

## **Appendices C: Tables**

**Table A – Species of Conservation Concern**

<b>Species</b>	<b>Scientific Name</b>	<b>MA Species of Conservation Concern</b>
<b>American Waterwort</b>	<i>Elatine Americana</i>	E
<b>Eaton’s Begger-ticks</b>	<i>Bidens eatonii</i>	E
<b>Englemann’s Umbrella-sedge</b>	<i>Cyperus engelmannii</i>	T
<b>Estuary Arrowhead</b>	<i>Sagittaria montevidensis ssp. spongiosa</i>	E
<b>Parker’s Pipework</b>	<i>Eriocaulon parkeri</i>	E
<b>Seabeach Dock</b>	<i>Rumex pallidus</i>	T
<b>Vasey’s Pondweed</b>	<i>Potamogeton vaseyi</i>	E
<b>New England Siltsnail</b>	<i>Floridobia winkleyi</i>	SC
<b>Arrow Clubtail</b>	<i>Stylurus spiniceps</i>	Non-listed SWAP
<b>Cobra Clubtail</b>	<i>Gomphus vastus</i>	SC
<b>Coppery Emerald</b>	<i>Somatochlora georgiana</i>	E
<b>Riverine Clubtail</b>	<i>Stylurus amnicola</i>	E
<b>Umber Shadowdragon</b>	<i>Neurocordulia obsoleta</i>	SC
<b>Atlantic Sturgeon</b>	<i>Acipenser oxyrinchus</i>	E
<b>Shortnose Sturgeon</b>	<i>Acipenser brevirostrum</i>	E
<b>Bald Eagle</b>	<i>Haliaeetus leucocephalus</i>	T

E = Endangered

T = Threatened

SC = Special Concern

[http://maps.massgis.state.ma.us/dfg/biomap/pdf/town\\_core/Chelmsford.pdf](http://maps.massgis.state.ma.us/dfg/biomap/pdf/town_core/Chelmsford.pdf)

**Table B – Census 2010 Minority Population**



Location: User-specified polygonal location  
 Ring (buffer): 0-mile radius  
 Description:

Summary	
Population	1,487
Population Density (per sq. mile)	3,581
Minority Population	311
% Minority	21%
Households	683
Housing Units	712
Land Area (sq. miles)	0.42
% Land Area	78%
Water Area (sq. miles)	0.11
% Water Area	22%

Population by Race		
Total	1,487	-----
Population Reporting One Race	1,447	97%
White	1,195	80%
Black	25	2%
American Indian	0	0%
Asian	210	14%
Pacific Islander	0	0%
Some Other Race	17	1%
Population Reporting Two or More Races	40	3%
Total Hispanic Population	33	2%
Total Non-Hispanic Population	1,454	98%
White Alone	1,176	79%
Black Alone	25	2%
American Indian Alone	0	0%
Non-Hispanic Asian Alone	210	14%
Pacific Islander Alone	0	0%
Other Race Alone	6	0%
Two or More Races Alone	37	2%

Population by Sex		
Male	669	45%
Female	818	55%

Population by Age		
Age 0-4	127	9%
Age 0-17	321	22%
Age 18+	1,166	78%
Age 65+	124	8%

Households by Tenure		
Total	683	
Owner Occupied	571	84%
Renter Occupied	112	16%

**Data Note:** First Row of data is number of people, Second Row is percentage of people compared to whole population.  
**Source:** U.S. Census Bureau, Census 2010 Summary File 1.

## **Table C – Economic Characteristics**



DP03

## SELECTED ECONOMIC CHARACTERISTICS

2010-2014 American Community Survey 5-Year Estimates

Supporting documentation on code lists, subject definitions, data accuracy, and statistical testing can be found on the American Community Survey website in the Data and Documentation section.

Sample size and data quality measures (including coverage rates, allocation rates, and response rates) can be found on the American Community Survey website in the Methodology section.

Although the American Community Survey (ACS) produces population, demographic and housing unit estimates, it is the Census Bureau's Population Estimates Program that produces and disseminates the official estimates of the population for the nation, states, counties, cities and towns and estimates of housing units for states and counties.

Subject	Census Tract 3173.02, Middlesex County, Massachusetts			
	Estimate	Margin of Error	Percent	Percent Margin of Error
<b>EMPLOYMENT STATUS</b>				
Population 16 years and over	4,521	+/-236	4,521	(X)
In labor force	3,412	+/-252	75.5%	+/-3.9
Civilian labor force	3,390	+/-249	75.0%	+/-3.9
Employed	3,197	+/-279	70.7%	+/-4.6
Unemployed	193	+/-120	4.3%	+/-2.7
Armed Forces	22	+/-36	0.5%	+/-0.8
Not in labor force	1,109	+/-183	24.5%	+/-3.9
Civilian labor force	3,390	+/-249	3,390	(X)
Percent Unemployed	(X)	(X)	5.7%	+/-3.6
Females 16 years and over	2,489	+/-198	2,489	(X)
In labor force	1,691	+/-165	67.9%	+/-5.1
Civilian labor force	1,691	+/-165	67.9%	+/-5.1
Employed	1,578	+/-186	63.4%	+/-6.3
Own children under 6 years	360	+/-162	360	(X)
All parents in family in labor force	196	+/-105	54.4%	+/-24.8
Own children 6 to 17 years	738	+/-155	738	(X)
All parents in family in labor force	666	+/-166	90.2%	+/-9.0
<b>COMMUTING TO WORK</b>				
Workers 16 years and over	3,185	+/-283	3,185	(X)
Car, truck, or van -- drove alone	2,721	+/-311	85.4%	+/-5.2
Car, truck, or van -- carpooled	217	+/-128	6.8%	+/-3.9
Public transportation (excluding taxicab)	40	+/-39	1.3%	+/-1.2
Walked	0	+/-17	0.0%	+/-1.1
Other means	0	+/-17	0.0%	+/-1.1
Worked at home	207	+/-93	6.5%	+/-3.1
Mean travel time to work (minutes)	29.9	+/-2.5	(X)	(X)

Subject	Census Tract 3173.02, Middlesex County, Massachusetts			
	Estimate	Margin of Error	Percent	Percent Margin of Error
<b>OCCUPATION</b>				
Civilian employed population 16 years and over	3,197	+/-279	3,197	(X)
Management, business, science, and arts occupations	1,686	+/-254	52.7%	+/-6.9
Service occupations	483	+/-145	15.1%	+/-4.3
Sales and office occupations	754	+/-183	23.6%	+/-5.4
Natural resources, construction, and maintenance occupations	231	+/-94	7.2%	+/-2.8
Production, transportation, and material moving occupations	43	+/-43	1.3%	+/-1.3
<b>INDUSTRY</b>				
Civilian employed population 16 years and over	3,197	+/-279	3,197	(X)
Agriculture, forestry, fishing and hunting, and mining	0	+/-17	0.0%	+/-1.1
Construction	151	+/-92	4.7%	+/-2.9
Manufacturing	326	+/-109	10.2%	+/-3.5
Wholesale trade	75	+/-62	2.3%	+/-1.9
Retail trade	389	+/-133	12.2%	+/-3.8
Transportation and warehousing, and utilities	33	+/-38	1.0%	+/-1.2
Information	84	+/-79	2.6%	+/-2.5
Finance and insurance, and real estate and rental and leasing	189	+/-87	5.9%	+/-2.9
Professional, scientific, and management, and administrative and waste management services	670	+/-169	21.0%	+/-5.1
Educational services, and health care and social assistance	722	+/-176	22.6%	+/-4.8
Arts, entertainment, and recreation, and accommodation and food services	247	+/-112	7.7%	+/-3.4
Other services, except public administration	212	+/-125	6.6%	+/-3.8
Public administration	99	+/-73	3.1%	+/-2.3
<b>CLASS OF WORKER</b>				
Civilian employed population 16 years and over	3,197	+/-279	3,197	(X)
Private wage and salary workers	2,720	+/-260	85.1%	+/-4.6
Government workers	363	+/-138	11.4%	+/-4.1
Self-employed in own not incorporated business workers	114	+/-69	3.6%	+/-2.1
Unpaid family workers	0	+/-17	0.0%	+/-1.1
<b>INCOME AND BENEFITS (IN 2014 INFLATION-ADJUSTED DOLLARS)</b>				
Total households	2,567	+/-96	2,567	(X)
Less than \$10,000	88	+/-81	3.4%	+/-3.2
\$10,000 to \$14,999	217	+/-128	8.5%	+/-5.0
\$15,000 to \$24,999	197	+/-99	7.7%	+/-3.9
\$25,000 to \$34,999	149	+/-87	5.8%	+/-3.4
\$35,000 to \$49,999	357	+/-140	13.9%	+/-5.4
\$50,000 to \$74,999	348	+/-114	13.6%	+/-4.4
\$75,000 to \$99,999	247	+/-109	9.6%	+/-4.2
\$100,000 to \$149,999	456	+/-134	17.8%	+/-5.2
\$150,000 to \$199,999	353	+/-127	13.8%	+/-5.0
\$200,000 or more	155	+/-84	6.0%	+/-3.3
Median household income (dollars)	69,440	+/-16,179	(X)	(X)
Mean household income (dollars)	89,925	+/-9,350	(X)	(X)
<b>With earnings</b>				
Mean earnings (dollars)	102,423	+/-11,407	(X)	(X)
<b>With Social Security</b>				
Mean Social Security income (dollars)	16,204	+/-1,784	(X)	(X)
<b>With retirement income</b>				
Mean retirement income (dollars)	16,176	+/-4,260	(X)	(X)
<b>With Supplemental Security Income</b>				
	64	+/-53	2.5%	+/-2.0

Subject	Census Tract 3173.02, Middlesex County, Massachusetts			
	Estimate	Margin of Error	Percent	Percent Margin of Error
Mean Supplemental Security Income (dollars)	10,463	+/-2,831	(X)	(X)
With cash public assistance income	26	+/-32	1.0%	+/-1.2
Mean cash public assistance income (dollars)	1,762	+/-1,972	(X)	(X)
With Food Stamp/SNAP benefits in the past 12 months	106	+/-85	4.1%	+/-3.3
<b>Families</b>	<b>1,491</b>	<b>+/-161</b>	<b>1,491</b>	<b>(X)</b>
Less than \$10,000	0	+/-17	0.0%	+/-2.3
\$10,000 to \$14,999	0	+/-17	0.0%	+/-2.3
\$15,000 to \$24,999	27	+/-29	1.8%	+/-2.0
\$25,000 to \$34,999	76	+/-68	5.1%	+/-4.5
\$35,000 to \$49,999	109	+/-65	7.3%	+/-4.4
\$50,000 to \$74,999	260	+/-97	17.4%	+/-6.2
\$75,000 to \$99,999	232	+/-109	15.6%	+/-6.9
\$100,000 to \$149,999	337	+/-121	22.6%	+/-8.1
\$150,000 to \$199,999	295	+/-125	19.8%	+/-7.5
\$200,000 or more	155	+/-84	10.4%	+/-5.9
Median family income (dollars)	104,556	+/-21,722	(X)	(X)
Mean family income (dollars)	120,978	+/-13,382	(X)	(X)
<b>Per capita income (dollars)</b>	<b>42,606</b>	<b>+/-3,381</b>	<b>(X)</b>	<b>(X)</b>
<b>Nonfamily households</b>	<b>1,076</b>	<b>+/-189</b>	<b>1,076</b>	<b>(X)</b>
Median nonfamily income (dollars)	33,750	+/-13,149	(X)	(X)
Mean nonfamily income (dollars)	46,894	+/-9,188	(X)	(X)
Median earnings for workers (dollars)	50,074	+/-5,400	(X)	(X)
Median earnings for male full-time, year-round workers (dollars)	80,248	+/-9,249	(X)	(X)
Median earnings for female full-time, year-round workers (dollars)	52,750	+/-7,928	(X)	(X)
<b>HEALTH INSURANCE COVERAGE</b>				
Civilian noninstitutionalized population	5,443	+/-295	5,443	(X)
With health insurance coverage	5,385	+/-294	98.9%	+/-1.0
With private health insurance	4,919	+/-363	90.4%	+/-3.5
With public coverage	1,210	+/-181	22.2%	+/-3.8
No health insurance coverage	58	+/-56	1.1%	+/-1.0
Civilian noninstitutionalized population under 18 years	1,098	+/-182	1,098	(X)
No health insurance coverage	0	+/-17	0.0%	+/-3.1
Civilian noninstitutionalized population 18 to 64 years	3,422	+/-230	3,422	(X)
In labor force:	3,085	+/-220	3,085	(X)
Employed:	2,917	+/-259	2,917	(X)
With health insurance coverage	2,859	+/-256	98.0%	+/-1.9
With private health insurance	2,774	+/-259	95.1%	+/-3.5
With public coverage	102	+/-93	3.5%	+/-3.1
No health insurance coverage	58	+/-56	2.0%	+/-1.9
Unemployed:	168	+/-116	168	(X)
With health insurance coverage	168	+/-116	100.0%	+/-18.7
With private health insurance	126	+/-101	75.0%	+/-35.9
With public coverage	42	+/-66	25.0%	+/-35.9
No health insurance coverage	0	+/-17	0.0%	+/-18.7
Not in labor force:	337	+/-95	337	(X)
With health insurance coverage	337	+/-95	100.0%	+/-9.9
With private health insurance	220	+/-84	65.3%	+/-17.9
With public coverage	130	+/-68	38.6%	+/-16.7
No health insurance coverage	0	+/-17	0.0%	+/-9.9



Subject	Census Tract 3173.02, Middlesex County, Massachusetts			
	Estimate	Margin of Error	Percent	Percent Margin of Error
PERCENTAGE OF FAMILIES AND PEOPLE WHOSE INCOME IN THE PAST 12 MONTHS IS BELOW THE POVERTY LEVEL				
All families	(X)	(X)	0.0%	+/-2.3
With related children under 18 years	(X)	(X)	0.0%	+/-5.5
With related children under 5 years only	(X)	(X)	0.0%	+/-29.9
Married couple families	(X)	(X)	0.0%	+/-2.9
With related children under 18 years	(X)	(X)	0.0%	+/-6.9
With related children under 5 years only	(X)	(X)	0.0%	+/-34.0
Families with female householder, no husband present	(X)	(X)	0.0%	+/-14.7
With related children under 18 years	(X)	(X)	0.0%	+/-34.0
With related children under 5 years only	(X)	(X)	-	**
All people	(X)	(X)	3.6%	+/-2.6
Under 18 years	(X)	(X)	0.0%	+/-3.1
Related children under 18 years	(X)	(X)	0.0%	+/-3.1
Related children under 5 years	(X)	(X)	0.0%	+/-12.4
Related children 5 to 17 years	(X)	(X)	0.0%	+/-4.1
18 years and over	(X)	(X)	4.5%	+/-3.2
18 to 64 years	(X)	(X)	3.5%	+/-2.7
65 years and over	(X)	(X)	8.0%	+/-10.2
People in families	(X)	(X)	0.0%	+/-0.8
Unrelated individuals 15 years and over	(X)	(X)	15.3%	+/-10.3

Data are based on a sample and are subject to sampling variability. The degree of uncertainty for an estimate arising from sampling variability is represented through the use of a margin of error. The value shown here is the 90 percent margin of error. The margin of error can be interpreted roughly as providing a 90 percent probability that the interval defined by the estimate minus the margin of error and the estimate plus the margin of error (the lower and upper confidence bounds) contains the true value. In addition to sampling variability, the ACS estimates are subject to nonsampling error (for a discussion of nonsampling variability, see Accuracy of the Data). The effect of nonsampling error is not represented in these tables.

Workers include members of the Armed Forces and civilians who were at work last week.

Occupation codes are 4-digit codes and are based on Standard Occupational Classification 2010.

Industry codes are 4-digit codes and are based on the North American Industry Classification System (NAICS). The Census industry codes for 2013 and later years are based on the 2012 revision of the NAICS. To allow for the creation of 2010-2014 tables, industry data in the multiyear files (2010-2014) were recoded to 2013 Census industry codes. We recommend using caution when comparing data coded using 2013 Census industry codes with data coded using Census industry codes prior to 2013. For more information on the Census industry code changes, please visit our website at <http://www.census.gov/people/io/methodology/>.

Logical coverage edits applying a rules-based assignment of Medicaid, Medicare and military health coverage were added as of 2009 -- please see [http://www.census.gov/hhes/www/hlthins/publications/coverage\\_edits\\_final.pdf](http://www.census.gov/hhes/www/hlthins/publications/coverage_edits_final.pdf) for more details. The corresponding 2008 data table in American FactFinder does not incorporate these edits and is therefore not comparable to this table in 2009, 2010, 2011, or 2012. Select geographies of 2008 data comparable to the 2009, 2010, 2011, and 2012 tables are accessible at <http://www.census.gov/hhes/www/hlthins/data/acs/2008/re-run.html>.

The health insurance coverage category names were modified in 2010. See ACS Health Insurance Definitions for a list of the insurance type definitions.

While the 2010-2014 American Community Survey (ACS) data generally reflect the February 2013 Office of Management and Budget (OMB) definitions of metropolitan and micropolitan statistical areas; in certain instances the names, codes, and boundaries of the principal cities shown in ACS tables may differ from the OMB definitions due to differences in the effective dates of the geographic entities.

Estimates of urban and rural population, housing units, and characteristics reflect boundaries of urban areas defined based on Census 2010 data. As a result, data for urban and rural areas from the ACS do not necessarily reflect the results of ongoing urbanization.

Source: U.S. Census Bureau, 2010-2014 American Community Survey 5-Year Estimates

#### Explanation of Symbols:

1. An '\*\*\*' entry in the margin of error column indicates that either no sample observations or too few sample observations were available to compute a standard error and thus the margin of error. A statistical test is not appropriate.
2. An '-' entry in the estimate column indicates that either no sample observations or too few sample observations were available to compute an estimate, or a ratio of medians cannot be calculated because one or both of the median estimates falls in the lowest interval or upper interval of an open-ended distribution.
3. An '-' following a median estimate means the median falls in the lowest interval of an open-ended distribution.
4. An '+' following a median estimate means the median falls in the upper interval of an open-ended distribution.
5. An '\*\*\*' entry in the margin of error column indicates that the median falls in the lowest interval or upper interval of an open-ended distribution. A statistical test is not appropriate.
6. An '\*\*\*\*\*' entry in the margin of error column indicates that the estimate is controlled. A statistical test for sampling variability is not appropriate.
7. An 'N' entry in the estimate and margin of error columns indicates that data for this geographic area cannot be displayed because the number of sample cases is too small.
8. An '(X)' means that the estimate is not applicable or not available.

**Table D – RCRA Sites**

<b>Name</b>	<b>EPA REG ID</b>	<b>Address</b>	<b>City</b>	<b>Lat</b>	<b>Long</b>
<b>Additive Tech Corp</b>	110003446209	210 TYNGSBORO RD	CHELMSFORD	42.65132	-71.4003
<b>Alantic Testing &amp; Assembling</b>	110006796100	21 QUIGLEY AVENUE	CHELMSFORD	42.63701	-71.37666
<b>Alpine Cleaners</b>	110003426846	1691 MIDDLESEX ST	LOWELL	42.635575	-71.35203
<b>Alternative Final Finishes Inc</b>	110024346947	166 MIDDLESEX ST	CHELMSFORD	42.63568	-71.36664
<b>Atlantic Auto Body, Carstar</b>	110003439422	1516 MIDDLESEX ST	LOWELL	42.63721	-71.34636
<b>Blanchette Jack</b>	110003473731	77 TYNGSBORO RD	CHELMSFORD	42.643137	-71.38917
<b>Chelmsford Auto Electric</b>	110003433632	110 MIDDLESEX ST	CHELMSFORD	42.63599	-71.37342
<b>Circuit Service Co</b>	110003438021	1995 MIDDLESEX ST	LOWELL	42.6356	-71.36317
<b>Cobham Defense Electronics Systems</b>	110040446390	1001 PAWTUCKET BLVD.	LOWELL	42.64233	-71.37159
<b>Courier North Chelmsford</b>	110008406377	15 WELLMAN AVE	CHELMSFORD	42.647163	-71.38934
<b>Cp Auto Body Inc</b>	110003461496	1599 MIDDLESEX STREET	LOWELL	42.63622	-71.34909
<b>Cvs Pharmacy 1056</b>	110003500140	1815 MIDDLESEX ST	LOWELL	42.6348	-71.35641
<b>Dana Wallboard Supply Inc</b>	110003444960	112 MIDDLESEX ST	CHELMSFORD	42.63595	-71.37312
<b>Duffys Auto Co</b>	110006816669	50 TYNGSBORO ROAD	CHELMSFORD	42.642135	-71.387585
<b>E R Ls Auto Body</b>	110003444327	25 VINAL SQ	CHELMSFORD	42.63943	-71.38337
<b>Greater Lowell Reg Voc Tech Hs</b>	110008406091	250 PAWTUCKET BLVD	TYNGSBOROUGH	42.65116	-71.38484
<b>Gs&amp;P Co</b>	110006501883	160 MIDDLESEX ST	CHELMSFORD	42.63571	-71.36684
<b>Howes Engineering Co Inc</b>	110003494665	55 MIDDLESEX STREET	NORTH CHELMSFORD	42.63776	-71.37774
<b>Jiffy Lube Service Center #364</b>	110003474972	1713 MIDDLESEX ST	LOWELL	42.635369	-71.35276
<b>Lowrey Auto Service</b>	110003442748	170 TYNGSBORO RD	CHELMSFORD	42.64834	-71.39699
<b>Marinel Transportation</b>	110008404583	WARD WAY	CHELMSFORD	42.63123	-71.40839
<b>Metrigraphics Llc</b>	110066864021	1001 PAWTUCKET BLVD	LOWELL	42.64233	-71.37159
<b>Microwave Printed Circuitry</b>	110000795408	81 OLD FERRY RD	LOWELL	42.64108	-71.36088
<b>Mill City Auto Body</b>	110008416295	51 OAKHILL RD	WESTFORD	42.643162	-71.40942
<b>Murphy Bob Nissan</b>	110003433062	1625 MIDDLESEX ST	LOWELL	42.63606	-71.34983

*Environmental Assessment Appendices  
Merrimack River Bank Stabilization - Chelmsford*

<b>Name</b>	<b>EPA REG ID</b>	<b>Address</b>	<b>City</b>	<b>Lat</b>	<b>Long</b>
<b>New England Tele</b>	110003414831	30 GROTN RD	CHELMSFORD	42.6396	-71.38591
<b>Oneil Graphics</b>	110003423714	1 BRIDGEVIEW CIR	TYNGSBOROUGH	42.65871	-71.4041
<b>Palmers Automotive Service</b>	110003438824	1500 MIDDLESEX ST	LOWELL	42.63745	-71.34569
<b>Rite Aid Pharmacy 10119</b>	110003498457	25 WOOD ST	LOWELL	42.633941	-71.35557
<b>Silvas Garage</b>	110006504808	164 MIDDLESEX ST	CHELMSFORD	42.63566	-71.36655
<b>Specialty Materials</b>	110041592755	1449 MIDDLESEX STREET	LOWELL	42.63782	-71.34468
<b>Speedee Oil Change &amp; Tune Up</b>	110009593332	1485 MIDDLESEX ST	LOWELL	42.63768	-71.34506
<b>Stony Brook Auto Body</b>	110025384769	112 TYNGSBORO ROAD	CHELMSFORD	42.6449	-71.39192
<b>Styletek Inc</b>	110002018735	1857 MIDDLESEX STREET	LOWELL	42.63486	-71.35765
<b>Trilap Co Inc</b>	110003447770	100 WOTTON ST	CHELMSFORD	42.641957	-71.382446
<b>Tyngsboro Auto Works</b>	110003483294	33 MIDDLESEX RD	TYNGSBOROUGH	42.65636	-71.4025
<b>University Of Massachusetts Lowell West</b>	110024290701	255 PRINCETON ST	CHELMSFORD	42.63422	-71.36612
<b>W C S Corporation</b>	110003489608	1485 MIDDLESEX ST	LOWELL	42.63768	-71.34506
<b>Walgreen Drug Store 11726</b>	110058242717	1765 MIDDLESEX ST	LOWELL	42.634875	-71.354784
<b>Wang Labs Inc</b>	110002086331	1001 PAWTUCKET BLVD	LOWELL	42.64233	-71.37159
<b>William Branden Company</b>	110001959186	51 MIDDLESEX STREET	CHELMSFORD	42.63812	-71.37911

<https://www.epa.gov/emefdata/em4ef.home>