

Regional Employment Clusters

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Economic Development Commission
City of Long Beach

Employment by Industry

Employment in the City of Long Beach, 2015

Industry	Employment	Change	Growth Since 2010 (%)		Location Quotient
			Long Beach	LA County	
Prof, Sci, Tech, and Management	14,026	4,674	50.0	12.0	1.1
Health Care	30,748	3,879	14.4	53.8	1.3
Leisure and Hospitality	20,290	3,256	19.1	25.7	1.1
Other Services	7,287	1,199	19.7	-33.0	1.2
Retail Trade	13,604	1,032	8.2	7.7	0.9
Construction	4,298	940	28.0	20.4	0.9
Wholesale Trade	4,834	560	13.1	10.0	0.6
NR/Mining	718	405	129.3	-16.4	2.2
Real Estate	3,282	275	9.2	10.5	1.1
Transport/Warehouse/Util.	11,293	263	2.4	13.9	1.9
Education	1,113	125	12.6	6.2	0.3
Information	1,573	-217	-12.1	7.0	0.2
Finance and Insurance	3,126	-218	-6.5	-3.5	0.6
Manufacturing	8,954	-2,872	-24.3	-4.3	0.7
Admin Support	8,817	-8,083	-47.8	15.3	0.9
Total Private	133,964	5,216	4.1	12.2	—
State Government	5,819	545	10.3	2.2	2.3
Federal Government	4,993	-291	-5.5	-9.4	2.9
Local Government	10,601	-389	-3.5	-2.2	0.7
Total	155,377	5,080	3.4	10.1	—

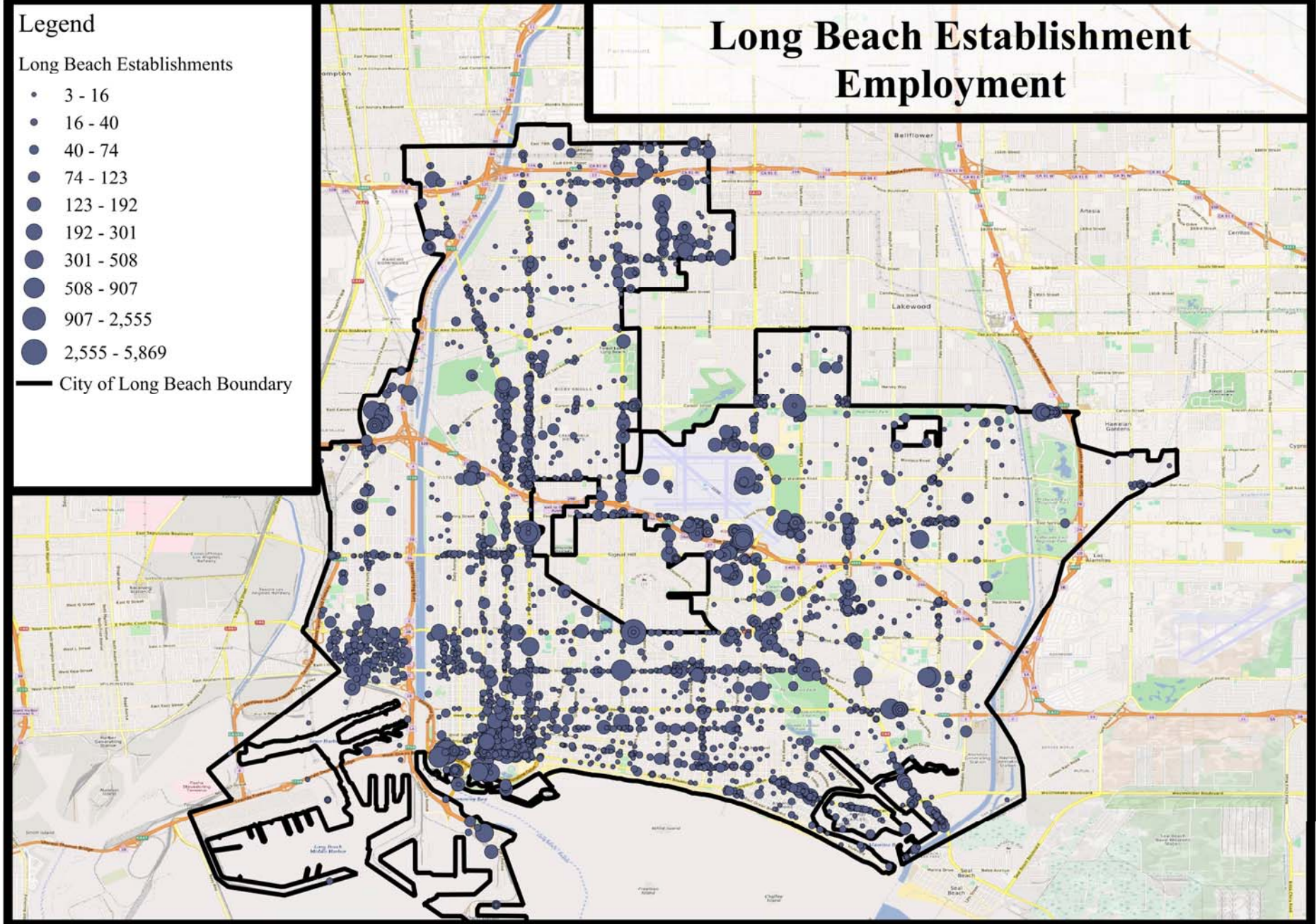
Legend

Long Beach Establishments

- 3 - 16
- 16 - 40
- 40 - 74
- 74 - 123
- 123 - 192
- 192 - 301
- 301 - 508
- 508 - 907
- 907 - 2,555
- 2,555 - 5,869

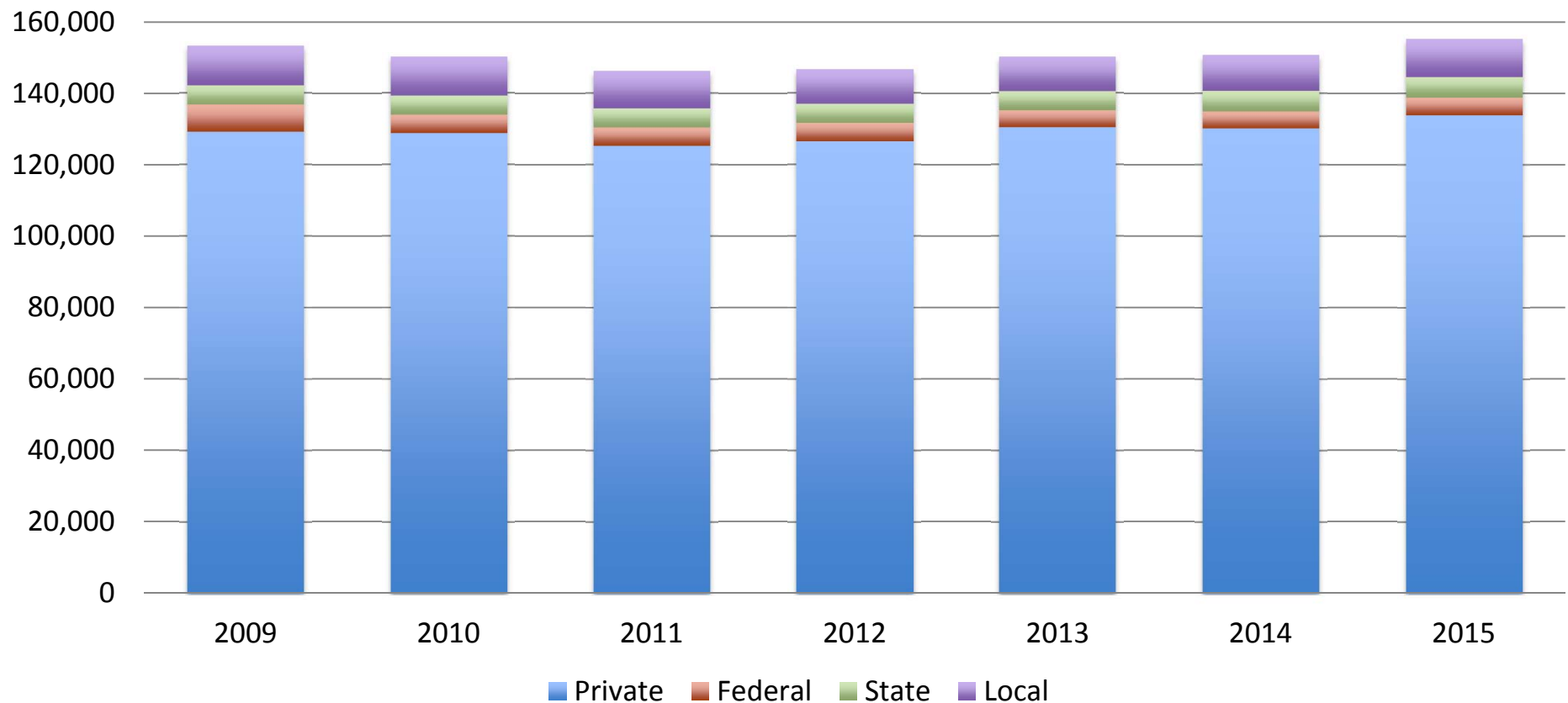
— City of Long Beach Boundary

Long Beach Establishment Employment



Employment by Ownership

Employment by Ownership
2009 to 2015



Key Industries

LOCAL SERVING – *largest number of jobs*

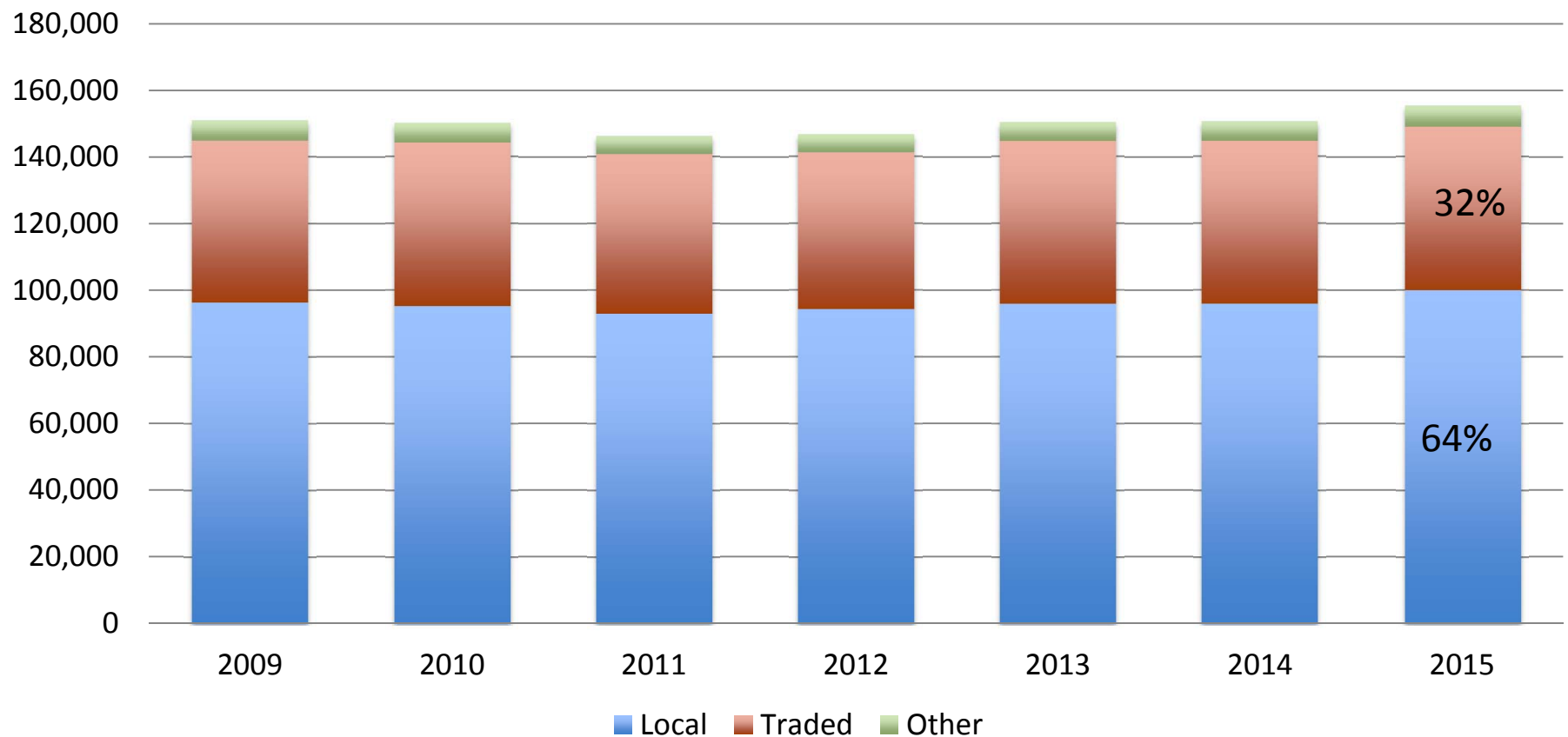
- Health Services
- Retail Trade
- Leisure & Hospitality-Food & Beverage
- Government, Including Education

TRADED or EXPORT-ORIENTED – *sources of new growth*

- Good Movement: Trans & Warehouse/Whsl Trade
- Manufacturing: Food Processing, IT, Aerospace, Bio
- Prof, Scientific & Tech/Info Tech
- Biosciences
- Tourism & Entertainment-Hotels, Arts, Recreation
- Agriculture

Employment Clusters

Traded vs. Local Cluster Employment
2009 to 2015



Traded Cluster Employment Characteristics

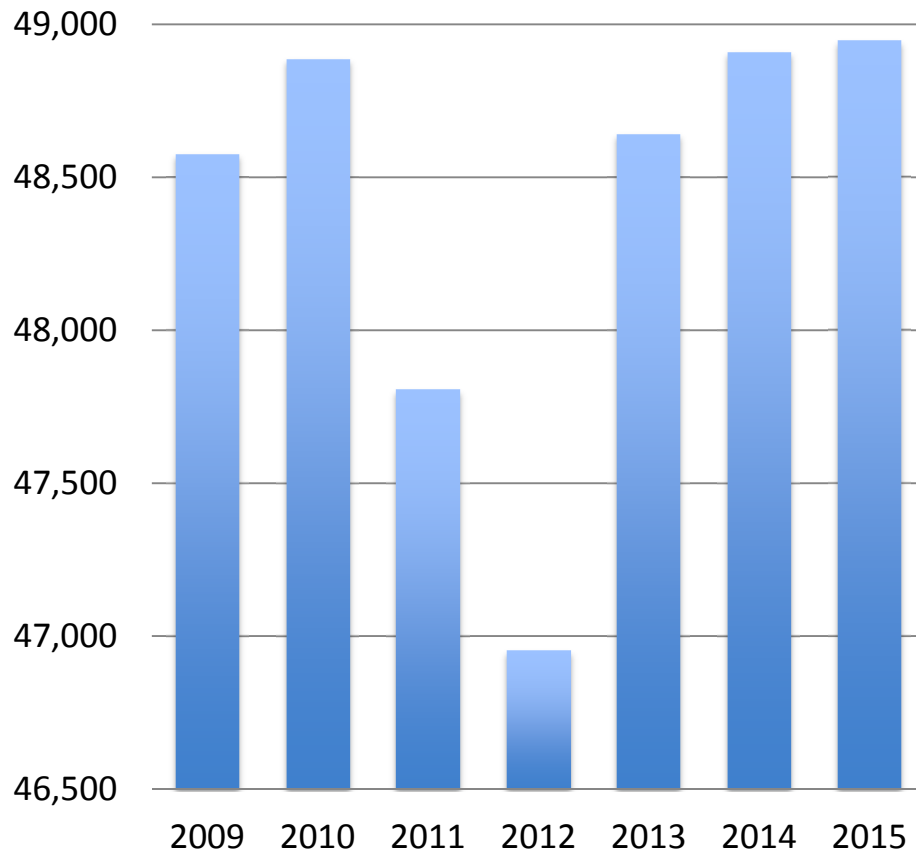
Traded Cluster Employment Characteristics, 2015

Cluster	Estab. Count*	Total Emp. (000s)	Growth Since 2009			Location Quotient
			Long Beach	Long Beach (%)	CA (%)	
Transportation and Logistics	100	8.9	868	10.8	6.8	5.3
Aerospace Vehicles and Defense	12	4.3	-4668	-52.2	-5.9	3.8
Education and Knowledge Creation	198	7.6	736	10.7	5.1	1.2
Business Services	199	10.1	2,079	25.8	23.0	0.9
Hospitality and Tourism	79	4.1	340	9.1	9.7	0.9
Distribution and Electronic Commerce	167	4.3	-368	-7.9	17.5	0.6
Traded Total	1,080	48.9	370	0.8	7.1	-

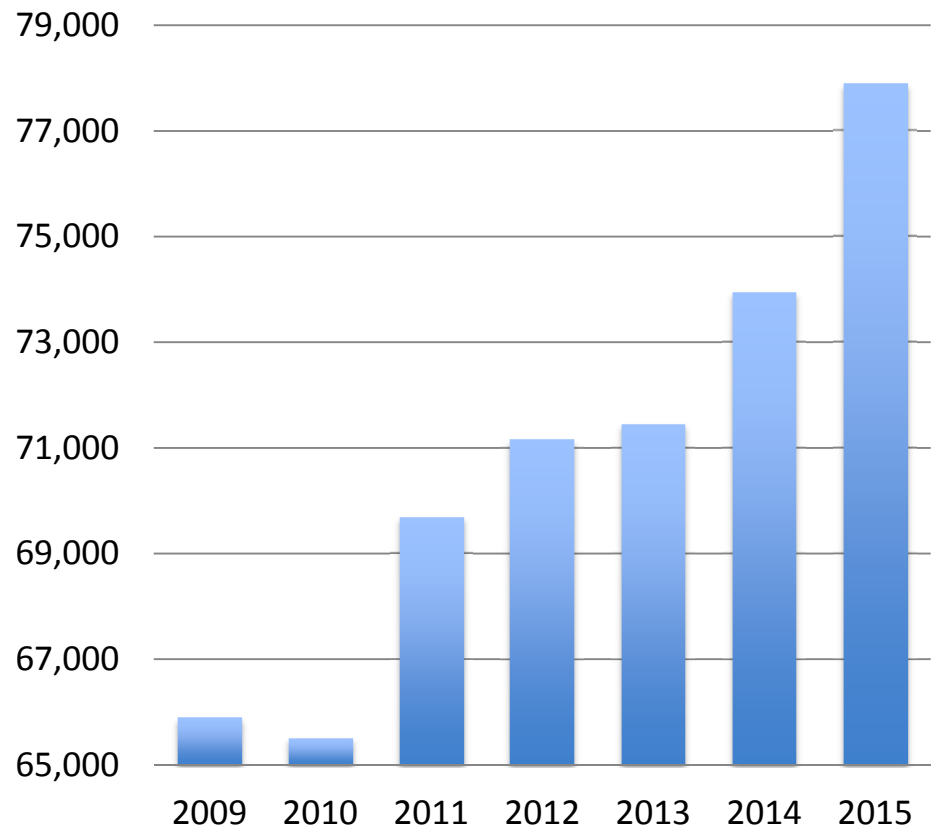
*Measures establishments with more than 3 employees.

Traded Cluster Overview

**Traded Cluster Employment
2009 to 2015**



**Traded Cluster Wages (\$)
2009 to 2015**



Local Cluster Employment Characteristics

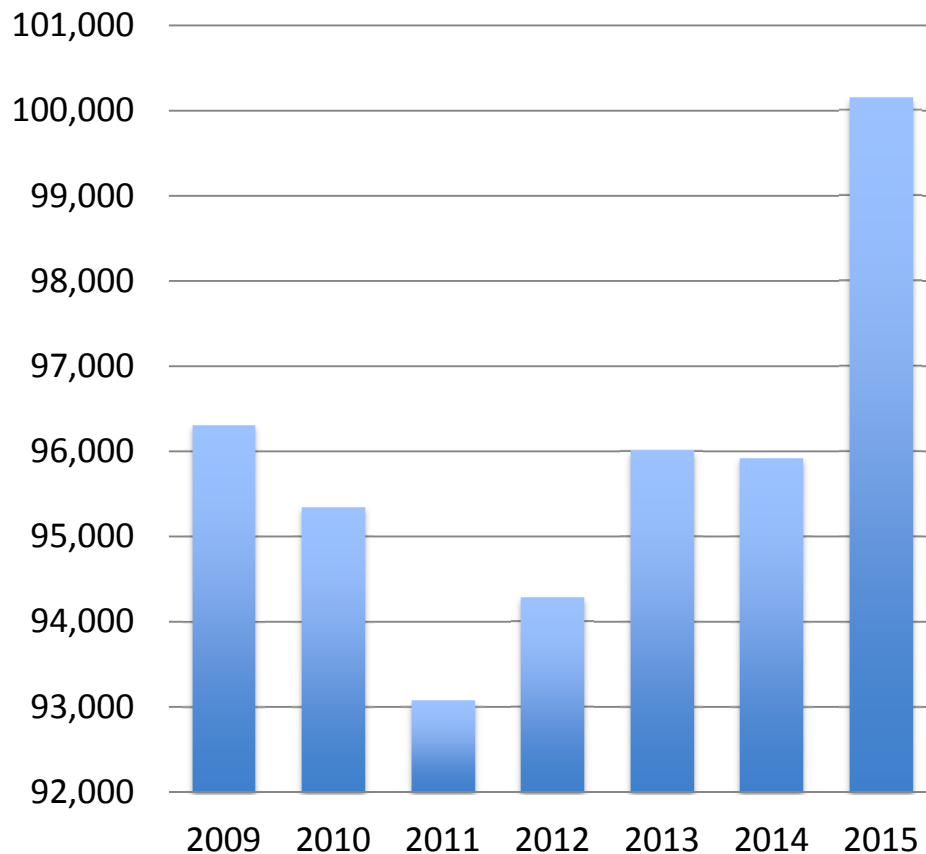
Local Cluster Employment Characteristics, 2015

Cluster	Estab. Count*	Total Emp. (000s)	Growth Since 2009			Location Quotient
			Long Beach	Long Beach (%)	CA (%)	
Local Hospitality Establishments	705	17	2,848	20.1	-79.8	6.7
Local Health Services	634	25.2	1568	6.6	20.0	1.4
Local Entertainment and Media	62	1.8	-109	-5.6	-38.3	1.4
Local Community and Civic Organizations	149	10.8	2,324	27.5	31.9	1.3
Local Personal Services (Non-Medical)	195	2.8	325	13.4	19.2	0.9
Local Logistical Services	70	2.7	-64	-2.3	16.7	0.9
Local Commercial Services	314	10.4	-3,347	-24.4	22.2	0.9
Local Education and Training	178	8.9	-697	-7.3	0.0	0.9
Local Motor Vehicle Products and Services	210	4.1	329	8.7	13.1	0.9
Local Food and Beverage Processing and Distribution	156	4.5	297	7.1	9.4	0.9
Local Financial Services	112	2	-170	-8.0	0.2	0.8
Local Real Estate, Construction, and Development	199	4.5	35	0.8	9.9	0.7
Local Retailing of Clothing and General Merchandise	110	3.4	507	17.7	10.1	0.6
Local Total	3,181	100.1	3,838	4.0	-1.2	-

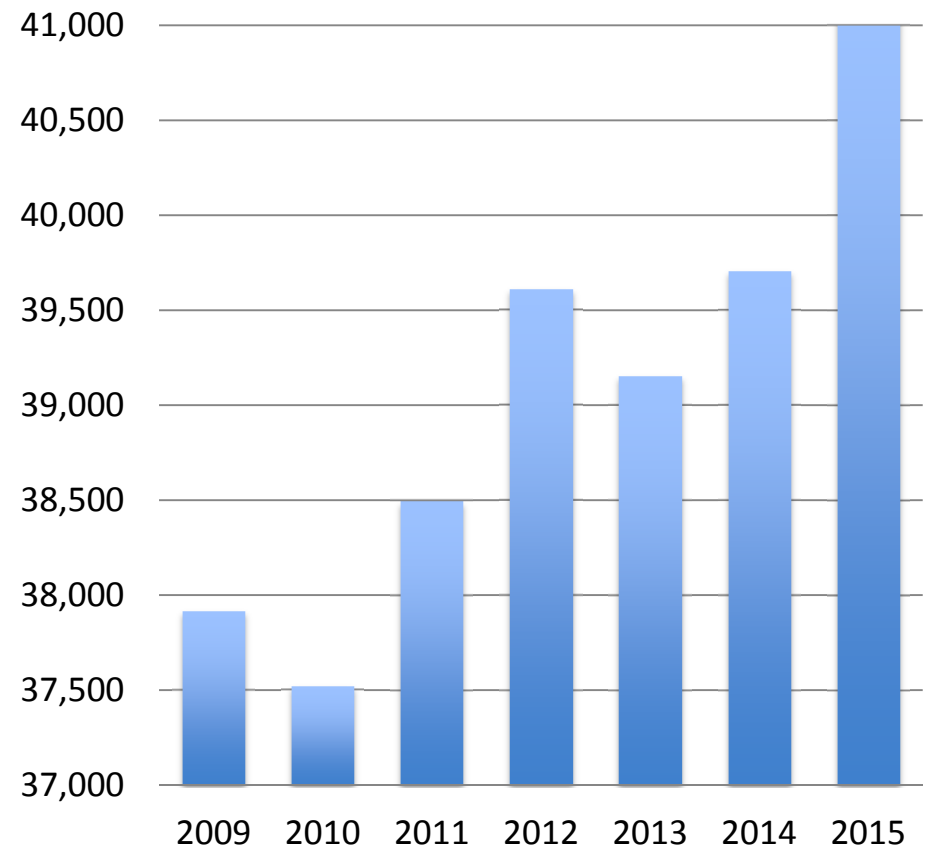
*Measures establishments with more than 3 employees.

Local Cluster Overview

**Local Cluster Employment
2009 to 2015**



**Local Cluster Wages (\$)
2009 to 2015**



Wages by Industry

Average Wage in the City of Long Beach, 2015

Industry	Avg. Wage (\$)	Growth Since 2009 (%)		Wage Differential (%)
		Long Beach	LA County	
Admin Support	39,697	41.1	11.1	3.4
NR/Mining	122,457	40.3	-7.1	60.1
Information	70,216	33.5	16.1	-36.6
Transport/Warehouse/Util.	91,519	25.3	17.1	48.1
Real Estate	60,249	25.0	30.2	-10.1
Construction	69,292	23.6	11.5	16.4
Finance and Insurance	82,842	22.2	21.1	-28.5
Wholesale Trade	77,813	16.0	12.4	26.1
Other Services	33,907	12.6	50.6	-11.2
Retail Trade	29,514	11.4	11.8	-14.2
Leisure and Hospitality	21,479	10.7	8.2	-39.4
Prof, Sci, Tech, and Management	79,191	6.9	16.2	-21.6
Health Care	42,516	3.0	-15.1	1.0
Manufacturing	87,674	2.6	10.3	38.2
Education	33,802	1.0	16.2	-38.8
Total Private	52,534	13.8	10.3	-8.4
Federal Government	86,084	13.8	15.3	6.8
Local Government	57,217	11.9	11.9	-12.9
State Government	60,407	10.6	25.7	-17.6
Total	54,226	13.3	10.5	-7.7

Traded Cluster Wage Characteristics

Traded Cluster Wage Characteristics, 2015

Cluster	Avg. Annual Wage (\$000s)	Growth Since 2009		Wage Differential (%)
		Long Beach (%)	CA (%)	
Transportation and Logistics	96.3	34.7	27.1	49.9
Aerospace Vehicles and Defense	122.5	27.7	12.1	13.4
Education and Knowledge Creation	52.6	0.5	44.3	-41.3
Business Services	79.0	28.6	32.8	-26.8
Hospitality and Tourism	33.7	30.8	21.1	-16.0
Distribution and Electronic Commerce	79.1	18.0	18.9	5.1
Traded Total	77.9	18.2	32.4	-15.7

Local Cluster Wage Characteristics

Local Cluster Wage Characteristics, 2015

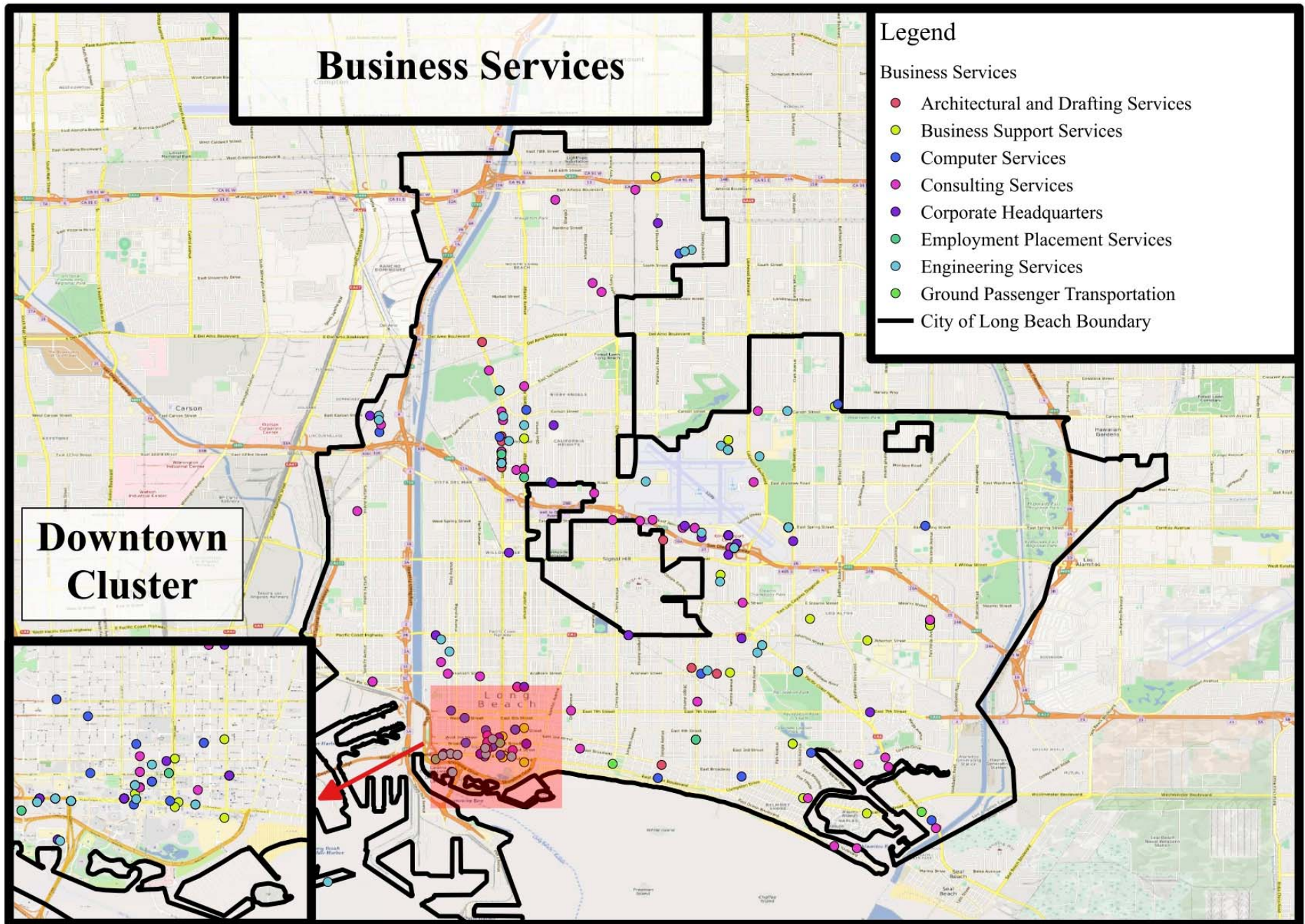
Cluster	Avg. Annual Wage (\$000s)	Growth Since 2009		Wage Differential (%)
		Long Beach (%)	CA (%)	
Local Hospitality Establishments	18.8	10.5	32.3	-18.1
Local Health Services	57.4	7.4	16.4	-9.6
Local Entertainment and Media	21.9	4.2	7.9	-51.1
Local Community and Civic Organizations	18.9	-2.1	-5.8	-14.5
Local Personal Services (Non-Medical)	23.8	5.9	13.0	-21.1
Local Logistical Services	49.1	20.3	11.1	5.6
Local Commercial Services	49.5	23.2	9.9	-3.8
Local Education and Training	54.1	8.2	9.1	11.4
Local Motor Vehicle Products and Services	46.3	23.1	17.5	7.0
Local Food and Beverage Processing and Distribution	29.2	10.2	12.9	-18.2
Local Financial Services	62.6	18.3	27.5	-20.4
Local Real Estate, Construction, and Development	64.7	27.6	18.0	5.5
Local Retailing of Clothing and General Merchandise	19.7	5.4	8.5	-19.6
Local Total	41.3	8.9	21.1	-13.0

Traded Cluster Employment Characteristics

Traded Cluster Employment Characteristics, 2015

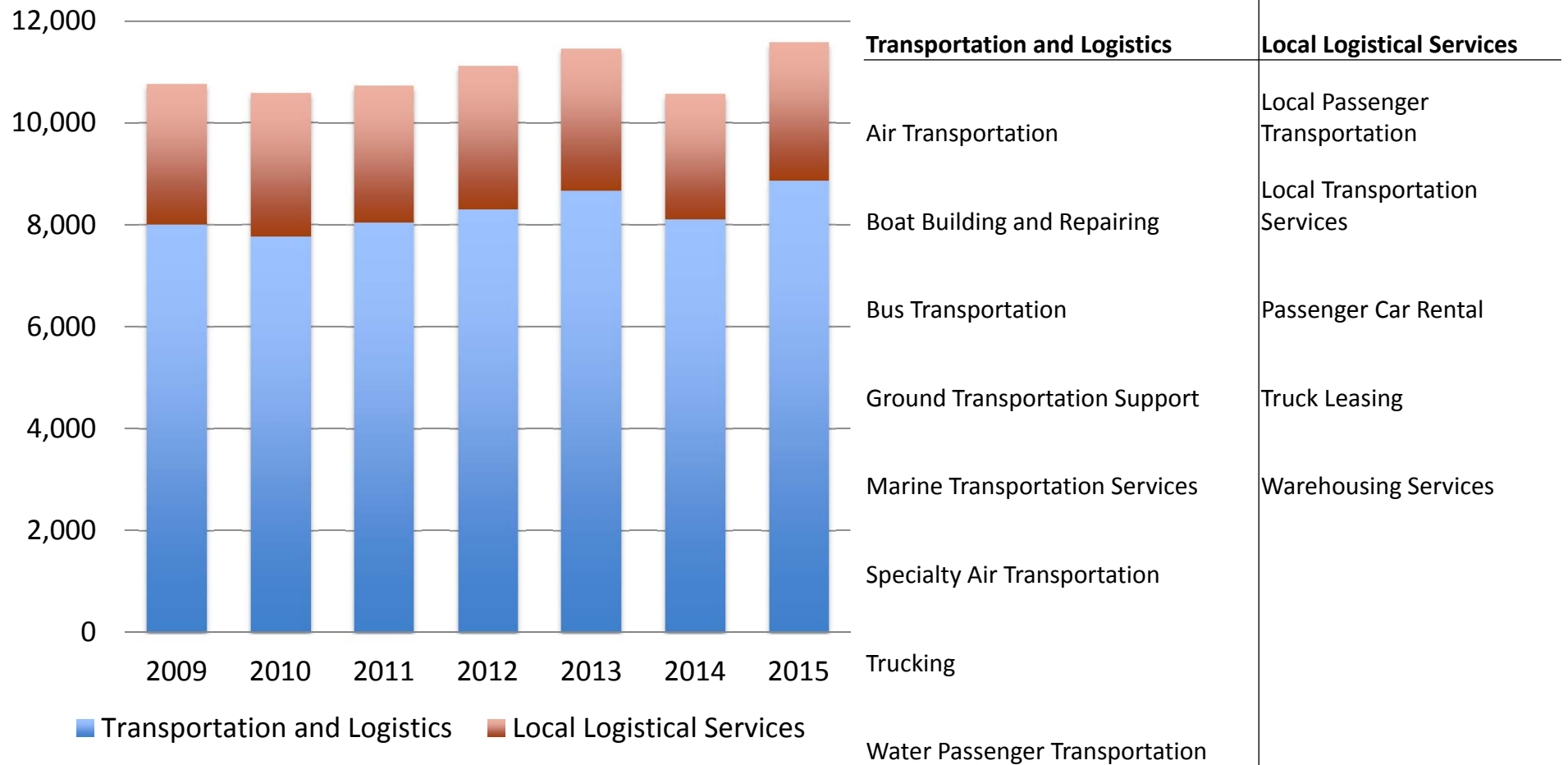
Cluster	Estab. Count*	Total Emp. (000s)	Growth Since 2009			Location Quotient
			Long Beach	Long Beach (%)	CA (%)	
Transportation and Logistics	100	8.9	868	10.8	6.8	5.3
Aerospace Vehicles and Defense	12	4.3	-4668	-52.2	-5.9	3.8
Education and Knowledge Creation	198	7.6	736	10.7	5.1	1.2
Business Services	199	10.1	2,079	25.8	23.0	0.9
Hospitality and Tourism	79	4.1	340	9.1	9.7	0.9
Distribution and Electronic Commerce	167	4.3	-368	-7.9	17.5	0.6
Traded Total	1,080	48.9	370	0.8	7.1	-

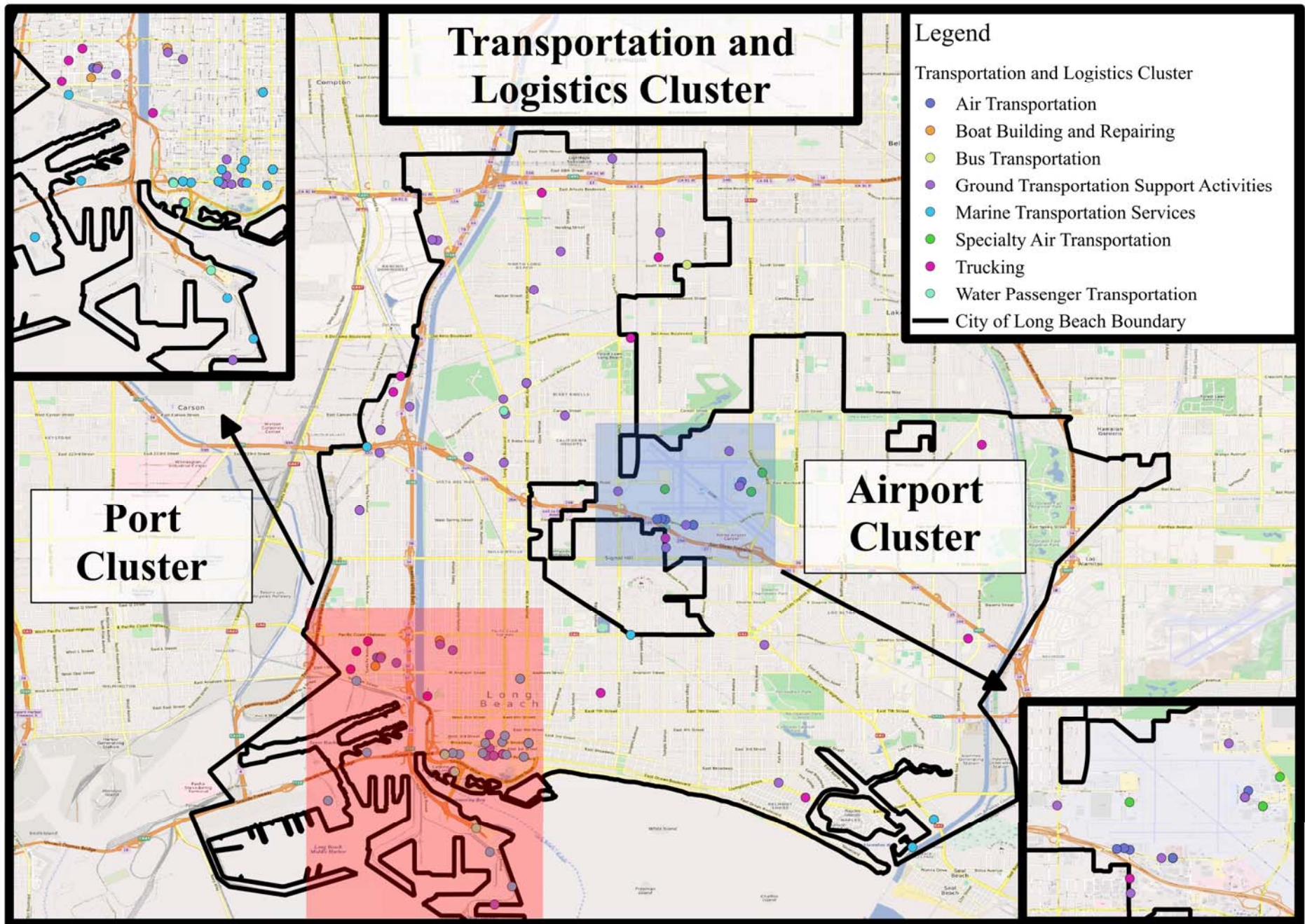
*Measures establishments with more than 3 employees.



Traded vs. Local – Logistics

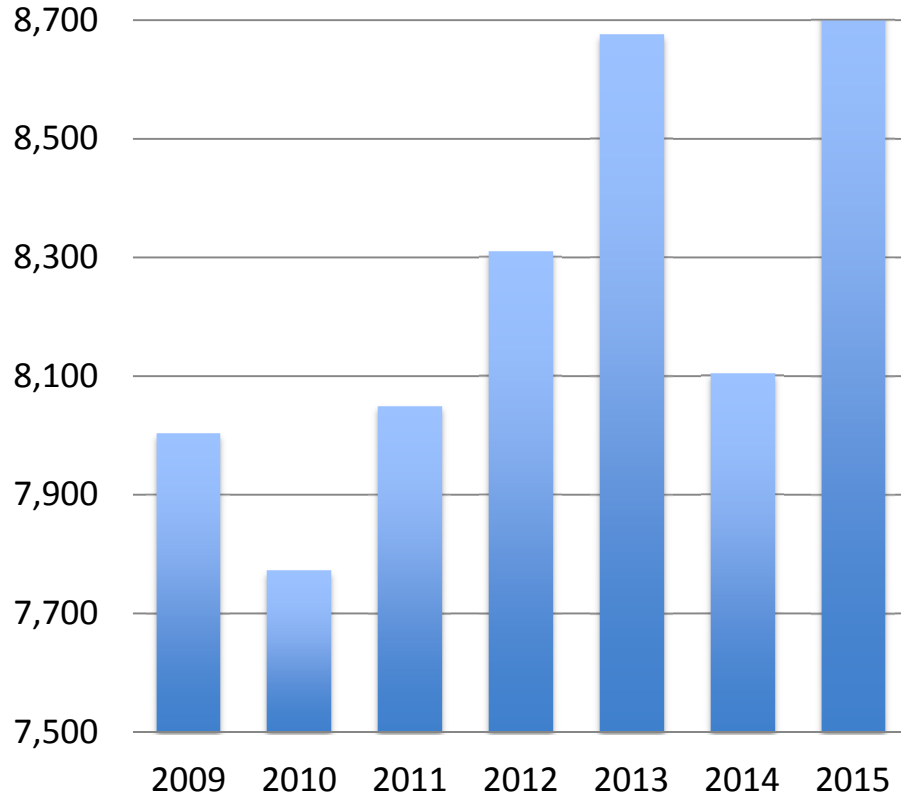
Traded vs. Local – Logistics Employment



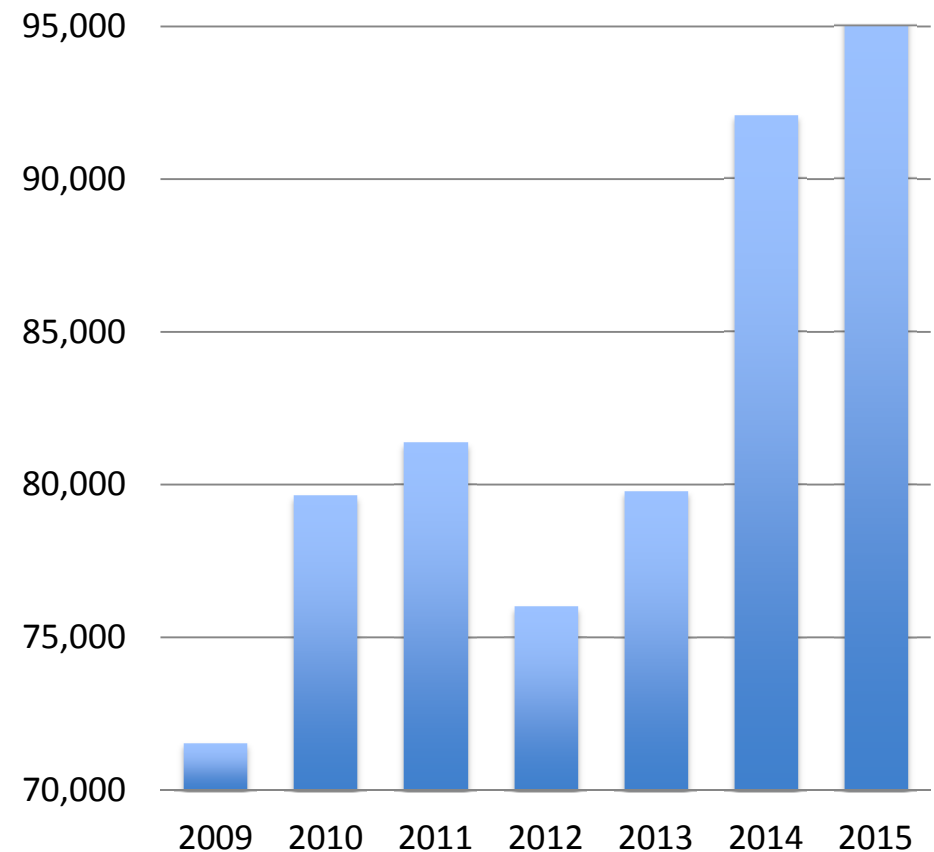


Transportation and Logistics

**Transportation and Logistics
Employment
2009 to 2015**



**Transportation and Logistics Wages (\$)
2009 to 2015**



Transportation and Logistics Subclusters

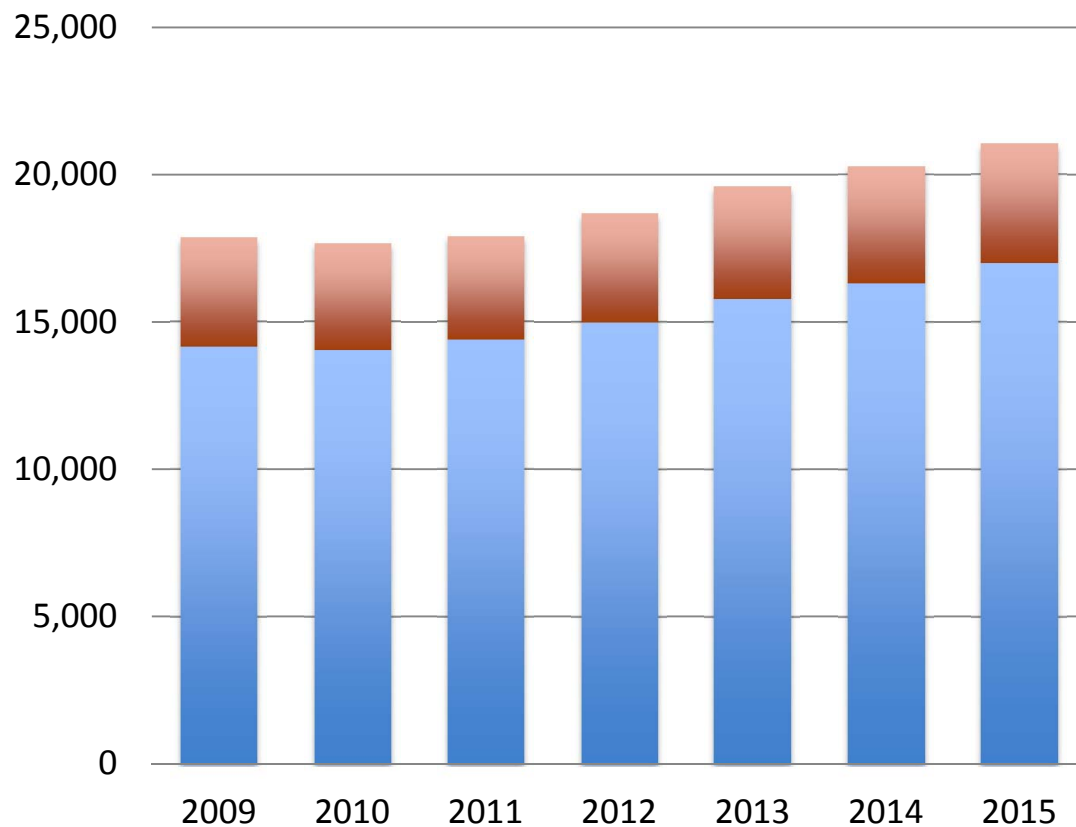
Transportation and Logistics Subcluster Employment Characteristics, 2015

Subcluster	Estab. Count*	Total Emp. (000s)	Growth Since 2009			Avg. Annual Wage (\$000s)
			Long Beach	Long Beach (%)	CA (%)	
Marine Transportation Services	28	6.4	7	0.1	-5.8	105.4
Ground Transportation Support Activities	43	1.1	200	22.6	34.8	81.3
Water Passenger Transportation	4	0.3	120	74.6	13.7	36.3
Trucking	8	0.1	25	27.5	6.0	46
Cluster Total	100	8.9	868	10.8	6.8	96.3

*Measures establishments with more than 3 employees.

Traded vs. Local – Leisure and Hospitality

**Traded vs. Local - Leisure and Hospitality
Employment**



■ Local Hospitality Establishments ■ Hospitality and Tourism

Local Hospitality Establishments

Gifts and Souvenirs
Retailing
Hospitality
Establishments

Recreational Facilities
and Instruction

Hospitality and Tourism

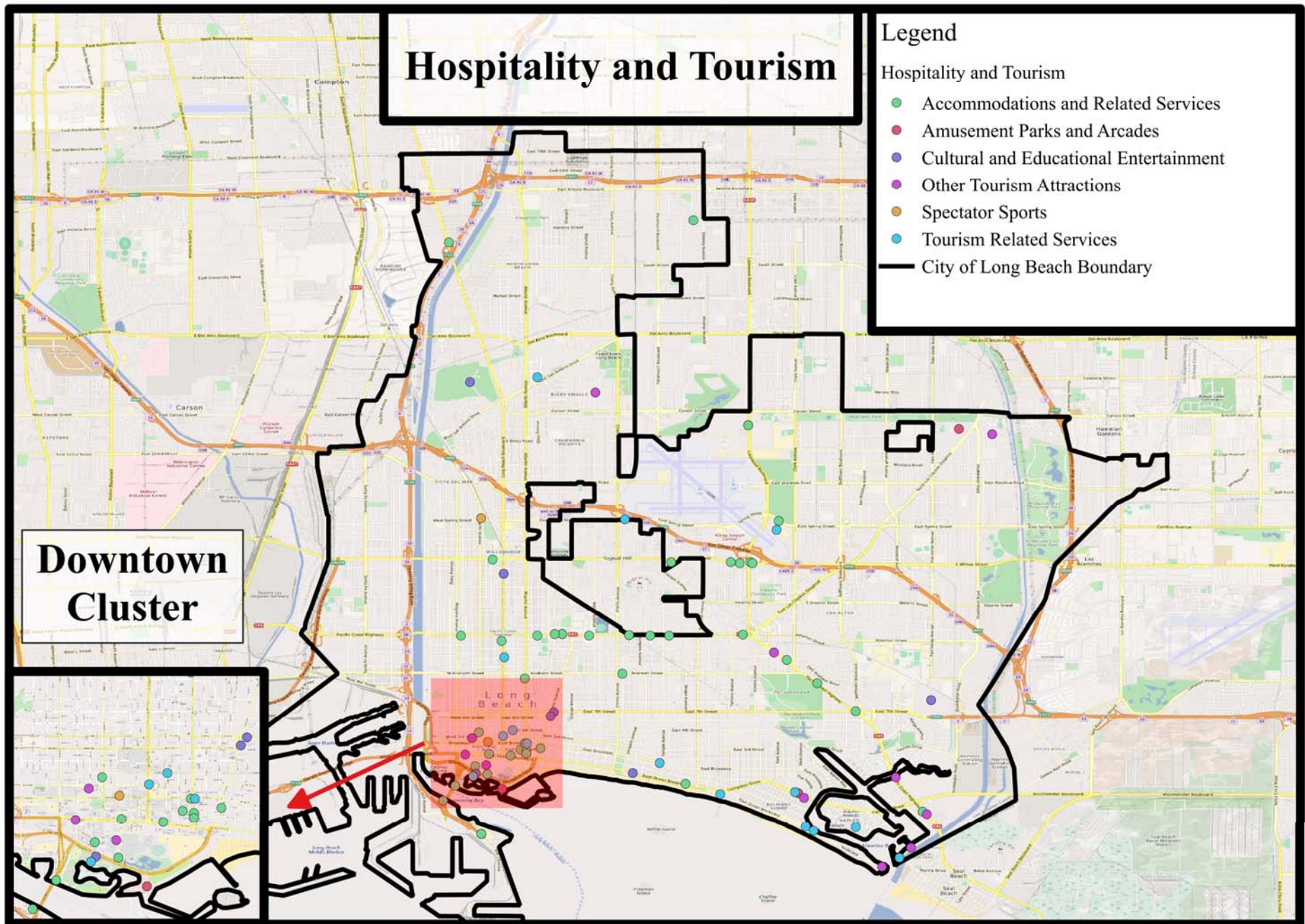
Accommodations and Related
Services
Amusement Parks and
Arcades

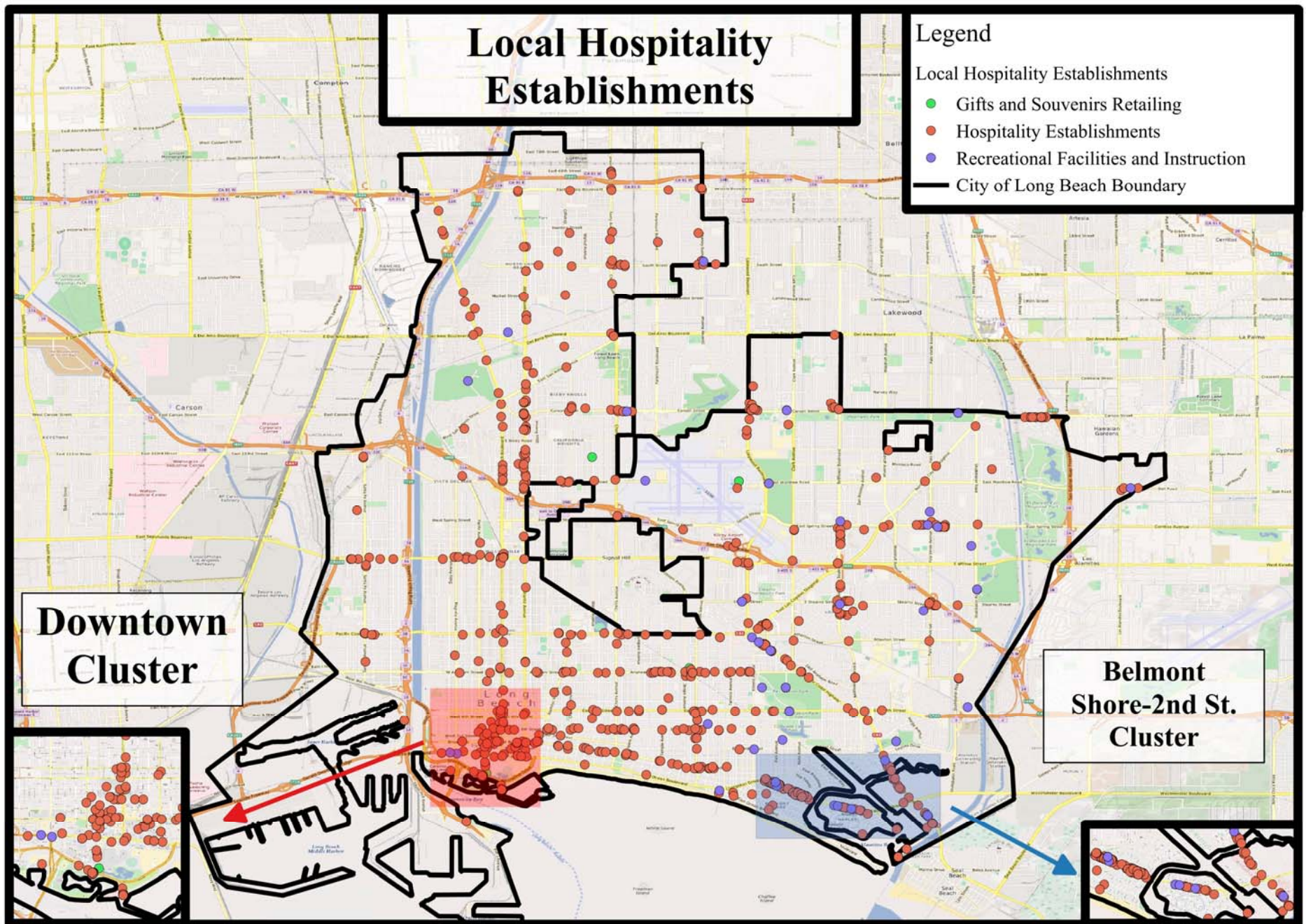
Cultural and Educational
Entertainment

Other Tourism Attractions

Spectator Sports

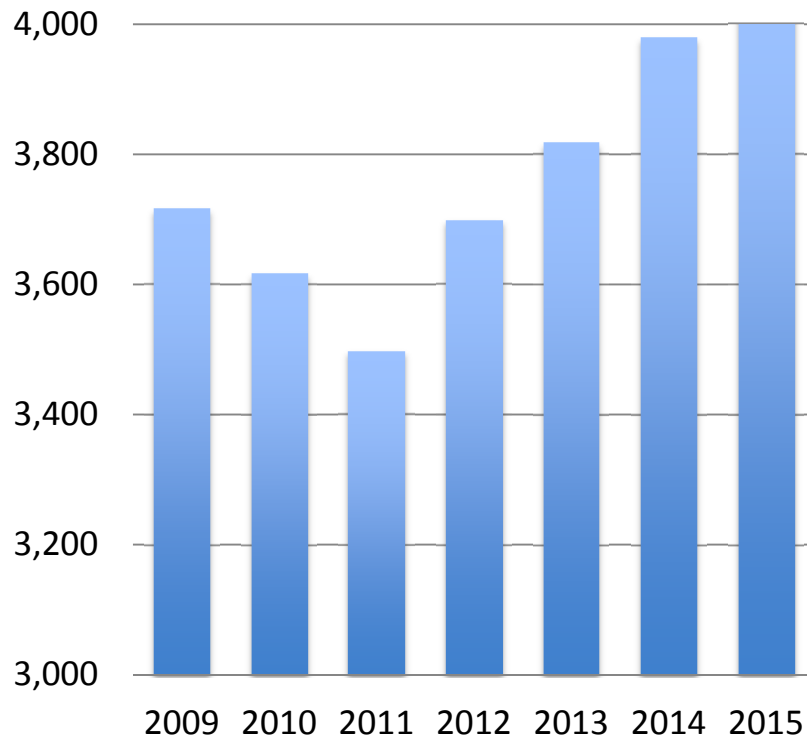
Tourism Related Services



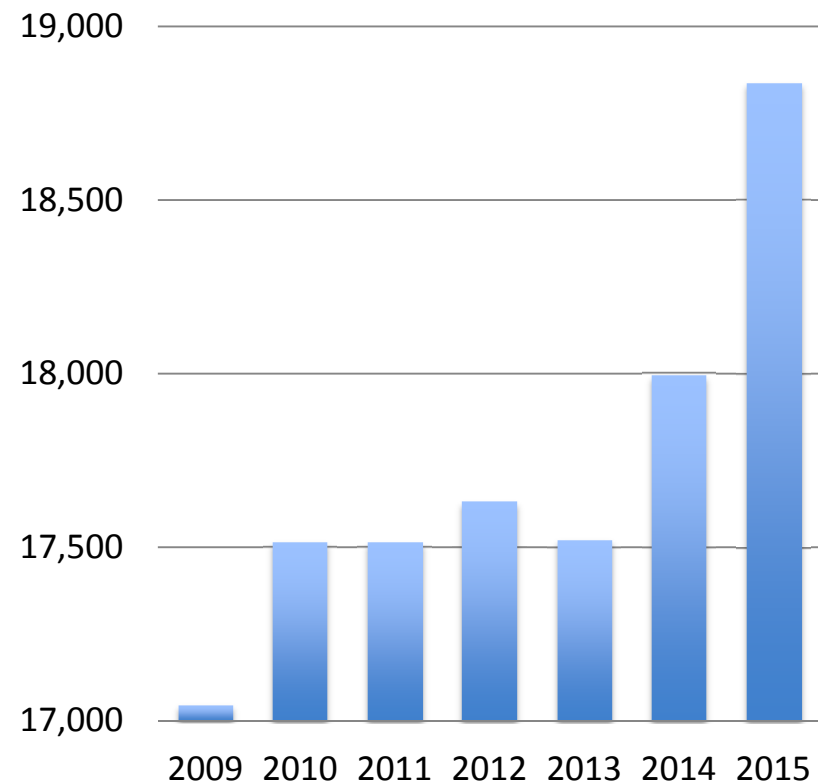


Hospitality and Tourism

**Hospitality and Tourism
Employment
2009 to 2015**



**Local Hospitality Services Wages
2009 to 2015**



Hospitality and Tourism Subclusters

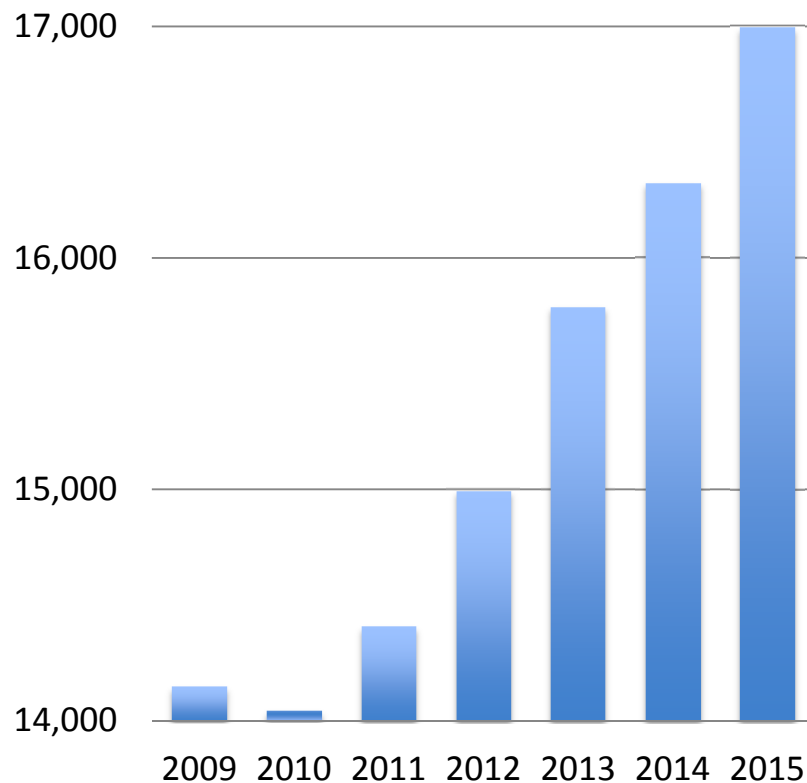
Hospitality and Tourism Subcluster Employment Characteristics, 2015

Subcluster	Estab. Count*	Total Emp. (000s)	Growth Since 2009			Avg. Annual Wage (\$000s)
			Long Beach	Long Beach (%)	CA (%)	
Accommodations and Related Services	42	2.8	480	21.1	12.4	33.3
Tourism Related Services	16	0.6	-196	-24.2	6.1	37.3
Cultural and Educational Entertainment	7	0.5	65	14.3	13.5	33.8
Other Tourism Attractions	9	0.1	-12	-10.3	10.5	19.1
Cluster Total	79	4.1	340	9.1	9.7	33.7

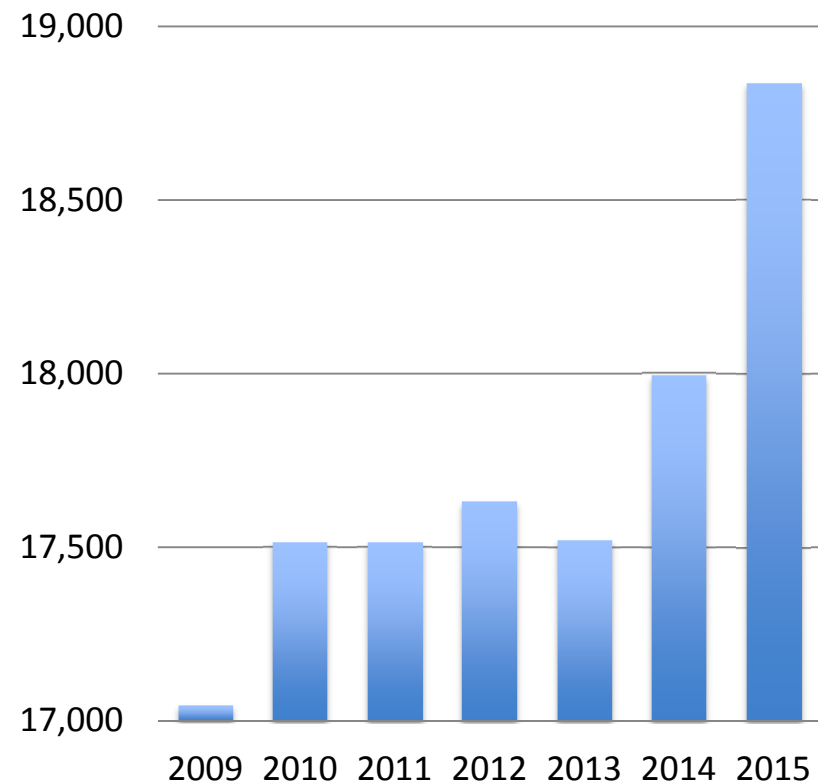
*Measures establishments with more than 3 employees.

Local Hospitality Establishments

**Local Hospitality Employment
2009 to 2015**



**Local Hospitality Services Wages
2009 to 2015**



Local Hospitality Establishments Subclusters

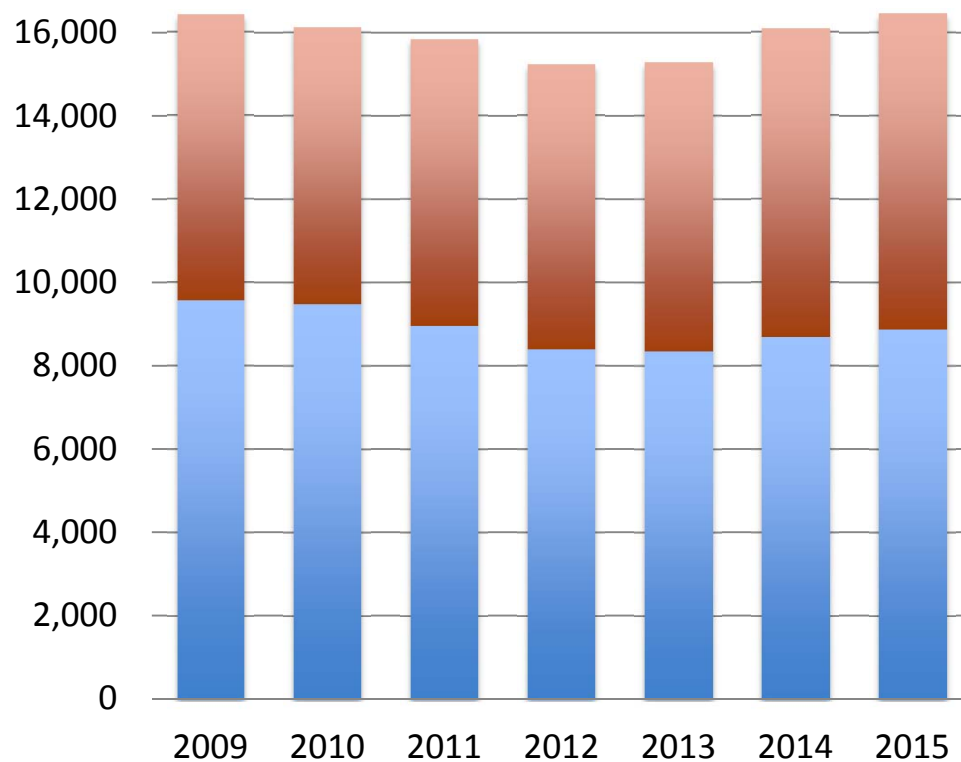
Local Hospitality Subcluster Employment Characteristics, 2015

Subcluster	Estab. Count*	Total Emp. (000s)	Growth Since 2009			Avg. Annual Wage (\$000s)
			Long Beach	Long Beach (%)	CA (%)	
Hospitality Establishments	656	15.9	2,611	19.7	-91.2	18.7
Recreational Facilities and In	36	0.9	110	13.8	12.1	19.9
Gifts and Souvenirs Retailing	13	0.2	127	125.2	0.7	21.7
Cluster Total	705	17	2,848	20.1	-79.8	18.8

*Measures establishments with more than 3 employees.

Traded vs. Local – Education

Traded vs. Local - Education Employment



■ Education and Knowledge Creation
■ Local Education and Training

Local Education and Training

Elementary and Secondary Schools

Job Training Services

Recreational and Other Services

Education and Knowledge Creation

Colleges, Universities, and Professional Schools

Educational Support Services

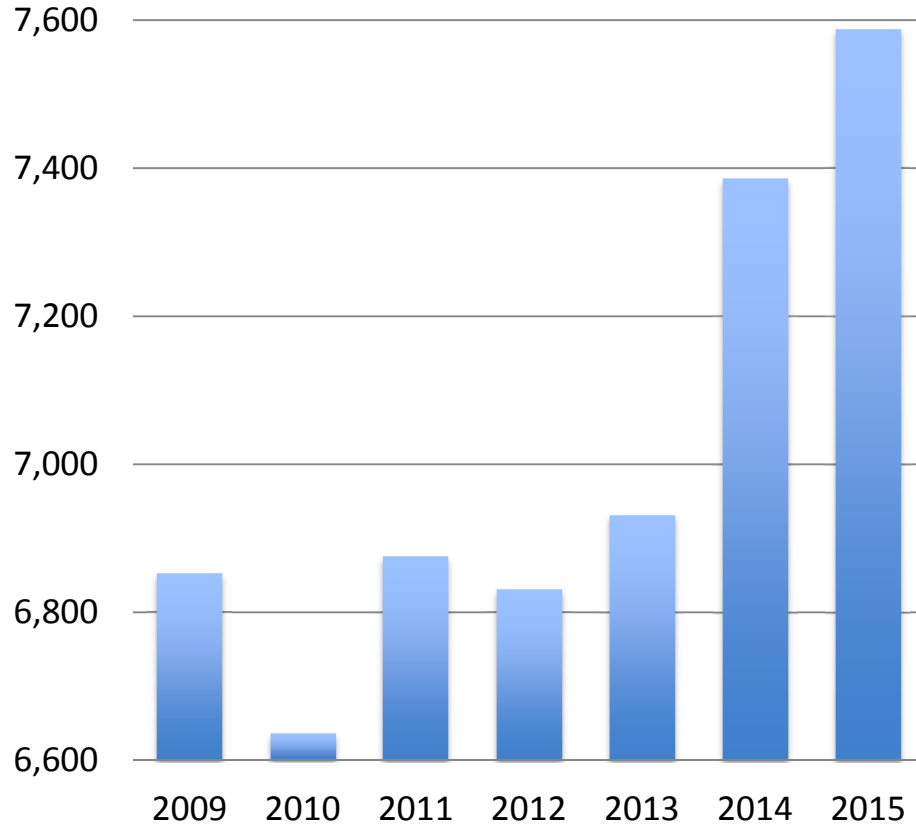
Professional Organizations

Research Organizations

Training Programs

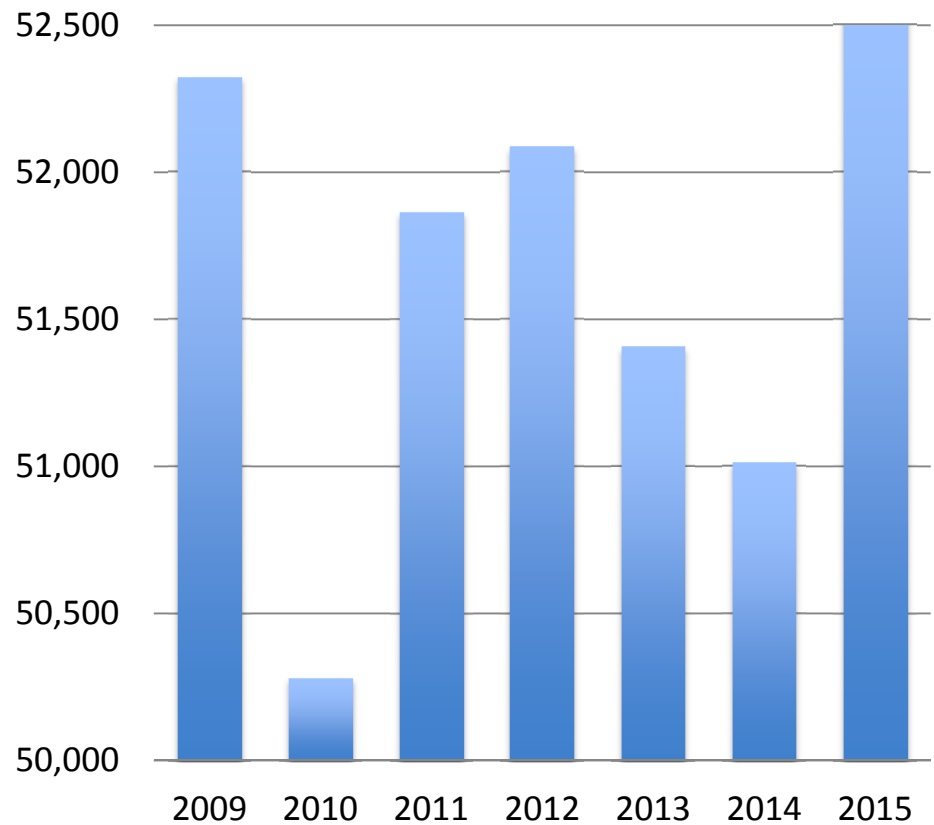
Education and Knowledge Creation

**Education and Knowledge Creation
Employment
2009 to 2015**



BEACON ECONOMICS Analysis. Answers.

**Education and Knowledge Creation
Wages (\$)
2009 to 2015**



BEACON ECONOMICS/Kleinhenz

Education and Knowledge Creation Subclusters

Education and Knowledge Creation Subcluster Employment Characteristics, 2015

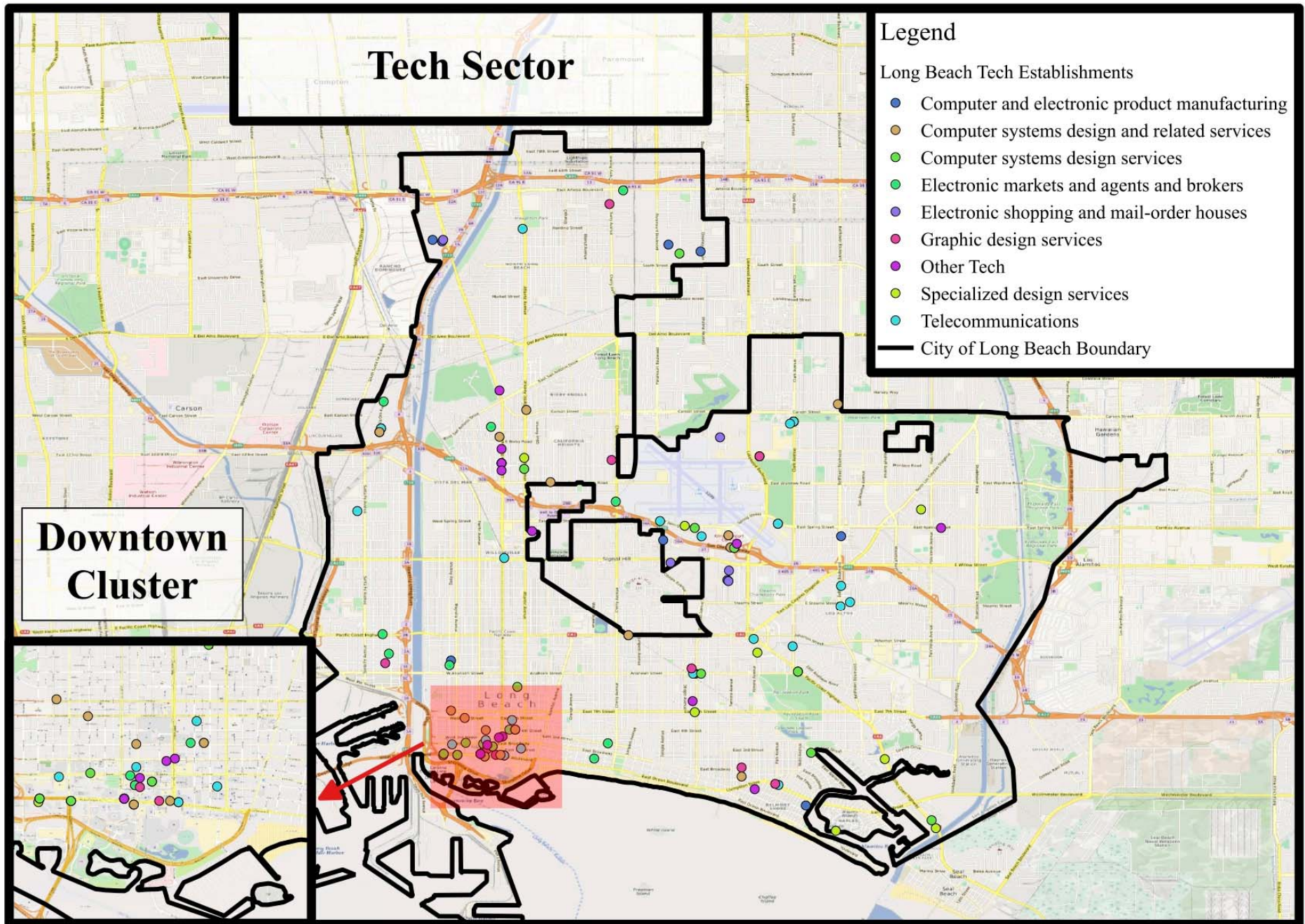
Subcluster	Estab. Count*	Total Emp. (000s)	Growth Since 2009			Avg. Annual Wage (\$000s)
			Long Beach	Long Beach (%)	CA (%)	
Colleges, Universities, and Professional Schools	164	7.1	608	9.4	-1.2	53
Training Programs	16	0.3	35	15.1	16.5	46.9
Research Organizations	7	0.1	29	32.6	21.9	45
Educational Support Services	8	0.1	33	45.1	20.0	46.4
Cluster Total	198	7.6	736	10.7	5.1	52.6

*Measures establishments with more than 3 employees.

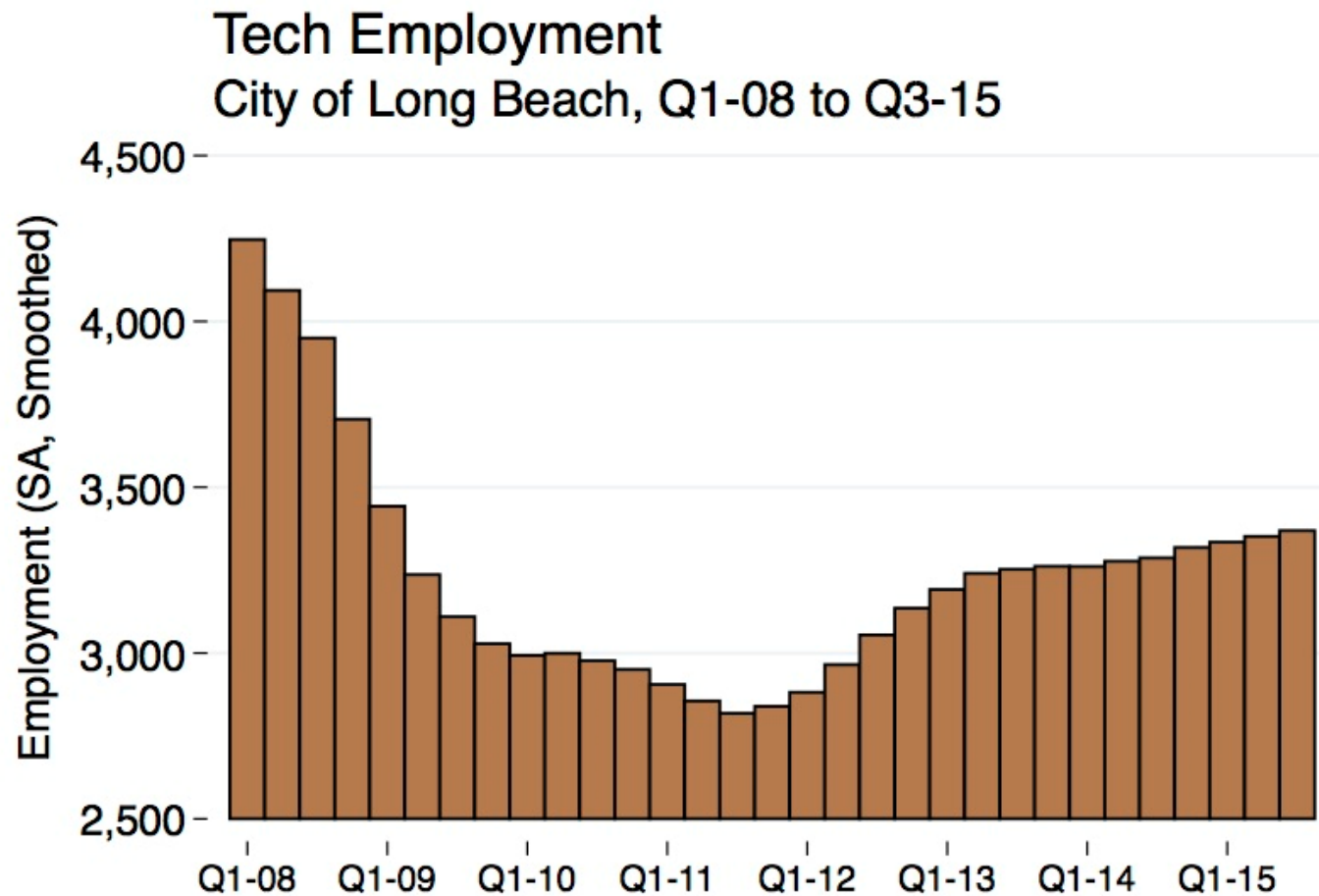
Tech Sector Profile

City of Long Beach Tech Employment and Wages by Industry, Q3-15

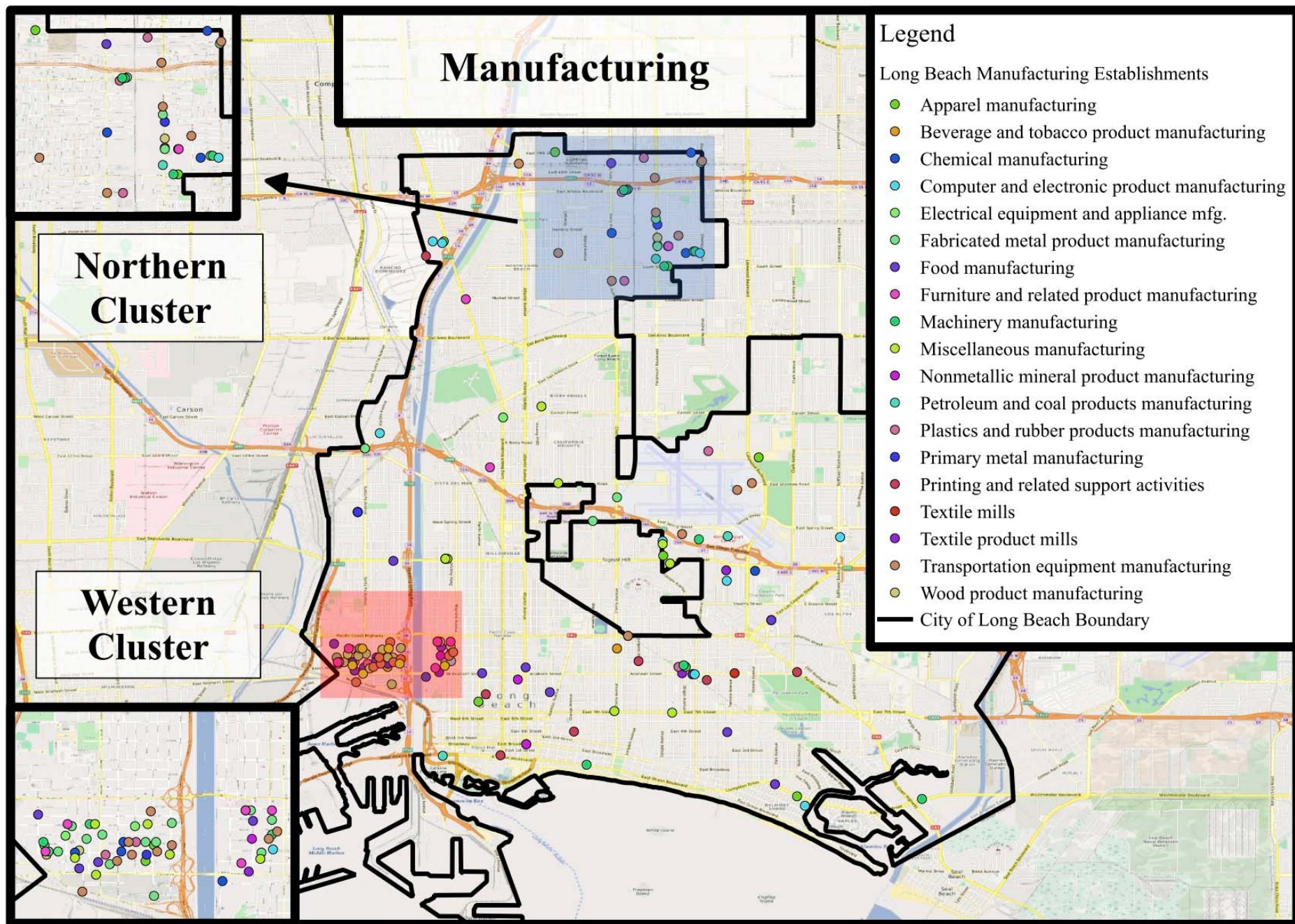
Industry Code	Industry Name	Employment	Employment Growth		Avg. Annual Wage (\$)
			5-Year (%)	YoY (%)	
334	Computer and Electronic Mfg.	422	+15.7	+14.9	76,822
4251	Wholesale E-Markets	300	+21.4	+2.9	80,250
45411	Electronic Shopping	303	+233.1	+75.6	74,814
517	Telecommunications	936	-11.6	-11.2	77,655
5414	Specialized Design Svcs.	144	+40.8	+11.5	66,316
54143	Graphic Design Svcs.	309	+47.2	-0.9	77,564
54151	Computer Systems Design	199	-32.1	-16.1	81,149
541512	Computer Sys. Design Svcs.	389	+29.7	+2.7	91,782
Misc.	Other Tech	366	+18.2	+6.7	92,343
Total	Total Tech	3,369	+13.2	+2.5	80,467

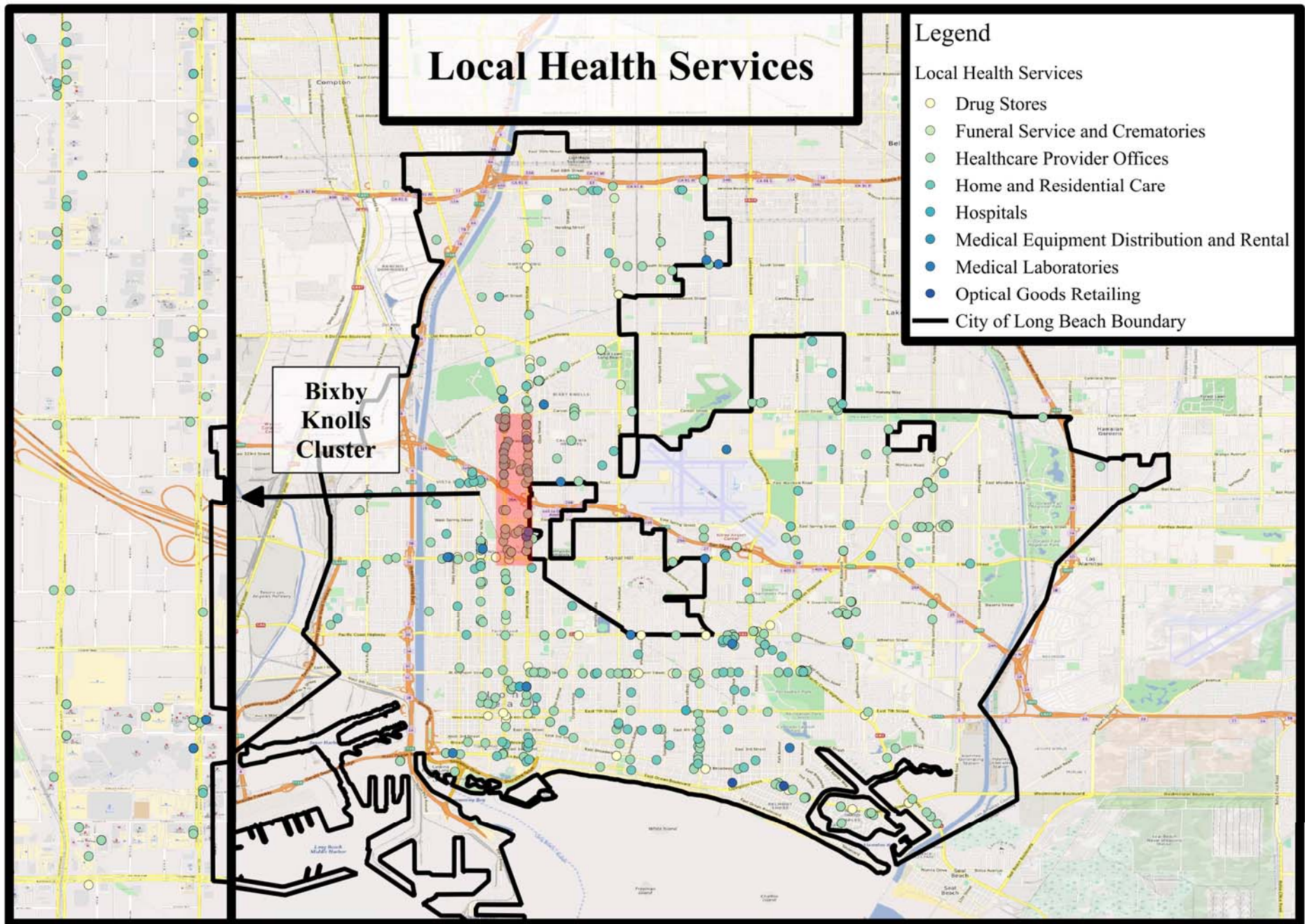


Tech Sector Employment



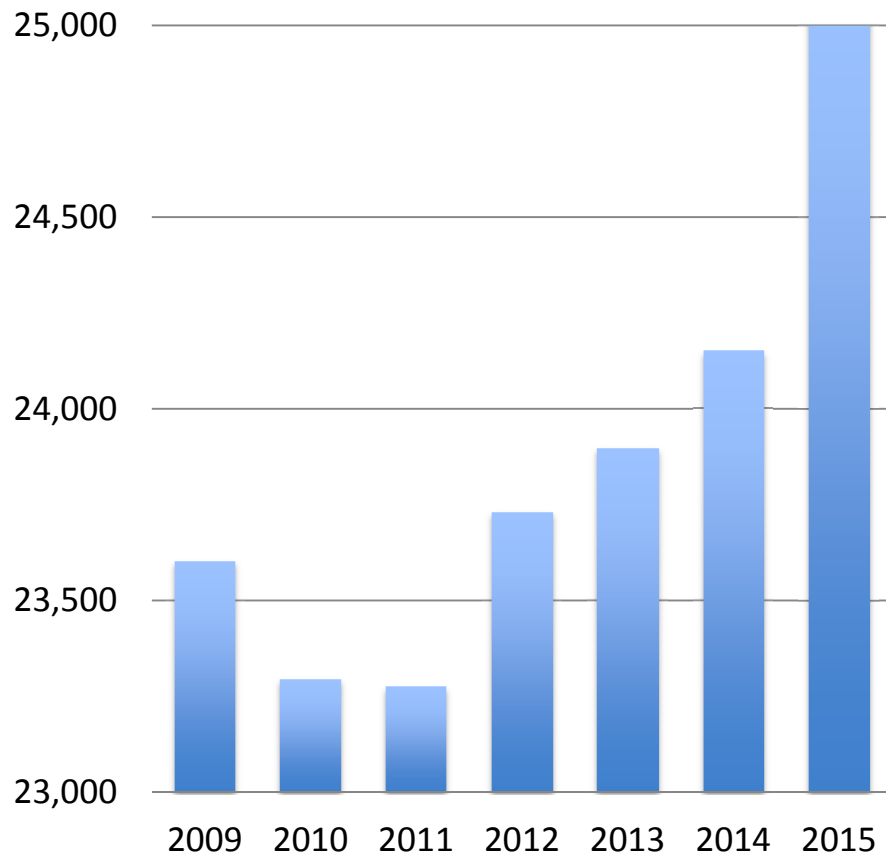
Source: California Employment Development Department



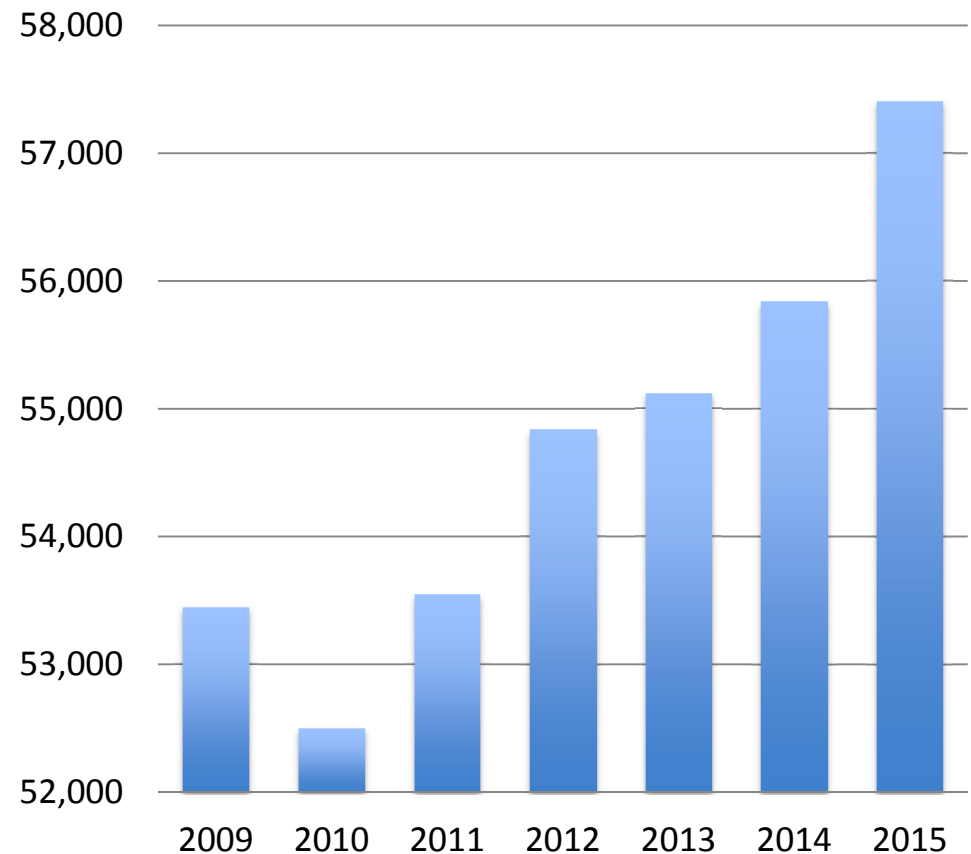


Local Health Services

**Local Health Services Employment
2009 to 2015**



**Local Health Services Wages
2009 to 2015**



Local Health Services Subclusters

Local Health Services Subcluster Employment Characteristics, 2015

Subcluster	Estab. Count*	Total Emp. (000s)	Growth Since 2009			Avg. Annual Wage (\$000s)
			Long Beach	Long Beach (%)	CA (%)	
Hospitals	4	10.1	-211	-2.0	13.0	73.2
Healthcare Provider Offices	437	7.2	831	13.0	31.6	64.2
Home and Residential Care	108	6.4	915	16.5	20.1	26.7
Drug Stores	57	0.9	5	0.6	-7.3	45.4
Medical Laboratories	17	0.3	15	5.6	21.6	74.6
Cluster Total	634	25.2	1,568	6.6	20.0	57.4

*Measures establishments with more than 3 employees.

Subsector Employment

Fastest Growing Subsectors in the City of Long Beach, Q3-15

Subsector	<u>Employment</u>		<u>Avg. Annual Wage</u>	
	Level (000s)	YoY Change (000s)	Level (\$000s)	YoY Growth (%)
Food Svcs. and Drinking Places	15.8	0.5	18.4	3.7
Support Activities for Transportation	8.0	1.2	91.6	-6.7
Mgmt of Companies	5.2	1.2	74.2	-11
Nursing and Residential Care	4.6	0.3	28.4	-0.5
Durable Goods Wholesalers	3.4	0.2	72.7	-1.8
Specialty Trade Contractors	2.9	0.3	59.3	-1.4
Membership Associations and Orgs.	2.9	0.3	29.3	-2.4
General Merchandise Stores	2.3	0.3	18.8	-0.3



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