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Evaluating Strategies to Create Successful Business Incubators in Massachusetts Gateway Cities

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APPENDIX A

DEMOGRAPHIC STUDY TABLES

Table A1 – Annual Population Estimates, 2000-2008

Town	2000	2001	2002	2003	2004	2005	2006	2007	2008	2002-2008 Total Growth	2002-2008 Growth Rate (%)
Hampden	456,573	457,723	460,848	463,442	464,622	465,871	466,944	467,756	469,204	8,356	1.78
Springfield	151,894	151,222	151,313	151,435	151,504	151,567	151,834	151,342	155,521	4,208	2.71
Middlesex	1,468,934	1,476,773	1,473,966	1,470,427	1,467,576	1,465,156	1,467,985	1,475,519	1,487,636	13,670	0.92
Lowell	105,185	105,106	104,532	104,019	103,343	102,682	102,372	102,755	103,175	-1,357	-1.32
Bristol	536,008	538,299	542,717	545,819	545,460	544,688	543,634	544,487	545,810	3,093	0.57
Fall River	92,093	92,236	92,376	92,246	91,792	91,240	90,806	90,794	90,782	-1,594	-1.76
New Bedford	93,874	93,814	93,833	93,741	93,067	92,099	91,432	91,204	91,055	-2,778	-3.05

Source: US Census Bureau, American Factfinder, Annual Population Estimates, 2000-2008

Table A2 - Race Demographics, 2008 (Percent)

	United States	Massachusetts	Hampden County	Springfield	Middlesex County	Lowell	Bristol County	Fall River	New Bedford
Not Hispanic or Latino	84.6	91.4	81.0	63.7	94.2	87.5	94.9	96.0	84.0
White alone	65.4	78.5	70.2	40.1	79.4	55.0	87.1	87.0	72.6
Hispanic or Latino	15.4	8.6	19.0	36.3	5.8	12.5	5.1	4.0	16.0
Black or African American alone	12.1	5.7	7.8	19.7	3.9	8.1	2.9	2.4	4.0
Asian alone	4.4	4.9	1.7	1.9	8.6	22.0	1.8	3.5	0.6
Some other race alone	0.2	0.7	0.2	0.2	1.0	1.0	1.2	0.8	2.7

Source: U.S. Census Bureau, American Community Survey, 2008

**Table A3 – Total Education Attainment, 2008
(Percent)**

	Graduate or Professional Degree	Bachelors Degree or Higher	Associates Degree or Higher	Some College, No Degree or Higher	High School Diploma or Equivalent or Higher
US	10	27	35	56	85
Mass	16	38	46	62	89
Boston MSA	19	42	49	65	90
Hampden	8	23	32	51	84
Middlesex	24	49	55	69	92
Bristol	7	24	32	50	80

Source: U.S. Census Bureau, American Community Survey, 2008

APPENDIX B
INDUSTRY STUDY TABLES

Table B1- Top Industry Sectors in Massachusetts, 2007

NAICS code	Industry description	Establishments (number)	Share Establishments (%)	Paid employees (number)	Share of Paid Employees (%)	First quarter payroll (\$1,000)	Annual payroll (\$1,000)
23	Construction	19,574	11.1	129,529	4.2	1,644,299	7,685,989
31-33	*Manufacturing*	7,656	4.3	271,519	8.8	3,963,971	15,958,926
44-45	Retail trade	25,666	14.5	367,059	11.9	2,237,127	9,290,750
54	*Professional, scientific, and technical services*	22,421	12.7	259,056	8.4	5,296,878	21,944,257
62	Health care and social assistance	17,797	10.1	507,615	16.5	5,328,756	22,519,765

Asterisk Indicates GTWY INQB8R Industry Cluster

Bold Indicates Largest 3 Sectors in Category

Source: US Census Bureau, County Business Patterns, 2007

Table B2- Top Industries in Massachusetts, 2007

NAICS code	Industry description	Establishments (number)	Share Establishments (%)	Paid employees (number)	Share of Paid Employees (%)
Construction					
236118	Residential remodelers	2,788	1.58	9,750	0.32
236220	Commercial and institutional building construction	895	0.51	13,069	0.43
238210	Electrical contractors and other wiring installation contractors	2,601	1.47	20,236	0.66
238220	Plumbing, heating, and air-conditioning contractors	2,830	1.60	21,793	0.71
Manufacturing					
311712	Fresh and frozen seafood processing	44	0.02	2,505	0.08
311811	Retail bakeries	188	0.11	2,010	0.07
311812	Commercial bakeries	106	0.06	4,102	0.13
322222	Coated and laminated paper manufacturing	25	0.01	2,598	0.08
323110	Commercial lithographic printing	296	0.17	6,517	0.21
323113	Commercial screen printing	111	0.06	1,032	0.03
323114	Quick printing	169	0.10	1,032	0.03
325412	Pharmaceutical preparation manufacturing	45	0.03	5,570	0.18
326199	All other plastics product manufacturing	178	0.10	8,306	0.27
334511	Search, detection, and navigation instruments	31	0.02	8,865	0.29
339112	Surgical and medical instrument manufacturing	88	0.05	7,701	0.25
339920	Sporting and athletic goods manufacturing	40	0.02	4,663	0.15
Retail trade					
441110	New car dealers	530	0.30	24,475	0.80
445110	Supermarkets and other grocery (except convenience) stores	1,280	0.72	72,900	2.37
445120	Convenience stores	1,440	0.81	7,057	0.23
445310	Beer, wine, and liquor stores	1,358	0.77	8,667	0.28
446110	Pharmacies and drug stores	930	0.53	24,137	0.79
Professional, scientific, and technical services					
541110	Offices of lawyers	5,063	2.87	32,720	1.06
541211	Offices of certified public accountants	1,270	0.72	13,016	0.42

541330	Engineering services	1,454	0.82	29,214	0.95
541511	Custom computer programming services	1,744	0.99	21,843	0.71
541512	Computer systems design services	1,109	0.63	20,172	0.66
541611	Administrative management consulting services	1,546	0.87	12,701	0.41
541710	R & D in the physical, engineering, & life sciences	865	0.49	37,266	1.21
Health care and social assistance					
621111	Offices of physicians (except mental health specialists)	3,700	2.09	48,080	1.56
621210	Offices of dentists	3,118	1.76	21,818	0.71
621310	Offices of chiropractors	762	0.43	2,472	0.08
621610	Home health care services	515	0.29	23,683	0.77
622110	General medical and surgical hospitals	78	0.04	149,868	4.88
623110	Nursing care facilities	570	0.32	63,518	2.07
623210	Residential mental retardation facilities	953	0.54	15,134	0.49
624190	Other individual and family services	751	0.43	15,050	0.49
624410	Child day care services	1,962	1.11	24,930	0.81

Astrick Indicates GTWY INQB8R Industry Cluster

Bold Indicates Largest Industries in Sector

Data from Professional, Scientific, and Technical Services
 Provided for GTWY INQB8R Model

Source: US Census Bureau, County Business Patterns, 2007

Table B3- Top Sub-Industries in Massachusetts, 2007 (By 4-digit NAICS)

2002 NAICS code	Industry description	Establishments (number)	Share Establishments (%)	Employees	Share employees (%)	Annual payroll (\$1,000)	Share of Annual Payroll (%)
Manufacturing							
3118	Bakeries and tortilla manufacturing	328	0.0019	7,061	0.0023	207,956	0.0052
3231	Printing and related support activities	803	0.0045	14,727	0.0048	662,529	0.0166
3254	Pharmaceutical and medicine manufacturing	87	0.0005	11,865	0.0039	1,075,428	0.0269
3261	Plastics product manufacturing	280	0.0016	13,571	0.0044	645,700	0.0161
3327	Machine shops and threaded product mfg.	689	0.0039	10,399	0.0034	519,010	0.0130
3342	Communications equipment manufacturing	71	0.0004	5,867	0.0019	677,870	0.0170
3344	Semiconductor and other electronic compo mfg	240	0.0014	15,019	0.0049	947,401	0.0237
3345	Electronic instrument manufacturing	269	0.0015	26,188	0.0085	2,208,947	0.0552
3391	Medical equipment and supplies manufacturing	322	0.0018	13,666	0.0044	986,080	0.0247
Professional, Scientific, and Technical Services							
5411	Legal services	5,224	0.0296	33,776	0.0110	2,750,745	0.0688
5413	Architectural, engineering, and related services	2,973	0.0168	42,505	0.0138	3,418,821	0.0855
5415	Computer systems design and related services	3,494	0.0198	50,469	0.0164	4,530,490	0.1133
5416	Management, scientific, and tech consult services	3,628	0.0205	35,672	0.0116	3,582,586	0.0896
5417	Scientific research and development services	1,023	0.0058	43,732	0.0142	4,697,109	0.1175

Table B4 - Top Industries in Hampden County, 2007 (By 6-digit NAICS)

NAICS code	Industry description	Establishments (number)	Share Establishments (%)	Paid Employees (number)	Share Paid Employees (%)	Annual Payroll (\$1,000)
Manufacturing						
323110	Commercial lithographic printing	18	0.1745	554	0.3232	23,049
323113	Commercial screen printing	13	0.1261	195	0.1138	5,972
326199	All other plastics product manufacturing	17	0.1648	752	0.4387	24,463
332710	Machine shops	92	0.8921	1,795	1.0472	100,675
332813	Electroplating, plating, polishing, anodizing, and coloring	12	0.1164	558	0.3255	30,309
339112	Surgical and medical instrument manufacturing	6	0.0582	689	0.4020	47,430
Professional, scientific, and technical services						
541110	Offices of lawyers	306	2.9671	1,482	0.8646	79,426
541211	Offices of certified public accountants	67	0.6497	404	0.2357	24,545
541213	Tax preparation services	47	0.4557	374	0.2182	2,660
541219	Other accounting services	40	0.3879	186	0.1085	4,040
541330	Engineering services	40	0.3879	501	0.2923	33,276
541380	Testing laboratories	17	0.1648	388	0.2264	17,275
541511	Custom computer programming services	30	0.2909	285	0.1663	21,393
541611	Administrative management consulting services	33	0.3200	302	0.1762	11,659
541940	Veterinary services	34	0.3297	446	0.2602	15,696
339932	Game, toy, and children's vehicle manufacturing	6	0.0582	1,349	0.7870	47,750

Table B5, Hampden County Top Industries of Focus, 2007

1. Machine Shops (NAICS 332710 and 3327)

2002 NAICS code	Industry description	Establishments (number)	Share Establishments (%)	Paid Employees (number)	Share Paid Employees (%)
332710	Machine shops	92	0.8921	1795	1.0472

NAICS 3327-Machine Shops and Threaded Product
Manufacturing
Industry Statistics, Annual Average, 2002-
2008

Year	Number of Employees	Number of Establishments	Total Wages (\$1,000)	Average Annual Wage (nonadjusted)
2002	1,983	116	\$91,403	\$46,084
2003	1,879	110	\$87,250	\$46,434
2004	1,871	111	\$89,913	\$48,049
2005	1,884	115	\$93,771	\$49,768
2006	1,898	108	\$99,730	\$52,556
2007	1,877	107	\$103,236	\$54,988
2008	1,883	107	\$107,533	\$57,122
Absolute Growth	-100	-9	16,130	11,038
02-08 Growth (%)	-5.04	-7.76	17.65	23.95

Source: Bureau of Labor Analysis, QCEW, Annual Averages,
2002-2008

2. Doll, Toy, and Game Manufacturing (NAICS 3399 and 33993)

2002 NAICS code	Industry description	Establishments (number)	Share Establishments (%)	Paid Employees (number)	Share Paid Employees (%)
339932	Game, toy, and children's vehicle manufacturing	6	0.0582	1,349	0.7870

NAICS 33993 - Doll, Toy, and Game Manufacturing
Industry Statistics, Annual Average, 2001-2008

Year	Number of Employees	Number of Establishments	Total Wages (\$1,000)	Average Annual Wage (nonadjusted)
2001	1,788	5	\$33,160	\$59,288
2002	-(ND)	-(ND)	-(ND)	-(ND)
2003	1,460	4	\$33,304	\$48,613
2004	1,427	4	\$33,837	\$48,282
2005	1,240	3	\$33,706	\$41,784
2006	1,138	3	\$35,745	\$40,660
2007	1,108	3	\$34,960	\$38,747
2008	-(ND)	3	-(ND)	-(ND)
<hr/>				
Absolute Growth (01-07)	-680	-2	1,800	-20,541
<hr/>				
01-07 Growth (%)	-38.03	-40.00	\$5.43	-34.65

Source: Bureau of Labor Analysis, QCEW, Annual Averages, 2002-2008

3. Printing and Related Support Activities (NAICS 3231, 323113, and 32331)

2002 NAICS code	Industry description	Establishments (number)	Share Establishments (%)	Paid Employees (number)	Share Paid Employees (%)
323110	Commercial lithographic printing	18	0.1745	554	0.3232
323113	Commercial screen printing	13	0.1261	195	0.1138

NAICS- 3231 Printing
Industry Statistics, Annual Average, 2001-2008

Year	Number of Employees	Number of Establishments	Total Wages (\$1,000)	Average Annual Wage (nonadjusted)	
2001	2,166	75	\$75,750	\$34,973	
2002	1,986	75	\$72,670	\$36,590	
2003	1,723	74	\$67,216	\$39,013	
2004	1,921	78	\$78,666	\$40,954	
2005	1,882	77	\$78,636	\$41,790	
2006	1,837	72	\$78,620	\$42,810	
2007	1,832	65	\$79,158	\$43,200	
2008	1,728	62	\$76,623	\$44,346	
Absolute Growth (01-07)		-438	-13	873	9,373
01-07 Growth (%)		-20.22	-17.33	1.15	26.80

Source: Bureau of Labor Analysis, QCEW, Annual Averages,
2002-2008

4. Plastics Product Manufacturing (NAICS 3261 and 326199)

2002 NAICS code	Industry description	Establishments (number)	Share Establishments (%)	Paid Employees (number)	Share Paid Employees (%)
326199	All other plastics product manufacturing	17	0.1648	752	0.4387

NAICS - 3261 Plastics product manufacturing
 Industry Statistics, Annual Average, 2001-
 2008

Year	Number of Employees	Number of Establishments	Total Wages (\$1,000)	Average Annual Wage (nonadjusted)	
2001	2,528	43	\$118,978	\$47,064	
2002	2,044	41	\$96,700	\$47,315	
2003	2,008	41	\$93,588	\$46,610	
2004	1,986	41	\$90,914	\$45,783	
2005	2,129	38	\$102,351	\$48,075	
2006	-(ND)	39	-(ND)	-(ND)	
2007	1,669	37	\$66,591	\$39,891	
2008	1,584	35	\$67,380	\$42,529	
Absolute Growth (01-07)		-944	-8	-51,598	-4,535
01-07 Growth (%)		-37.34	-18.60	-43.37	-9.64

Source: Bureau of Labor Analysis, QCEW, Annual Averages,
 2002-2008

5. Coating, Engraving, and Heat Treating Metals (NAICS 3328 and 332813)

2002 NAICS code	Industry description	Establishments (number)	Share Establishments (%)	Paid Employees (number)	Share Paid Employees (%)
332813	Electroplating, plating, polishing, anodizing, and coloring	12	0.1164	558	0.3255

NAICS 3328 - Coating, Engraving, and Heat Treating Metals
 Industry Statistics, Annual Average, 2001-
 2008

	Year	Number of Employees	Number of Establishments	Total Wages (\$1,000)	Average Annual Wage (nonadjusted)
	2001	788	27	\$32,695	\$41,492
	2002	736	28	\$31,021	\$42,143
	2003	717	27	\$29,921	\$41,756
	2004	735	26	\$32,793	\$44,606
	2005	754	26	\$34,654	\$45,945
	2006	753	27	\$36,953	\$49,064
	2007	759	28	\$39,189	\$51,666
	2008	806	30	\$43,585	\$54,087
Absolute Growth (01-07)		18	3	10,890	12,595
01-07 Growth (%)		2.28	11.11	33.31	30.36

Source: Bureau of Labor Analysis, QCEW, Annual Averages, 2002-2008

6. Surgical and Medical Instrument Manufacturing (NAICS and 3391 and 339112)

2002 NAICS code	Industry description	Establishments (number)	Share Establishments (%)	Paid Employees (number)	Share Paid Employees (%)
339112	Surgical and medical instrument manufacturing	6	0.0582	689	0.4020

NAICS- 3391 Medical Equipment and Supplies
Industry Statistics, Annual Average, 2001-2008

	Year	Number of Employees	Number of Establishments	Total Wages (\$1,000)	Average Annual Wage (nonadjusted)
	2001	250	25	9975	39978
	2002	265	25	11844	44694
	2003	324	23	13685	42226

2004	390	24	17981	46125
2005	969	27	46589	48101
2006	866	25	46272	53457
2007	815	24	41077	50411
2008	740	21	38535	52092
<hr/>				
Absolute Growth (01-07)	490	-4	28,560	12,114
<hr/>				
01-07 Growth (%)	196.00	-16.00	286.32	30.30

Source: Bureau of Labor Analysis, Producer Price Index, Annual Averages, 2002-2008

Table B6 - Top Industries in Middlesex County, 2007 (By 6-digit NAICS)

NAICS code	Industry description	Establishments (number)	Share Establishments (%)	Paid Employees (number)	Share Paid Employees (%)	Annual Payroll (\$1,000)
Manufacturing						
311811	Retail bakeries	33	0.0764	365	0.0440	5,099
311812	Commercial bakeries	31	0.0717	1,031	0.1242	37,809
323110	Commercial lithographic printing	77	0.1782	1,252	0.1508	67,811
323113	Commercial screen printing	27	0.0625	162	0.0195	5,024
323114	Quick printing	43	0.0995	223	0.0269	9,328
323117	Books printing	7	0.0162	635	0.0765	28,331
325412	Pharmaceutical preparation manufacturing	20	0.0463	1,530	0.1843	190,411
325998	Other miscellaneous chemical product mfg.	10	0.0231	992	0.1195	84,663
326199	All other plastics product manufacturing	32	0.0740	1,384	0.1667	79,597
Professional, scientific, and technical services						
541110	Offices of lawyers	1,032	2.3877	4,155	0.5006	236,368
541330	Engineering	511	1.1823	14,722	1.7736	1,385,687

	services					
541511	Custom computer programming services	828	1.9157	13,857	1.6694	1,326,481
541512	Computer systems design services	461	1.0666	7,727	0.9309	763,917
541611	Administrative management consulting services	567	1.3119	3,851	0.4639	422,988
541710	R & D in the physical, engineering, & life sciences	532	1.2309	27,617	3.3271	3,206,246
541720	Research and development in the social sciences and humanities	85	0.1967	4,886	0.5886	378,304

Bold Indicates Largest Industries in Sector

Source: US Census Bureau, County Business Patterns, 2007

Table B7, Middlesex County Top Industries of Focus

1A. Commercial lithographic printing (NAICS 323110)

NAICS code	Industry description	Establishments (number)	Share Establishments (%)	Paid Employees (number)	Share Paid Employees (%)	First quarter payroll (\$1,000)
323110	Commercial lithographic printing	77	0.1782	1,252	0.1508	16,895

NAICS 323110 Commercial lithographic printing
Industry Statistics, Annual Average, 2002-2008

Year	Number of Employees	Number of Establishments	Total Wages (\$1,000)	Average Annual Wage
2002	2,024	91	106,294	52,527
2003	1,913	86	106,103	55,457
2004	1,802	88	102,958	57,125
2005	1,699	80	108,698	63,968
2006	1,505	74	160,179	106,413
2007	1,538	71	168,623	109,614
2008	1,554	70	142,335	91,588
Absolute Growth	-470	-21	36,041	39,061
02-08 Growth (%)	-23.22	-23.08	33.91	74.36

Source: Bureau of Labor Analysis, QCEW, Annual Averages, 2002-2008

2A. Pharmaceutical preparation manufacturing (NAICS 325412)

NAICS code	Industry description	Establishments (number)	Share Establishments (%)	Paid Employees (number)	Share Paid Employees (%)	First quarter payroll (\$1,000)
325412	Pharmaceutical preparation manufacturing	20	0.0463	1,530	0.1843	190,411

NAICS 325412 Pharmaceutical preparation manufacturing

Industry Statistics, Annual Average, 2002-2008

Year	Number of Employees	Number of Establishments	Total Wages (\$1,000)	Average Annual Wage
2002	4,288	31	376,806	87,868
2003	4,678	28	487,405	104,187
2004	2,911	28	363,868	124,998
2005	3,522	31	407,150	115,591
2006	3,734	29	435,738	116,684
2007	4,246	35	536,987	126,471
2008	4,479	2	497,180	111,007
Absolute Growth	191	-29	120,374	23,139
02-08 Growth (%)	4.45	-93.55	31.95	26.33

3A. NAICS 326199 All other plastics product manufacturing

NAICS code	Industry description	Establishments (number)	Share Establishments (%)	Paid Employees (number)	Share Paid Employees (%)	First quarter payroll (\$1,000)
326199	All other plastics product manufacturing	32	0.074	1,384	0.1667	79,597

Industry Statistics, Annual Average, 2002-2008

Year	Number of Employees	Number of Establishments	Total Wages (\$1,000)	Average Annual Wage
2002	-(ND)	-(ND)	-(ND)	-(ND)
2003	-(ND)	-(ND)	-(ND)	-(ND)
2004	1,087	26	50,568	46,510
2005	1,045	23	58,486	55,959
2006	1,142	24	69,784	61,085
2007	1,164	23	65,857	56,566
2008	1,137	21	68,615	60,357
Absolute Growth	50	-5	18,047	13,847
04-08 Growth (%)	4.60	-19.23	35.69	29.77

4A. NAICS 541710 R & D in the physical,

engineering, & life sciences

NAICS code	Industry description	Establishments (number)	Share Establishments (%)	Paid Employees (number)	Share Paid Employees (%)	First quarter payroll (\$1,000)
541710	R & D in the physical, engineering, & life sciences	532	1.2309	27,617	3.3271	3,206,246

NAICS 541710 R & D in the physical, engineering, & life sciences

Industry Statistics, Annual Average, 2002-2008

Year	Number of Employees	Number of Establishments	Total Wages (\$1,000)	Average Annual Wage
2002	17,856	473	1,549,520	86,778
2003	17,311	486	1,608,991	92,945
2004	19,957	512	2,133,176	106,891
2005	21,268	544	2,492,032	117,173
2006	23,139	573	2,550,368	110,217
2007	NA	NA	NA	NA
2008	NA	NA	NA	NA
Absolute Growth	5,283	100	1,000,848	23,439
02-06 Growth (%)	29.59	21.14	64.59	27.01

5A. NAICS 541330 Engineering Services

NAICS code	Industry description	Establishments (number)	Share Establishments (%)	Paid Employees (number)	Share Paid Employees (%)	First quarter payroll (\$1,000)
541330	Engineering services	511	1.1823	14,722	1.7736	1,385,687

NAICS 541330 Engineering services

Industry Statistics, Annual Average, 2002-2008

Year	Number of Employees	Number of Establishments	Total Wages (\$1,000)	Average Annual Wage
2002	12,880	569	994,985	77,250
2003	11,375	567	896,824	78,842
2004	11,244	566	957,345	85,141
2005	11,849	561	1,010,849	85,312
2006	12,248	537	1,104,386	90,171
2007	11,983	535	1,126,331	93,994

2008	12,311	542	1,207,567	98,092
Absolute Growth	-569	-27	212,582	20,842
02-08 Growth (%)	-4.42	-4.75	21.37	26.98

6A. NAICS 541511 Custom computer programming services

NAICS code	Industry description	Establishments (number)	Share Establishments (%)	Paid Employees (number)	Share Paid Employees (%)	First quarter payroll (\$1,000)
541511	Custom computer programming services	828	1.9157	13,857	1.6694	1,326,481

NAICS 541511 Custom computer programming services

Industry Statistics, Annual Average, 2002-2008

Year	Number of Employees	Number of Establishments	Total Wages (\$1,000)	Average Annual Wage
2002	9,786	834	899,242	91,887
2003	9,424	885	1,012,784	107,466
2004	10,281	975	1,137,693	110,665
2005	11,010	1,010	1,215,922	110,435
2006	12,681	912	1,539,348	121,394
2007	14,138	947	1,785,048	126,263
2008	15,777	975	1,963,741	124,471
Absolute Growth	5,991	141	1,064,499	32,584
02-08 Growth (%)	61.22	16.91	118.38	35.46

7A. NAICS 541512 Computer systems design services

NAICS code	Industry description	Establishments (number)	Share Establishments (%)	Paid Employees (number)	Share Paid Employees (%)	First quarter payroll (\$1,000)
541512	Computer systems design services	461	1.0666	7,727	0.9309	763,917

NAICS 541512 Computer systems design services

Industry Statistics, Annual Average, 2002-2008

Year	Number of Employees	Number of Establishments	Total Wages (\$1,000)	Average Annual Wage
2002	17,346	1,022	1,635,159	94,268
2003	13,569	967	1,253,840	92,403

2004	12,744	961	1,296,610	101,745
2005	12,248	945	1,271,198	103,790
2006	12,535	850	1,460,523	116,512
2007	13,470	885	1,578,613	117,197
2008	13,878	912	1,577,002	113,633
Absolute Growth	-3,468	-110	-58,157	19,365
02-08 Growth (%)	-19.99	-10.76	-3.56	20.54

Source: Bureau of Labor Analysis, QCEW, Annual Averages,
2002-2008

Table B8 - Top Industries in Bristol County, 2007

NAICS code	Industry description	Establishments (number)	Establishments Share (%)	Paid employees (number)	Employees by Share (%)	Annual payroll (\$1,000)
Manufacturing						
311712	Fresh and frozen seafood processing	20	0.1471	1,228	0.5890	34,545
311811	Retail bakeries	23	0.1691	158	0.0758	2,235
323110	Commercial lithographic printing	22	0.1618	413	0.1981	16,993
326199	All other plastics product manufacturing	14	0.1029	608	0.2916	26,838
332116	Metal stamping	19	0.1397	732	0.3511	27,312
332710	Machine shops	44	0.3235	500	0.2398	22,655
335929	Other communication and energy wire manufacturing	5	0.0368	1,024	0.4912	46,061
339112	Surgical and medical instrument manufacturing	10	0.0735	695	0.3334	33,449
339911	Jewelry (except costume) manufacturing	21	0.1544	718	0.3444	28,849
Professional, scientific, and technical services						
541110	Offices of lawyers	324	2.3824	1,135	0.5444	54,606
541211	Offices of certified public accountants	74	0.5441	373	0.1789	20,451
541213	Tax preparation services	52	0.3824	502	0.2408	3,864
541219	Other accounting services	51	0.3750	230	0.1103	7,136
541511	Custom computer programming services	52	0.3824	215	0.1031	17,040
541710	R & D in the physical, engineering, & life sciences	17	0.1250	232	0.1113	20,586
541940	Veterinary services	40	0.2941	368	0.1765	12,888

Bold Indicates Largest Industries in Sector

Source: US Census Bureau, County Business Patterns, 2007

Table B9, Bristol County Top Industries of Focus

1A. NAICS 311712/3117 Seafood product preparation and packaging

NAICS code	Industry description	Establishments (number)	Share Establishments (%)	Paid Employees (number)	Share Paid Employees (%)	First quarter payroll (\$1,000)
311712	Fresh and frozen seafood processing	20	0.1471	1,228	0.5890	34,545

NAICS 3117 Seafood product preparation and packaging (not enough consistent data for NAICS 311712)

Industry Statistics, Annual Average, 2002-2008

Year	Number of Employees	Number of Establishments	Total Wages (\$1,000)	Average Annual Wage
2002	927	27	28,287	28,329
2003	999	25	28,775	28,085
2004	1025	24	28,765	25,453
2005	1,130	25	34,352	28,488
2006	1,206	25	38,945	32,692
2007	1,191	25	45,219	34,355
2008	1,316	25	50,304	35,974
Absolute Growth		389	-2	7,645
02-08 Growth (%)		41.96	-7.41	26.99

Source: Bureau of Labor Analysis, QCEW, Annual Averages, 2002-2008

2A. NAICS 332710 Machine shop

NAICS code	Industry description	Establishments (number)	Share Establishments (%)	Paid Employees (number)	Share Paid Employees (%)	First quarter payroll (\$1,000)
332710	Machine shops	44	0.3235	500	0.2398	22,655

NAICS 332710 Machine shop

Industry Statistics, Annual Average, 2002-2008

Year	Number of Employees	Number of Establishments	Total Wages (\$1,000)	Average Annual Wage
2002	513	53	19,212	37,468
2003	461	54	18,025	39,143
2004	454	52	18,922	41,702
2005	463	51	19,583	42,319
2006	443	46	20,677	46,693
2007	462	45	21,570	46,654
2008	436	45	21,577	49,546
Absolute Growth	-77	-8	2,365	12,078
02-08 Growth (%)	-15.01	-15.09	12.31	32.24

Source: Bureau of Labor Analysis, QCEW, Annual Averages, 2002-2008

NAICS 3327 Machine shops and threaded product mfg.

Industry Statistics, Annual Average, 2002-2008

Year	Number of Employees	Number of Establishments	Total Wages (\$1,000)	Average Annual Wage
2002	662	58	25,780	38967
2003	604	59	24,664	40811
2004	602	57	25,899	43005
2005	607	56	26,261	43257
2006	588	51	28,055	47692
2007	601	50	29,303	48771
2008	578	49	30,399	52586
Absolute Growth	-84	-9	4,619	4,619
02-08 Growth (%)	-12.69	-15.52	17.92	17.92

3A. Other communication and energy wire manufacturing (335929)

NAICS code	Industry description	Establishments (number)	Share Establishments (%)	Paid Employees (number)	Share Paid Employees (%)	First quarter payroll (\$1,000)
335929	Other communication and energy wire manufacturing	5	0.0368	1,024	0.4912	46,061

Industry Statistics, Annual Average, 2002-2008

Year	Number of Employees	Number of Establishments	Total Wages (\$1,000)	Average Annual Wage
2002				
2003				
2004	All data disclosed because of small number of establishments			
2005				
2006				
2007				
2008				
Absolute Growth	0	0	0	0
02-08 Growth (%)	NA	NA	NA	NA

Source: Bureau of Labor Analysis, QCEW, Annual Averages, 2002-2008

4A. NAICS 5417 Scientific research and development services (data for NAICS 541710 is mostly disclosed)

NAICS code	Industry description	Establishments (number)	Share Establishments (%)	Paid Employees (number)	Share Paid Employees (%)	First quarter payroll (\$1,000)
541710	R & D in the physical, engineering, & life sciences	17	0.125	232	0.1113	20,586

NAICS 5417 Scientific research and development services (data for NAICS 541710 is mostly disclosed)
Industry Statistics, Annual Average, 2002-2008

Year	Number of Employees	Number of Establishments	Total Wages (\$1,000)	Average Annual Wage
2002	1,061	16	90,378	85,189
2003	1,059	18	78,222	73,835
2004	1,051	22	81,730	77,739
2005	1,023	25	84,378	82,461
2006	1,063	29	89,108	83,860
2007	969	32	83,892	86,575
2008	1,056	36	92,087	87,170
Absolute Growth	-5	20	1,709	1,981
02-08 Growth (%)	-0.47	125.00	1.89	2.33

Source: Bureau of Labor Analysis, QCEW, Annual Averages, 2002-2008

5A. NAICS 541511 Custom computer programming services

NAICS code	Industry description	Establishments (number)	Share Establishments (%)	Paid Employees (number)	Share Paid Employees (%)	First quarter payroll (\$1,000)
541511	Custom computer programming services	52	0.3824	215	0.1031	17,040

NAICS 541511 Custom computer programming services

Industry Statistics, Annual Average, 2002-2008

Year	Number of Employees	Number of Establishments	Total Wages (\$1,000)	Average Annual Wage
2002	99	45	6,038	60,783
2003	122	62	6,932	57,055
2004	160	66	7,746	48,311
2005	171	71	11,192	65,485
2006	168	63	12,546	74,677
2007	190	59	19,307	101,436
2008	230	57	19,863	86,423
Absolute Growth		131	12	25,640
02-08 Growth (%)		132.32	26.67	42.18

Source: Bureau of Labor Analysis, QCEW, Annual Averages, 2002-2008

NAICS 5415 Computer systems design and related services

Industry Statistics, Annual Average, 2002-2008

Year	Number of Employees	Number of Establishments	Total Wages (\$1,000)	Average Annual Wage
2002	270	124	14,640	54,323
2003	557	144	36,967	66,359
2004	553	146	35,344	63,943
2005	533	152	35,562	66,711
2006	563	143	39,355	69,913
2007	573	139	46,418	80,997
2008	507	144	37,052	73,045
Absolute Growth		237	20	18,722
02-08 Growth (%)		87.78	16.13	34.46

Source: Bureau of Labor Analysis, QCEW, Annual Averages, 2002-2008

APPENDIX C
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