	17.4	17.4	-	-	-	-	-	15.2
	Total	112	95	17	17	-	-	-	17
	Female %	100.0	84.8	15.2	15.2	-	-	-	15.2
	Total	36	36	-	-	-	-	-	-
	Female %	32.1	32.1	-	-	-	-	-	-

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		
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	10.4	10.4	-	-	-	-	-		
	Female	374	374	-	-	-	-	-		
887 Vehicle washers and equipment cleaners	Total	100.0	100.0	-	-	-	-	-		
	Female	20	20	-	-	-	-	-		
888 Hand packers and packagers	Total	53	53	-	-	-	-	-		
	Female	169	130	39	7	-	-	32		
889 Laborers, except construction	Total	100.0	76.9	23.1	4.1	-	-	18.9		
	Female	12	12	-	-	-	-	-		
Laborers, exc. constr., by industry (h) Manufacturing: Nondurable goods	Total	7.1	7.1	-	-	-	-	-		
	Female	1,235	1,049	186	24	-	-	156		
Manufacturing: Durable goods	Total	100.0	84.9	15.1	1.9	-	-	12.6		
	Female	842	715	127	10	-	-	111		
Transportation, communications, and other public utilities	Total	68.2	57.9	10.3	0.8	-	-	9.0		
	Female	1,236	1,153	83	-	-	-	69		
Wholesale and retail trade	Total	100.0	93.3	6.7	-	-	-	5.6		
	Female	160	154	6	-	-	-	6		
All other industries	Total	12.9	12.5	0.5	-	-	-	0.5		
	Female	272	232	40	-	-	-	40		
919 Unemployed, No Civilian Work Experience Since 1975	Total	100.0	85.3	14.7	-	-	-	14.7		
	Female	48	48	-	-	-	-	-		
All other industries	Total	17.6	17.6	-	-	-	-	-		
	Female	203	184	19	-	-	-	12		
All other industries	Total	100.0	90.6	9.4	-	-	-	5.9		
	Female	32	32	-	-	-	-	-		
All other industries	Total	158	158	-	-	-	-	-		
	Female	153	146	7	-	-	-	6		
All other industries	Total	100.0	95.4	4.6	-	-	-	4.6		
	Female	-	-	-	-	-	-	-		
All other industries	Total	336	330	6	-	-	-	6		
	Female	100.0	98.2	1.8	-	-	-	1.8		
All other industries	Total	25	19	6	-	-	-	6		
	Female	7.4	5.7	1.8	-	-	-	1.8		
All other industries	Total	272	261	11	-	-	-	11		
	Female	100.0	96.0	4.0	-	-	-	4.0		
All other industries	Total	55	55	-	-	-	-	-		
	Female	20.2	20.2	-	-	-	-	-		
All other industries	Total	718	570	148	-	-	-	140		
	Female	100.0	79.4	20.6	-	-	-	19.5		
All other industries	Total	377	310	67	-	-	-	67		
	Female	52.5	43.2	9.3	-	-	-	9.3		

Technical Footnotes to Tables 3, 3A and 3B  
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. Therefore, totals may not add horizontally or vertically because of internal problems in the data processing at Lawrence Berkeley.





**Table 4 Occupations of Applicants, by Sex and Minority Status  
Job Service Offices, Division of Employment Security**

Area: Lawrence-Haverhill SMSA  
Year: March 1984

Major Occupational Category	S E X				Minority Status 1/	
	Both Sexes		Female			
	Number	Pct.	Number	Pct.	Number	Pct.
TOTAL APPLICANTS	2,983	100.0	1,123	100.0	819	100.0
<u>2/</u> Professional	378	12.7	142	12.7	22	2.7
Clerical and Sales Services	591	19.8	399	35.5	82	10.0
Agric., Fishery, Forestry	46	1.5	5	0.5	6	0.7
Processing Occupations	81	2.7	15	1.3	29	3.5
Machine Trades	402	13.5	130	11.6	183	22.4
Benchwork Occupations	437	14.6	208	18.5	212	25.9
Structural Work	291	9.8	9	0.8	38	4.6
Miscellaneous	458	15.3	96	8.5	171	20.9
INA	2	0.1	1	0.1	1	0.1

Source: Commonwealth of Massachusetts, Division of Employment Security  
ESARS Table 96 Report Ma 5-32

1/ Minority Status includes: Blacks, Hispanics and all other races. Excludes White.

2/ Includes technicians.

NOTE: Percentages may not add due to rounding.



Table 4A Occupations of Applicants in The Active File in Job Service Offices by Selected Characteristics  
 Area: Lawrence-Haverhill SNSA  
 Year: March 1984

Selected Occupational Group (3-digit DOT Code)	A P P L I C A N T C H A R A C T E R I S T I C S					MINORITY	
	ALL	FEMALE	A G E				VETERAN
			Ages 22-30	45 and Over			
<u>All Occupations</u>	2,983	1,123	1,344	581	489	819	
<u>Professional, Technical and Managerial</u>							
Accountant Manager	378	142	151	99	96	22	
Sales Manager	18	4	8	3	4	2	
Retail Store Manager	12	2	7	4	3	0	
Food Service Manager	12	6	5	2	2	0	
	11	6	6	0	2	1	
<u>Clerical and Sales Work</u>							
Secretary	591	399	251	118	57	82	
Office Clerk	16	16	3	4	0	0	
Bookkeeper	125	119	57	21	6	17	
Stock Clerk	19	17	7	6	1	2	
Receptionist	19	5	6	3	4	2	
Salesperson	14	14	6	4	0	1	
Sales Clerk	12	5	1	2	2	3	
	25	18	7	2	2	6	
<u>Services</u>							
Restaurant Cook	297	118	124	57	58	75	
Kitchen Helper	12	1	4	4	5	0	
Nurses Aide	20	4	9	0	3	7	
Security Guard	28	25	8	3	1	10	
Merchant Patroller	15	0	7	5	10	3	
Commercial Cleaner	13	0	8	4	6	2	
	23	7	4	6	3	6	
<u>Farming, Fishery, Forestry</u>							
Landscape Gardener	46	5	23	6	7	6	
	13	0	5	3	4	2	
<u>Processing Occupations</u>							
Machine Trades	81	15	33	21	15	29	
Machinist	402	130	197	91	71	183	
Automobile Mechanic	13	0	6	2	6	1	
Maintenance Mechanic	12	0	5	4	5	3	
Standard Machine Stitcher	18	0	10	4	8	6	
	65	53	25	20	0	43	
<u>Bench Work</u>							
Electronics Assembler	437	208	204	98	33	212	
Sewing-Machine Operator	66	35	41	10	2	31	
Hand Cementer	11	9	3	4	0	8	
	24	12	8	6	0	21	
<u>Structural Work</u>							
Automobile-Body Repairer	291	9	148	37	83	38	
	12	0	0	1	1	0	

Source: Commonwealth of Massachusetts, Division of Employment Security ESARS Table 96 Report #MA5-62

1/ Occupational group with at least 11 Registered Applicants in the Active File

2/ NEC - Not elsewhere classified

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Table 4A Occupations of Applicants in The Active File in Job Service Offices by Selected Characteristics

Area: Lawrence-Haverhill SMSA

Year: March 1984

Selected Occupational Group (3-digit DOT Code)	APPLICANT CHARACTERISTICS						
	ALL	FEMALE	AGE			VETERAN	MINORITY
			Ages 22-30	45 and Over			
Painter	24	0	11	6	6	1	
Carpenter	21	0	7	4	10	1	
Construction Worker	52	0	31	2	12	11	
Building Maintenance Repairer	21	0	9	2	9	2	
<u>Miscellaneous Work</u>	458	96	212	54	69	171	
Tractor-Trailer-Truck Driver	20	0	10	7	11	1	
Truck Driver, Heavy	20	0	12	1	6	1	
Truck Driver, Light	14	1	8	2	9	3	
Hand Packager	62	42	26	14	2	38	
Material Handler	213	29	97	11	21	91	

Source: Commonwealth of Massachusetts, Division of Employment Security ESARS Table 96 Report #MA5-62

1/ Occupational group with at least 11 Registered Applicants in the Active File

2/ NEC - Not elsewhere classified





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