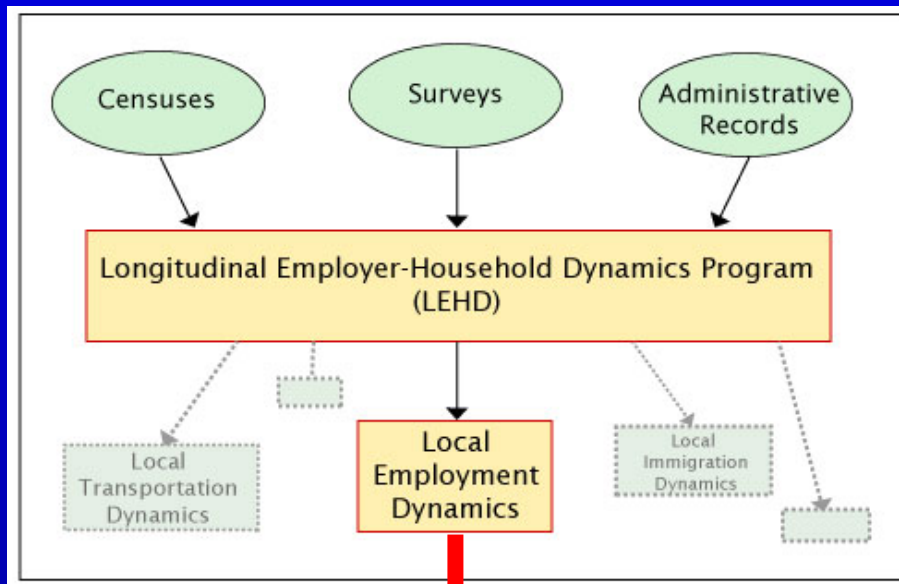


***Local Employment  
Dynamics***  
**Online**  
**Power Tools**

November, 2007

# The Concept – Data Integration

## *LEHD Led to LED*



**New data and products**

- Use existing data to link multiple sources
- Create new data and products
- Reduce cost and respondent burden
- Make data available while protecting confidentiality

# Local Employment Dynamics

merges multiple data  
snapshots into  
informative movies  
about local  
communities and  
economies.



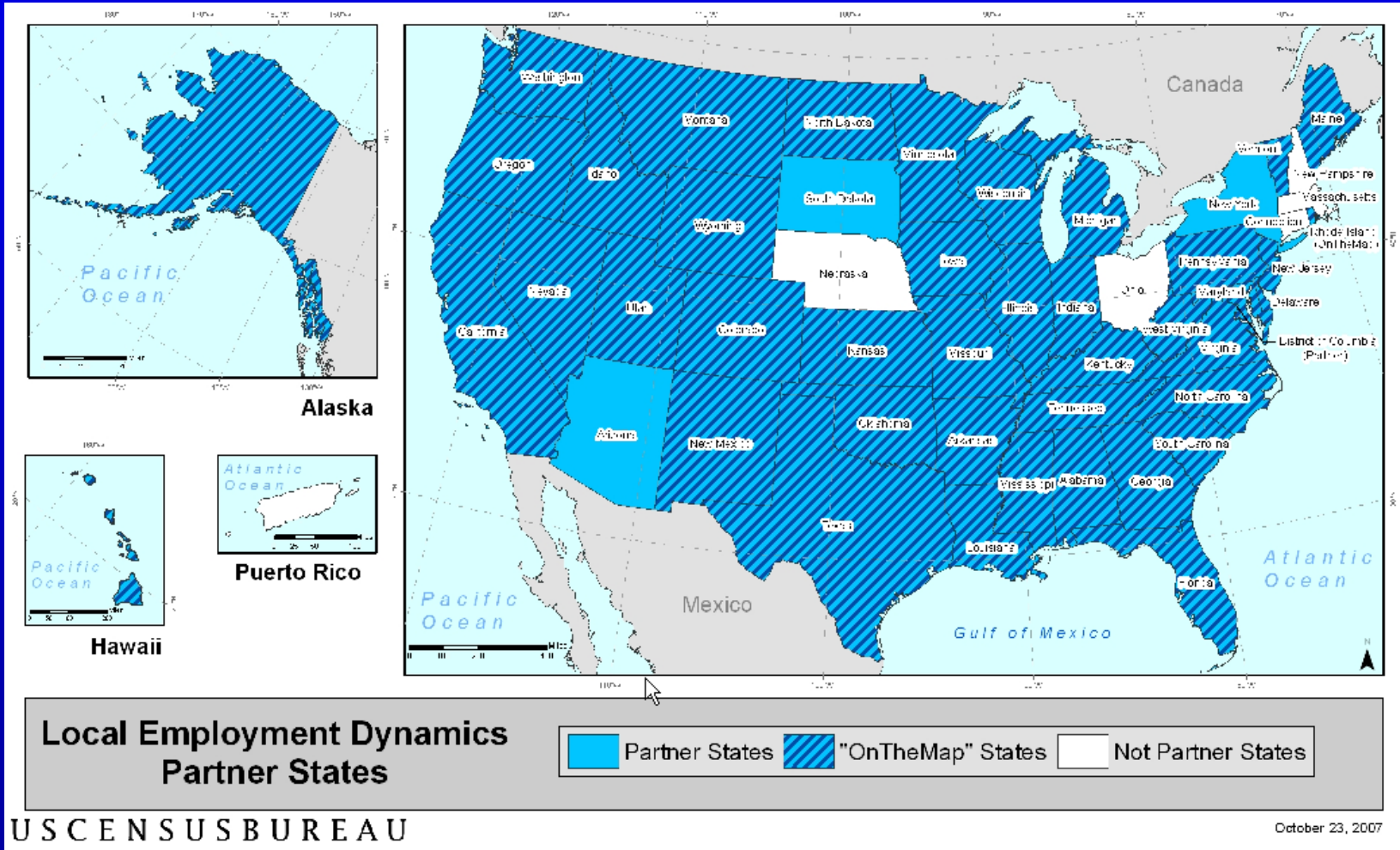
# Local Employment Dynamics

- ✓ A voluntary partnership between the states and the Census Bureau
- ✓ States supply quarterly worker and business wage records
- ✓ Census Bureau merges the state records with other data to produce new data and products about jobs, workers, industries and your local economy

# States in LED Partnership

- State partners 46
- States in the process of joining 2  
NE, OH
- States not in partnership 3  
CT, MA, NH

# States in LED Partnership



# www.census.gov

Next to Business & Industry

Click on Local Employment Dynamics

Then click on Quick Links to:

*OnTheMap, QWI Online,  
Industry Focus*

Or click on  
Data Tools

The screenshot shows the U.S. Census Bureau website. On the left is a vertical navigation menu with the following items: Asian/Pacific American Heritage Month, Facts for Features, New on the Site, Data Tools (highlighted with a red arrow), American FactFinder, Jobs@Census, Catalog, Publications, Are You in a Survey?, About the Bureau, Regional Offices, Doing Business with Us, and Related Sites. The main content area features a search bar with 'FAQs' and 'Census.gov' selected, and a 'GO' button. Below the search bar are several sections: 'United States Census 2000' with links to 'Your Gateway to Census 2000', 'Census 2000 EEO Tabulations', 'Summary File 4 (SF 4)', and 'Summary File 3 (SF 3)'; 'People & Households' with links to 'Estimates', 'American Community Survey', 'Projections', 'Housing', 'Income', 'State Family Income', 'Poverty', 'Health Insurance', 'International', 'Genealogy', and 'More'; 'Business & Industry' (highlighted in pink) with links to 'Economic Census', 'Economic Indicators', 'NAICS', 'Survey of Business Owners', 'Government', 'E-Stats', 'Foreign Trade', 'Export Codes', 'Local Employment Dynamics', and 'More'; 'Geography' with links to 'Maps', 'TIGER', 'Gazetteer', and 'More'; 'Newsroom' with links to 'Releases', 'Facts For Features', 'Minority Links', 'Broadcast and Photo Services', and 'More'; and 'Special Topics' with links to 'Hurricane Data', 'Census Calendar', 'Training', 'For Teachers', 'Statistical Abstract', 'FedStats', and 'FirstGov'. A red arrow points from the 'Local Employment Dynamics' link in the 'Business & Industry' section to the text 'Click on Local Employment Dynamics' in the slide's instructions.

# Local Employment Dynamics' Tools and Features

<http://lehd.did.census.gov>

U.S. Census Bureau  
Longitudinal Employer-Household Dynamics

Home **Local Employment Dynamics** Data Tools Research Library About Us  
Site Map Feedback Ask Census

Print Search

QUICK LINKS	WHAT'S NEW?	Q&A
<ul style="list-style-type: none"><li>▶ <a href="#">CED HotReport</a></li><li>▶ <a href="#">Older Worker Profiles</a></li><li>▶ <a href="#">QWI Online</a></li><li>▶ <a href="#">Industry Focus</a></li><li>▶ <a href="#">Partners Only</a></li><li>▶ <a href="#">OnTheMap V2</a></li><li>▶ <b>e-Learning Modules</b><ul style="list-style-type: none"><li><a href="#">Site Tour</a></li><li><a href="#">Industry Focus Tour</a></li><li><a href="#">QWI Online Tour</a></li><li><a href="#">OnTheMap Tour</a></li><li><a href="#">LED Coach</a></li></ul></li></ul>	<ul style="list-style-type: none"><li>▶ 10/23/07: <a href="#">South Dakota Joins LED</a></li><li>▶ 10/17/07: <a href="#">Indiana Profiles of Older Workers Released</a></li><li>▶ 10/12/07: <a href="#">OnTheMap version 1 Withdrawn</a></li><li>▶ 09/30/07: <a href="#">OnTheMap version 2.3 Released</a></li><li>▶ 09/20/07: <a href="#">Vermont Profiles of Older Workers Released</a></li></ul> <p><a href="#">LED data on Southern California Wildfires</a> <a href="#">Click here to send an email to join the OnTheMap listserv.</a></p> <p><b>Mark Your Calendar! 2008 LED Workshop Scheduled for March 6-7 at Census Bureau Headquarters (Suitland, Maryland)</b></p> <p><a href="#">[more...]</a></p>	<ul style="list-style-type: none"><li>▶ <a href="#">What is LEHD?</a></li><li>▶ <a href="#">What is LED?</a></li><li>▶ <a href="#">What is the difference between LEHD and LED?</a></li><li>▶ <a href="#">What are the QWI?</a></li></ul> <p><a href="#">[more...]</a></p>
<p><b>Local Employment Dynamics</b> <a href="#">Confidentiality and LED</a>, <a href="#">State Partners</a>, <a href="#">Partnership</a>, <a href="#">Partners Only</a></p> <p><b>Data Tools</b> <a href="#">CED HotReports</a>, <a href="#">QWI Online</a>, <a href="#">OnTheMap V2</a>, <a href="#">Industry Focus</a>, <a href="#">Cornell-based Data Access</a>, <a href="#">Case Studies and Examples</a></p> <p><b>Research</b> <a href="#">Research Data Center</a>, <a href="#">Confidentiality Research</a>, <a href="#">Low Wage Work</a>, <a href="#">Human Capital &amp; Productivity</a>, <a href="#">Transportation</a>, <a href="#">Aging &amp; Pension Benefits</a></p>	<p><b>Library</b> <a href="#">Profiles</a>, <a href="#">Workshops</a>, <a href="#">Training</a>, <a href="#">Technical User Guides</a>, <a href="#">Technical Papers</a>, <a href="#">Presentations</a>, <a href="#">Newsletters</a>, <a href="#">Archives</a></p> <p><b>About Us</b> <a href="#">Mission</a>, <a href="#">FAQs</a>, <a href="#">Staff</a>, <a href="#">Contact</a>, <a href="#">Directions</a></p>	<p><b>DID YOU KNOW?</b></p> <p>...that of the industries in <b>Missouri</b> that employed more than 500 workers <b>65 years and older</b> in 2002, the highest paying was legal services (\$4,122 a month)?</p>



# Community Economic Development

## HotReport

<http://CED.census.gov>

Change WIRED Region: Northern New Jersey Go! Home IE Printer Friendly

Counties: Bergen, Essex, Hudson, Morris, Passaic, Sussex, Union, Warren

### Northern New Jersey WIRED Region

Summary Reports: Overview Economics Demographics Housing Transportation Community Assets


#### Overview

Population Size for the Counties in the Northern New Jersey Region (in thousands)

Thousands

- 110+ -- 224
- 224+ -- 338
- 338+ -- 452
- 452+ -- 566
- 566+ -- 680
- 680+ -- 794
- 794+ -- 904

Click on map to enlarge.



Data Sponsored By: [U.S. Census Bureau - Population Division](#)

\*\*Data Source: [POPEST/Census Bureau Version/County Population Estimates by Age, Sex, Race and Hispanic Origin/2005](#)

#### General Area Statistics for the Northern New Jersey Region

Indicator	Value
Population	4,081,755
Number in labor force	2,031,340
Number employed	1,929,662
Number unemployed	101,678
Percent in poverty	9.8%
High school graduates	80.1%
Bachelor's degree or higher	30.9%

[Information on sources of data, confidentiality protection, sampling error, nonsampling error, and definitions.](#)

#### Relocation Data for Industry

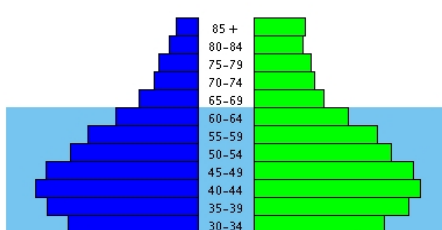
Industries looking to relocate often consider areas in terms of the number of people in its workforce and their education, its unemployment rate, its wage rates, its housing stock, and educational and transportation infrastructures.

The percent unemployment of the nation in 2004 was 5.5%.

\*\*Data Source: [USA Counties/2004](#)

#### Population by Age and Sex for the Northern New Jersey Region

(Shaded area denotes typical working ages.)



✓ Available for all counties/county equivalents in the U.S. (not towns/cities)

✓ Contains data on housing, transportation, local economy, demographics and more from ten federal data sets.

# Community Economic Development HotReport Features

Summary Reports: Overview Economics Demographics Housing Transportation Community Assets

## Bronx County, New York

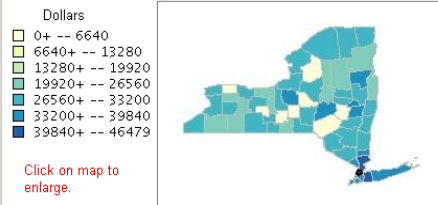
Summary Reports: Overview Economics Demographics Housing Transportation Community Assets

### Economic Overview

View a detailed economic report:

Map shows average annual wages for the selected industry sector. To map wages for a different industry, select an industry from the list and click the "Change Map" button.

Sector 62—Health Care and Social Assistance



Data Sponsored By: [Employment and Training Administration](#)  
 \*\*Data Source: [CCEW/Industry Wages/2002](#)

Change Map

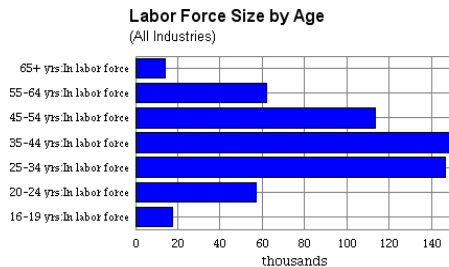
### Selected Top Industries in Bronx County, New York (by Number of Employees)

Industry (NAICS 4-digit)	Employees
General Medical and Surgical Hospitals	27,954
Nursing care facilities	17,114
Home health care services	10,217
Individual and Family Services	8,423
Colleges, Universities, and Professional Schools	7,111
Grocery and Related Product Wholesalers	5,959
Elementary and Secondary Schools	5,602
Limited-service eating places	5,498
Grocery Stores	5,448
Lessors of real estate	4,988
Investigation and Security Services	4,511
Clothing stores	3,834
Child day care services	3,777
Building Equipment Contractors	3,760
Offices of physicians	3,723
Outpatient care centers	3,671
Activities related to real estate	3,162
Health and Personal Care Stores	3,035

Data Sponsored By: [U.S. Census Bureau - Economic Programs](#)  
 \*\*Data Source: [CBP/Country Level/2004](#)



Click on graph to view table.



## Queens County, New York

Summary Reports: Overview Economics Demographics Housing Transportation Community Assets

### Housing Overview

#### Average Mortgage Amount for Home Purchases by Census Tract in Queens County, New York



Thousands of Dollars

- 51+ -- 126
- 126+ -- 201
- 201+ -- 276
- 276+ -- 351
- 351+ -- 426
- 426+ -- 501
- 501+ -- 573



Data Sponsored By: [Joint Center for Political and Economic Research](#)  
 \*\*Data Source: [HMDA/Loan Application Register Data/2003](#)

#### Housing Values

The average mortgage for a home purchased in 2003 was **\$253,344** in Queens County, New York.

\*\*Data Source: [HMDA/Loan Application Register Data/2003](#)



#### Housing Shortage or Surplus

There were **831,819** housing units in Queens County, New York.

\*\*Data Source: 2005 American Community Survey

Among occupied units, **45.8%** were owner-occupied.

\*\*Data Source: 2005 American Community Survey

Of the **49,296** housing units that were vacant, **16,693** of them were for rent.

\*\*Data Source: 2005 American Community Survey

The average number of people in a household was **2.8**.

\*\*Data Source: 2005 American Community Survey

[Information on data source, confidentiality protection, sampling error, nonsampling error, and definitions.](#)

#### Occupancy Status (All Housing Units)

(All Housing Units)



Queens County, New York

- Percent Vacant
- Percent Owner Occupied
- Percent Renter Occupied

# Older Worker Profiles

✓ Reports on workers aged 55+ are being released state by state over the next 6 months for 31 states.

## The Geographic Distribution and Characteristics of Older Workers in Iowa: 2004

### Local Employment Dynamics

#### What's in This Report?

##### HIGHLIGHTS

##### THE LOCAL EMPLOYMENT DYNAMICS PROGRAM

##### SOURCES AND ACCURACY OF THE ESTIMATES

##### CHARACTERISTICS AND EMPLOYMENT DYNAMICS OF OLDER WORKERS

Table 1—Percentage of Workers by Age in Metropolitan Statistical Areas and Nonmetropolitan Area Workplaces: 2004

#### Industry Sectors With the Highest Proportions of Older Workers in 2004<sup>5</sup>

- Statewide, among industry sectors that employed 100 or more workers 55 and older, Mining (NAICS 21) had the highest proportion of workers in this age group. This sector did not have the highest percentage of workers 55 and older in any individual county.
- Industry sectors with more than 1 in 5 workers 55 and older that employed at least 100 or more workers from that age group include:

Industry	Percentage of workforce
Mining .....	23.1
Educational services.....	22.1
Real estate and rental and leasing .....	20.6
Utilities.....	20.1

[http://lehd.did.census.gov/led/library/profiles\\_2007.html](http://lehd.did.census.gov/led/library/profiles_2007.html)

# QWI Online

## QWI Online [NAICS]

Select a state from the following table to access NAICS-based statistics. Click [here](#) to access [SIC-based statistics](#). If a state is in *italics*, it means either it is a new partner whose data are being processed or it is not a partner in the voluntary Local Employment Information System (state name in *italics*).

- [Technical Paper No. 1000: The LEHD Infrastructure](#)  
 Date: January 2006
- [Detailed QWI Definitions](#)  
 Date: January 2006
- [Generalized QWI Definitions](#)  
 Date: April 2005. Author(s): Erika McEntarfer, Cynthia Tauber
- [Quarterly Workforce Indicators](#) [PDF; File Size: 768KB]  
 by Stephen J. Stephens and Lars Vilhuber

Shows most recent quarter of data

NAICS or SIC option

Links to available states

The year and quarter number below each state indicate the latest complete update available.

<a href="#">Alabama</a> (2005 Q3)	<a href="#">Florida</a> (2005 Q2)	Louisiana	<i>Nebraska</i>	<a href="#">Oklahoma</a> (2005 Q3)	<a href="#">Vermont</a> (2005 Q3)
<i>Alaska</i>	<a href="#">Georgia</a> (2005 Q3)	<a href="#">Maine</a> (2005 Q3)	<a href="#">Nevada</a> (2005 Q3)	<a href="#">Oregon</a> (2005 Q3)	<a href="#">Virginia</a> (2005 Q3)
Arizona	<a href="#">Hawaii</a> (2005 Q3)	<a href="#">Maryland</a> (2005 Q3)	<i>New Hampshire</i>	<a href="#">Pennsylvania</a> (2005 Q3)	<a href="#">Washington</a> (2005 Q3)
<a href="#">Arkansas</a> (2005 Q3)	<a href="#">Idaho</a> (2005 Q3)	<i>Massachusetts</i>	<a href="#">New Jersey</a> (2005 Q3)	Rhode Island	<a href="#">West Virginia</a> (2005 Q3)
<a href="#">California</a> (2004 Q4)	<a href="#">Illinois</a> (2005 Q3)	Michigan	<a href="#">New Mexico</a> (2005 Q3)	<a href="#">South Carolina</a> (2005 Q3)	<a href="#">Wisconsin</a> (2005 Q3)
<a href="#">Colorado</a> (2005 Q3)	<a href="#">Indiana</a> (2005 Q3)	<a href="#">Minnesota</a> (2004 Q3)	<i>New York</i>	<i>South Dakota</i>	Wyoming
<i>Connecticut</i>	<a href="#">Iowa</a> (2005 Q3)	Mississippi	<a href="#">North Carolina</a> (2005 Q3)	<a href="#">Tennessee</a> (2005 Q3)	<i>Puerto Rico</i>
District of Columbia	<a href="#">Kansas</a> (2005 Q3)	<a href="#">Missouri</a> (2005 Q3)	<a href="#">North Dakota</a> (2005 Q3)	<a href="#">Texas</a> (2005 Q3)	<i>Virgin Islands</i>
<a href="#">Delaware</a> (2005 Q3)	<a href="#">Kentucky</a> (2005 Q3)	<a href="#">Montana</a> (2004 Q3)	<i>Ohio</i>	<a href="#">Utah</a> (2005 Q3)	

# QWI Online – Flagship Product

8 age categories

Entries updated instantaneously

2-, 3-, and 4-digit NAICS code

Year: 2005 | Geographic Grouping: County or [Information by Detailed Industry](#)  
 Quarter: Q1 | County: 001 Atlantic  
 Sex: Male and Female | Industry: All NAICS Sectors  
 AgeGroup: 14-99 | Ownership: All (1-5)

[Download Dataset](#) | [Print Table](#)

QWI Quick Facts	Atlantic (Q1)	Atlantic (Avg: Selected + 3 Prior qtrs)	New Jersey (Q1)	New Jersey (Avg: Selected + 3 Prior qtrs)
Total Employment	128,573	135,672	3,771,977	3,811,829
Net Job Flows	13,897	1,193	122,812	40,651
Job Creation	17,957	10,787	275,516	243,047
New Hires	18,060	21,696	547,343	597,463
Separations	18,930	27,763	575,878	713,171
Turnover	8.3%	11.5%	9.2%	10.3%
Avg Monthly Earnings	\$2,987.00	\$3,069.75	\$4,257.00	\$4,138.50
Avg New Hire Earnings	\$1,748.00	\$2,009.50	\$2,538.00	\$2,693.25

[View Detailed Comparison Reports](#)  
[For more information](#)

# QWI Online: Detailed Industry Info

Down to 4 digit NAICS

## QWI Online [NAICS]

### LEHD State of Florida County Reports - Quarterly Workforce Indicators

Select Criteria below. A new report will be created below as selections change.

Year: 2006 Geographic Grouping: County **or Information by Detailed Industry**  
 Quarter: Q3 County: 001 Alachua  
 Sex: Male and Female Industry: All NAICS Sectors  
 AgeGroup: 14-99 Ownership: All(1-5)

nsus Bureau  
**Employment Dynamics** All About Jobs  
[Local Employment Dynamics](#) | [Data Tools](#) | [Research](#) | [Library](#) | [About Us](#)  
[Reports](#) | [QWI Online](#) | [OnTheMap V2](#) | [Industry Focus](#) | [Cornell-based Data Access](#) | [Case Studies and Examples](#)

## QWI Online [NAICS]

### LEHD Florida Industry Reports - Quarterly Workforce Indicators

Geographic Reports: [County](#) | [Metro](#) | [WIA](#)  
 Top Level Industry Reports: [County](#) | [Metro](#) | [WIA](#)

Select	MoreNAICS data code	Description	Name	Value
<input checked="" type="radio"/>	11	Agriculture, Forestry, Fishing and Hunting	Year: 2006	
<input type="radio"/>	21	Mining	Quarter: Q3	
<input type="radio"/>	22	Utilities	AgeGroup: 14-99	
<input type="radio"/>	23	Construction	Sex: Male and Female	
<input type="radio"/>	31-33	Manufacturing	Ownership: All(1-5)	
<input type="radio"/>	42	Wholesale Trade	County: 12 Florida	
<input type="radio"/>	44-45	Retail Trade		
<input type="radio"/>	48-49	Transportation and Warehousing		
<input type="radio"/>	51	Information		

## QWI Online [NAICS]

### LEHD State of Florida County Reports - Quarterly Workforce Indicators

Select Criteria below. A new report will be created below as selections change.

Year: 2006 Geographic Grouping: County **or Information by Detailed Industry**  
 Quarter: Q3 County: 017 Citrus  
 Sex: Male and Female Industry: 11 Agriculture, Forestry, Fishing and Hunting  
 AgeGroup: 14-99 Ownership: All(1-5)

### LEHD Florida Industry Reports - Quarterly Workforce Indicators

Geographic Reports: [County](#) | [Metro](#) | [WIA](#)  
 Top Level Industry Reports: [County](#) | [Metro](#) | [WIA](#)  
 Back to [County 11 Agriculture, Forestry, Fishing and Hunting](#)

Select	MoreNAICS data code	Description	Name	Value
<input checked="" type="radio"/>	111	Crop Production	Year: 2006	
<input type="radio"/>	1111	Oilseed and Grain Farming	Quarter: Q3	
<input type="radio"/>	1112	Vegetable and Melon Farming	AgeGroup: 14-99	
<input type="radio"/>	1113	Fruit and Tree Nut Farming	Sex: Male and Female	
<input type="radio"/>	1114	Greenhouse, Nursery, and Floriculture Production	Ownership: All(1-5)	
<input type="radio"/>	1119	Other Crop Farming	County: 12 Florida	

[Download Dataset](#) [Print Table](#)

QWI Quick Facts	Citrus (Q3)	Citrus (Avg:Selected + 3 Prior qtrs)	Florida (Q3)	Florida (Avg:Selected + 3 Prior qtrs)
Total Employment	204	238	69,673	89,674
Net Job Flows	-6	5	-2,594	169
Job Creation	10	35	4,757	13,922
New Hires	44	75	16,965	34,249
Separations	55	89	22,534	44,018
Turnover	14.0%	20.4%	15.1%	21.1%
Avg Monthly Earnings	\$1,970.00	\$2,049.50	\$2,099.00	\$2,144.25
Avg New Hire Earnings	\$1,283.00	\$1,579.50	\$1,328.00	\$1,314.25

[View Detailed Comparison Reports](#)

For more information

# QWI Online: "Pivot" or Comparison Tables

## QWI Maine Metro Pivot Reports Portland, ME - Quarterly Workforce Indicators

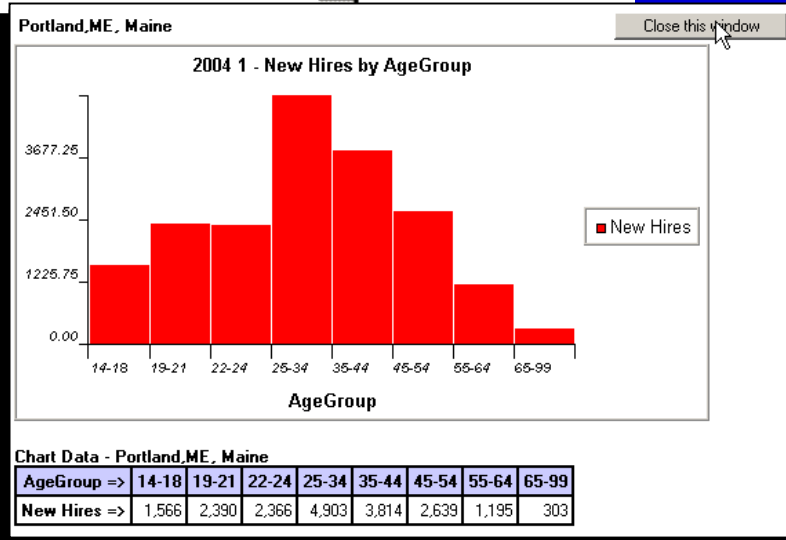
Pivot Column	Data Row(s)	Year(s)
Metro (All Maine) Industry Sex <b>AgeGroup</b> OwnerCode Year	Total Employment Net Job Flows Job Creation New Hires Separations Turnover Avg Monthly Earnings	2001 2002 2003 <b>2004</b>

Pivot reports display the **numeric** values of one or more Data fields mapped against the **textual** values of a Pivot Field.

The graph updates on the indicator...

[Download Dataset](#) [Print Table](#)

Year	QWI Quickfacts	14-18	19-21	22-24	25-34	35-44	45-54	55-64	65-99
2004 1	Avg Monthly Earnings	\$467.00	\$998.00	\$1,579.00					
	Avg New Hire Earnings	\$525.00	\$930.00	\$1,314.00					
	Job Creation	742	1,141	1,087					
	Net Job Flows	222	137	42					
	<b>New Hires</b>	1,566	2,390	2,366					
	Separations	1,595	2,885	2,607	5,857	4,667	3,445	1,865	602
	Total Employment	5,002	7,416	9,219	33,690	39,999	36,524	18,453	4,660
	Turnover	19.6%	20.4%	16.1%	10.5%	7.3%	6.0%	6.1%	7.9%



# Key Features of Industry Focus

Ranking and multiple indicator selection

## Industry Focus: Selecting Top Industries

List the top  industries ranked by the greatest:

Ranking Indicator (Select One)	Include in report (Select One or More)	
<input checked="" type="radio"/>	<input checked="" type="checkbox"/>	Employment ⓘ
<input type="radio"/>	<input type="checkbox"/>	Growth in Employment ⓘ
<input type="radio"/>	<input type="checkbox"/>	Growth in hiring ⓘ
<input type="radio"/>	<input type="checkbox"/>	Number of new hires ⓘ
<input type="radio"/>	<input type="checkbox"/>	Firm Job Change ⓘ
<input type="radio"/>	<input type="checkbox"/>	Average monthly earnings for all workers ⓘ
<input type="radio"/>	<input type="checkbox"/>	Growth in average monthly earnings for all workers ⓘ
<input type="radio"/>	<input type="checkbox"/>	Average monthly earnings for new hires ⓘ

Age and Sex:

Age

Sex

Geography:

State

Entity:

Statewide

WIA

County

Metro Area

Select Industry Level:

Industry Sector  Industries

Industry Sector:

- 01 Atlantic-Cape May WIB
- 01 Atlantic-Cape May WIB
- 02 Bergen WIB
- 03 Burlington WIB
- 04 Camden WIB
- 05 Cumberland-Salem WIB
- 06 Essex WIB
- 07 Gloucester WIB

State, county, Workforce Investment Areas (WIA), metro areas

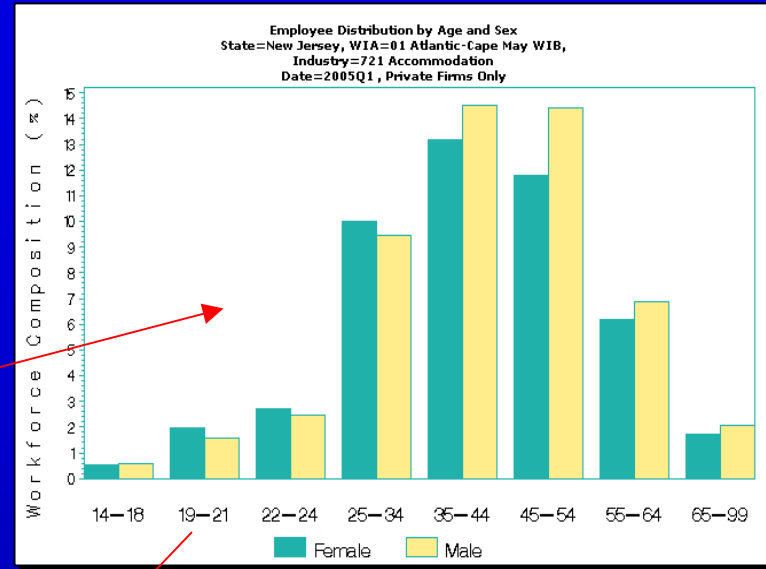


# Industry Focus provides...

Industry Focus: Top Industries Results (click on Industry link to see workforce information)

All 10 eligible industries ranked on the greatest average monthly earnings for new hires  
 State=New Jersey, WIA=01 Atlantic-Cape May WIB, Sex=Female, Age=19-21  
 Private Firms Only

Rank	Industry	New Hire Earnings (\$) (2004Q2,2004Q3, 2004Q4,2005Q1)	Average Quarterly Employment (2004Q2,2004Q3, 2004Q4,2005Q1)	Growth in Employment (%) (2004Q1,2005Q1)
	All NAICS subsectors	\$1,032	4,696	1.5%
1	<a href="#">623 Nursing and Residential Care Facilities</a>	\$1,477	105	14.5%
2	<a href="#">621 Ambulatory Health Care Services</a>	\$1,247	129	8.1%
3	<a href="#">721 Accommodation</a>	\$1,205	948	-11.9%
4	<a href="#">622 Hospitals</a>	\$1,047	127	-0.8%
5	<a href="#">812 Personal and Laundry Services</a>	\$996	92	-20.4%
6	<a href="#">722 Food Services and Drinking Places</a>	\$893	1,098	17.3%
7	<a href="#">445 Food and Beverage Stores</a>	\$835	335	3.7%
8	<a href="#">452 General Merchandise Stores</a>	\$830	181	2.7%
9	<a href="#">448 Clothing and Clothing Accessories Stores</a>	\$818	251	14.6%
10	<a href="#">446 Health and Personal Care Stores</a>	\$708	132	-3.8%



Click on industry to see workforce characteristics.

	14-18	19-21	22-24	25-34	35-44	45-54	55-64	65-99
Female	0.54%	1.95%	2.69%	9.99%	13.2%	11.81%	6.19%	1.71%
Male	0.56%	1.55%	2.47%	9.47%	14.5%	14.43%	6.89%	2.06%

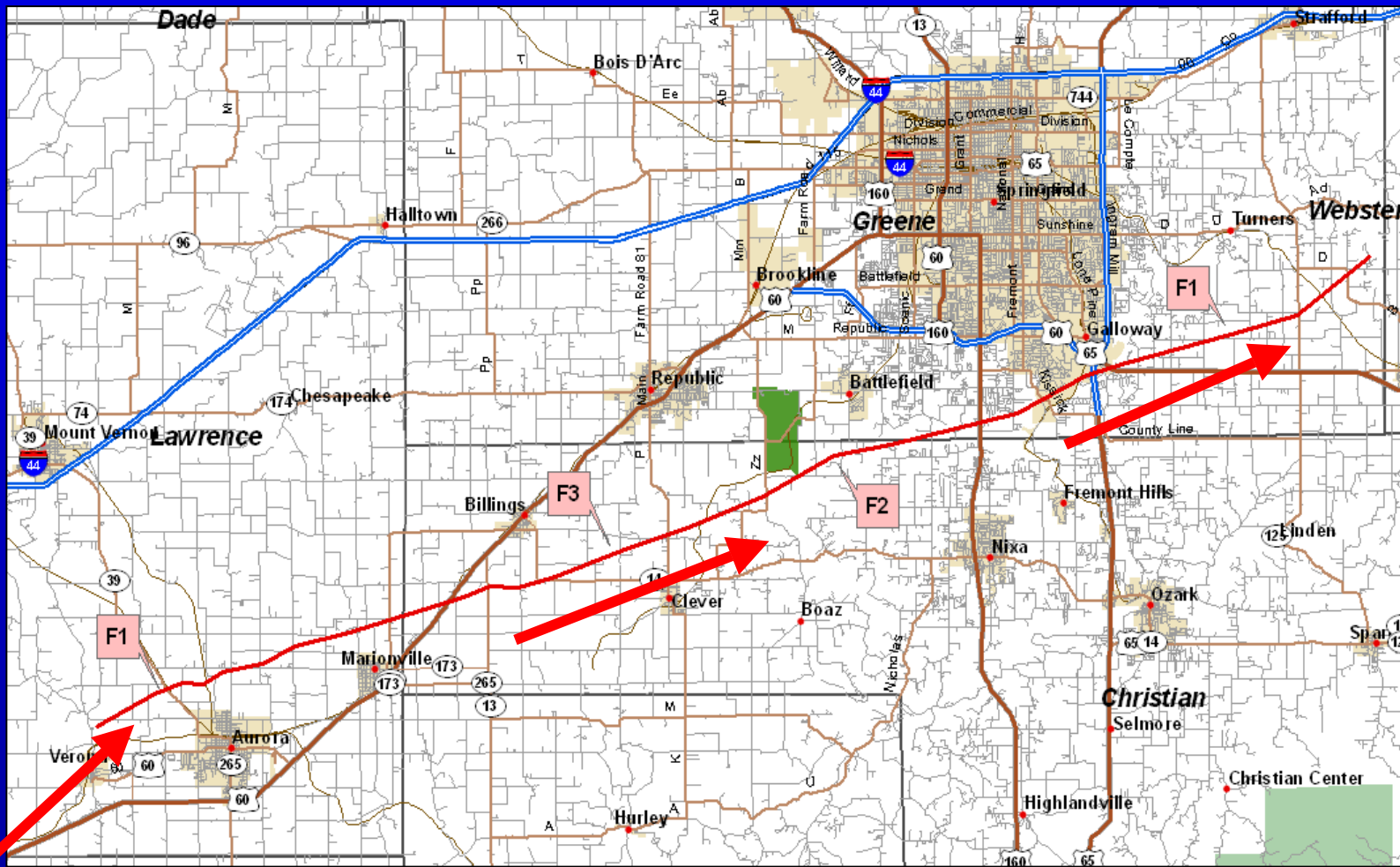
...easy, intuitive selection criteria and economic indicators for your geography, workforce, and industry.

# Uses for *OnTheMap*

- ✓ Economic development
- ✓ Transportation analysis
- ✓ Emergency management

# OnTheMap

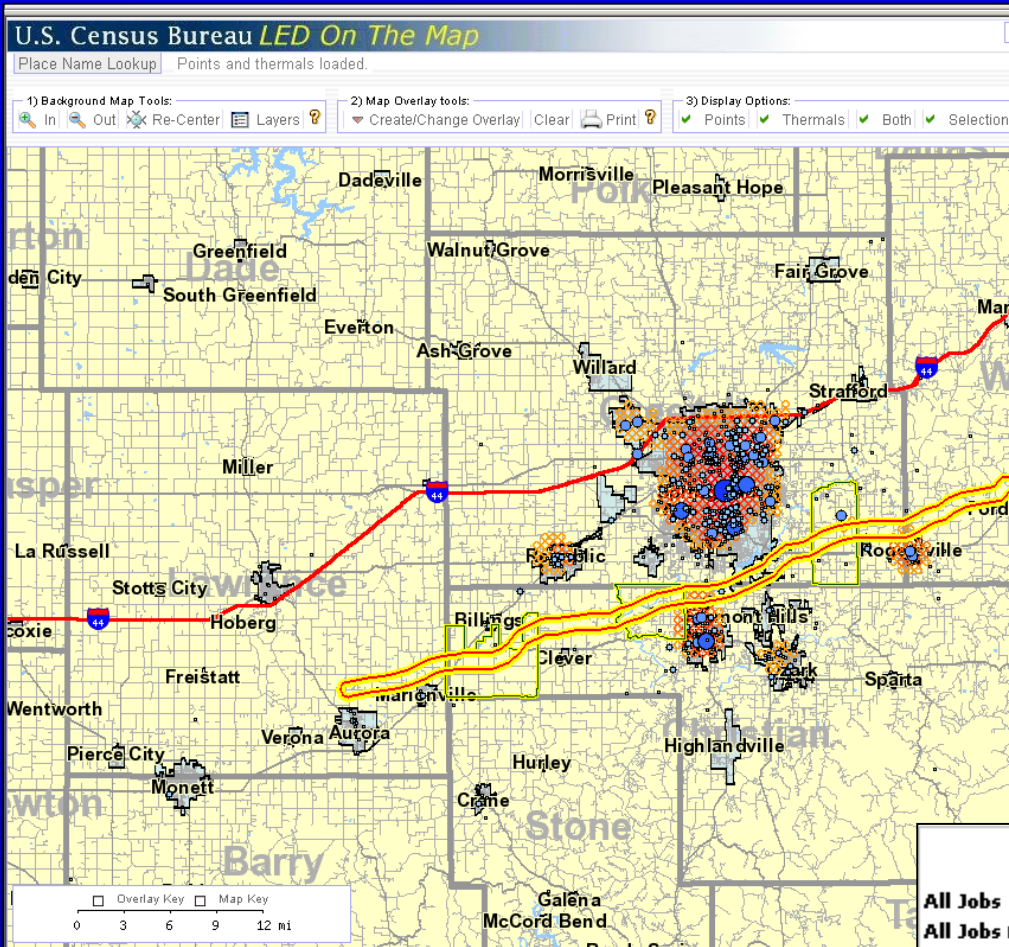
## Tornado Path in Missouri



F-Scale: F3 between Clever and Nixa  
Width: 1/4 to 1/2 mile

Path Length: ~40 miles  
Time: 10:08 – 11:00 P.M.

# OnTheMap: Where People Go to Work



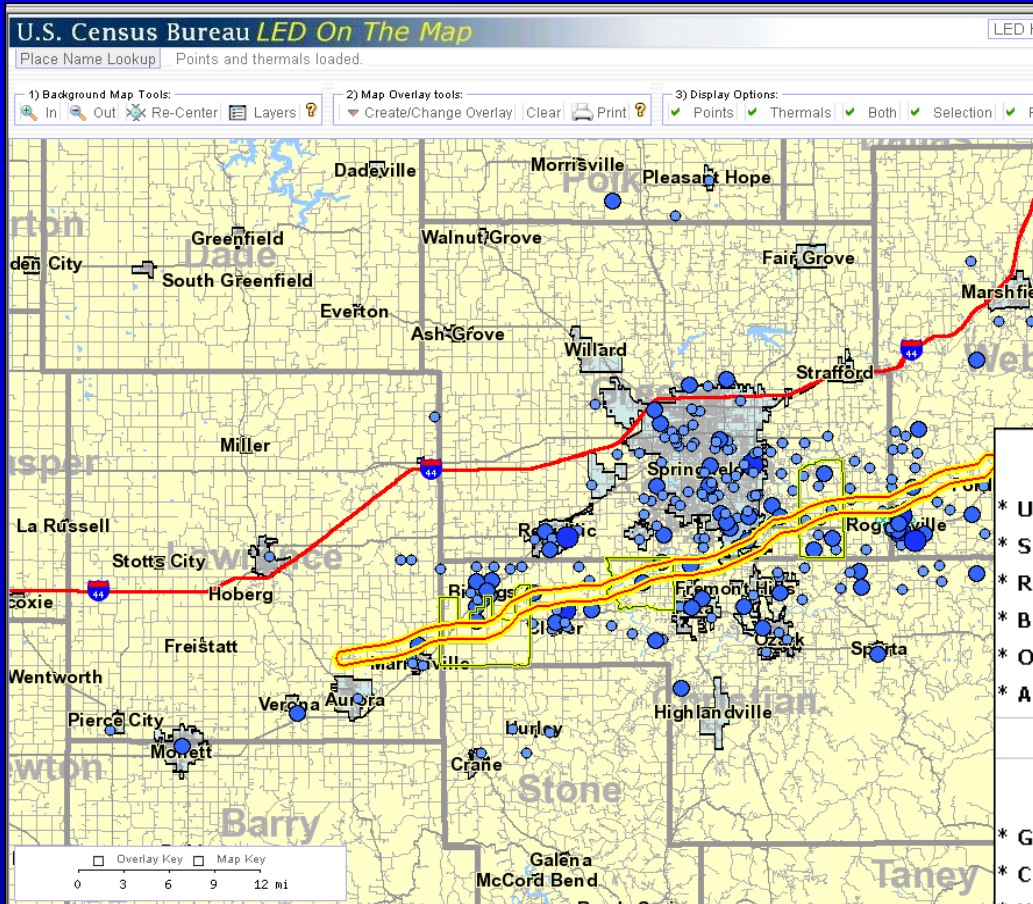
Workers by Industry Type (2-digit NAICS)	2003	
	Count	Share
* Agriculture, Forestry, Fishing and Hunting	5	0.3%
* Mining	1	0.1%
* Utilities	3	0.2%
* Construction	134	8.6%
* Manufacturing	195	12.5%
* Wholesale Trade	132	8.5%
* Retail Trade	230	14.8%
* Transportation and Warehousing	79	5.1%
* Information	54	3.5%
* Finance and Insurance	82	5.3%
* Real Estate and Rental and Leasing	25	1.6%
* Professional, Scientific, and Technical Services	70	4.5%
* Management of Companies and Enterprises	35	2.2%
* Administration & Support, Waste Management and Remediation	76	4.9%
* Educational Services	13	0.8%
* Health Care and Social Assistance	202	13%
* Arts, Entertainment, and Recreation	23	1.5%
* Accommodation and Food Services	124	8%
* Other Services (excluding Public Administration)	74	4.8%
* Public Administration	0	0%

Resident Held Jobs by Category	2003	
	Count	Share
All Jobs	1,943	100.0%
All Jobs (Private Sector Only)	1,644	84.6%
All Primary Jobs (Worker's highest paying job)	1,843	94.9%
All Primary Jobs (Private Sector Only) and Baseline Count of Workers	1,557	80.1%

Workers by Earnings Paid	2003	
	Count	Share
\$1,200 per month or less	452	29%
\$1,201 to \$3,400 per month	674	43.3%
More then \$3,400 per month	431	27.7%

Where do people who live in the path of the tornado work?

# OnTheMap: Where Workers Live



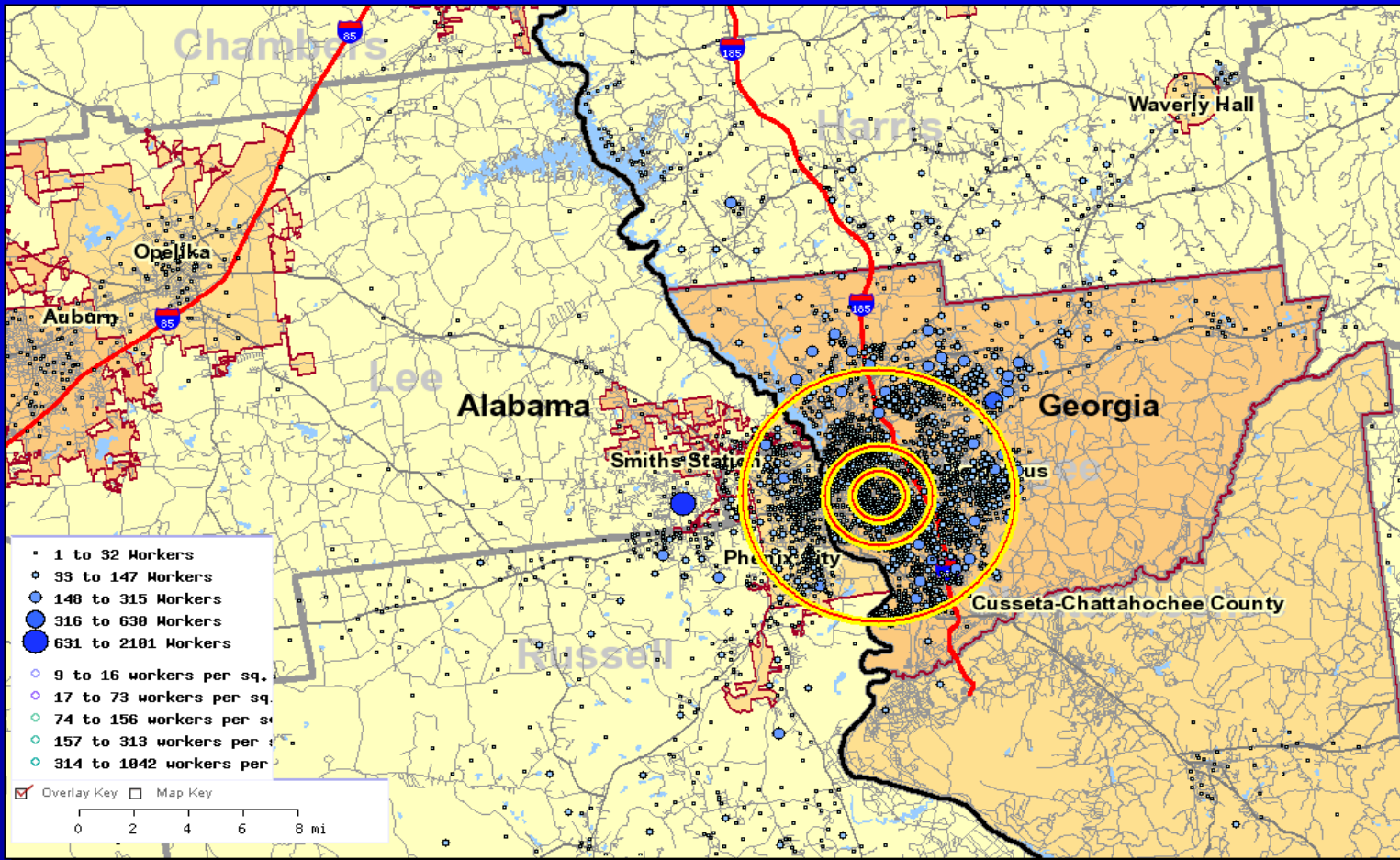
QWI Indicators - Private Sector Jobs		2003:Q2
* Employment (Beginning-of-2nd quarter)		248
* Employment, Stable Jobs		210
* Separations, Stable Jobs		24
* New Hires, Stable Jobs		21
* Firm Job Gain		38
* Firm Job Loss		21
* Employment (reference quarter)		326
* Average Monthly Earnings, Stable Jobs		\$ 2,283
* Average Monthly Earnings Separations from Stable Jobs		\$ 975
* Average Monthly Earnings, New Hires, Stable Jobs		\$ 2,128

Cities/Towns Where Workers Live		2003	
	Count	Share	
* Unincorporated Areas	112	45.2%	
* Springfield, MO	52	21%	
* Republic, MO	14	5.6%	
* Billings, MO	12	4.8%	
* Out-of-State	9	3.6%	
* All Other Locations	49	19.8%	

Counties Where Workers Live		2003	
	Count	Share	
* Greene Co., MO	97	39.1%	
* Christian Co., MO	73	29.4%	
* Webster Co., MO	22	8.9%	
* Lawrence Co., MO	14	5.6%	
* Out-of-State	9	3.6%	
* All Other Locations	33	13.3%	

Where do workers employed at jobs located in the path of the tornado live?

# Cross-Border Labor Shed Using Concentric Circle Analysis



# Report from Concentric Circle Analysis

## Jobs by Earnings Paid

	5 Mi. Radius		2 Mi. Radius		1 Mi. Radius	
	Count	Share	Count	Share	Count	Share
* \$1,200 per month or less	24,736	32.2%	8,178	23.0%	1,899	27.5%
* \$1,201 to \$3,400 per month	36,414	47.4%	18,690	52.6%	3,660	53.0%
* More than \$3,400 per month	15,735	20.5%	8,649	24.4%	1,348	19.5%

## Jobs by Industry Type (2-digit NAICS)

	5 Mi. Radius		2 Mi. Radius		1 Mi. Radius	
	Count	Share	Count	Share	Count	Share
* Agriculture, Forestry, Fishing and Hunting	80	0.1%	25	0.1%	2	0.0%
* Mining	80	0.1%	29	0.1%	0	0.0%
* Utilities	205	0.3%	67	0.2%	63	0.9%
* Construction	3,043	4.0%	1,200	3.4%	346	5.0%
* Manufacturing	9,490	12.3%	3,334	9.4%	53	0.8%
* Wholesale Trade	1,728	2.2%	604	1.7%	37	0.5%
* Retail Trade	9,500	12.4%	1,947	5.5%	433	6.3%
* Transportation and Warehousing	665	0.9%	45	0.1%	11	0.2%
* Information	5,110	6.6%	4,159	11.7%	338	4.8%
* Finance and Insurance	5,659	7.4%	4,127	11.6%	2,797	40.5%
* Real Estate and Rental and Leasing	1,586	2.1%	418	1.2%	88	1.3%
* Professional, Scientific, and Technical Services	3,742	4.9%	2,620	7.4%	425	6.2%
* Management of Companies and Enterprises	1,687	2.2%	1,091	3.1%	86	1.2%
* Administration & Support, Waste Management and Remediation	6,123	8.0%	2,776	7.8%	719	10.4%
* Educational Services	2,374	3.1%	41	0.1%	11	0.2%
* Health Care and Social Assistance	9,846	12.8%	7,030	19.8%	568	8.2%

# OnTheMap: Downtown St. Louis

## Proposed Mississippi River Bridge Project

### LED in Action

#### Proposed Mississippi River Bridge Project Analysis

##### Cross Border Commuting



Where do people who work in North St. Louis, MO live?



Where do people who live in Granite City, IL work?



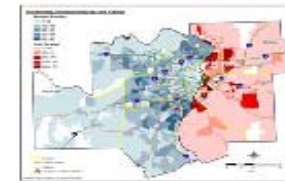
Where do people who work in East St. Louis, IL live?



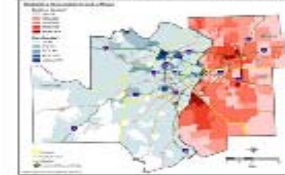
Where do people who live in East St. Louis, IL work?

The purple thermal coloration and blue dots represent where people who work in the study area live. The orange thermal coloration and blue dots represent where those who live in the study area work. The study areas (northern St. Louis City, MO, Granite City, IL and East St. Louis, IL in this case) are highlighted in yellow.

In these illustrations, the importance of the current bridges for residents in the northern neighborhoods of greater St. Louis is highlighted by the identification of commuters crossing from northern St. Louis to Granite City, IL, and from Granite City, IL to downtown St. Louis and numerous locations on the inner and outer beltways.



More workers commute from Illinois into Missouri.



##### The Current Situation and the New Mississippi River Bridge

Presently, there is one interstate crossing the Mississippi River in downtown St. Louis: the Poplar St. Bridge. It handles traffic from Interstates 55, 64, and 70. According to transportation planners, the Poplar St. Bridge is severely overburdened. The 2-mile approach from the Illinois side adds to the congestion with the convergence of three interstates. Projections show that severe traffic congestion is likely by the year 2020, without improvements to the transportation network. Rush-hour congestion could double and last up to three hours. The average delay would increase from 10 minutes per vehicle today to 55 minutes per vehicle by the year 2020.

The proposed new bridge would host Interstate 70, one of three primary east-west interstate highways in the country. The cable-stayed bridge would be designed to carry eight lanes of traffic and be located approximately one mile north of the Dr. Martin Luther King Bridge. With LED we can identify geographic concentrations of commuters both where they live and where they work, on either side of the Mississippi, aiding transportation planning within the metropolitan area.

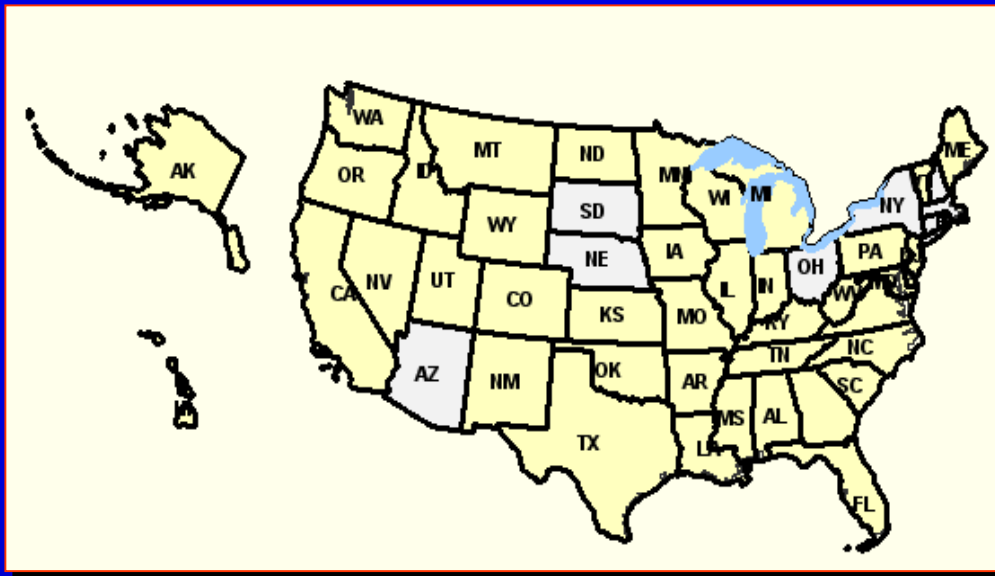


USCENSUSBUREAU  
ANALYZING AND MAKING SENSE OF DATA

<http://lehdmap.dsd.census.gov>







# OnTheMap

LED's online dynamic mapping tool

- ✓ 42 states online
- ✓ User-selected areas
- ✓ Block is base unit for display; block group is base unit for report
- ✓ Geographic layers such as community colleges and zip codes

- ✓ Where do workers live?
- ✓ Where do residents work?
- ✓ Reports on age, earnings, and industries with three years of data
- ✓ Cross-state flows

# Local Employment Dynamics' Tools and Features

<http://lehd.did.census.gov>

U.S. Census Bureau  
**Longitudinal Employer-Household Dynamics**

Home | **Local Employment Dynamics** | Data Tools | Research | Library | About Us  
Site Map | Feedback | Ask Census

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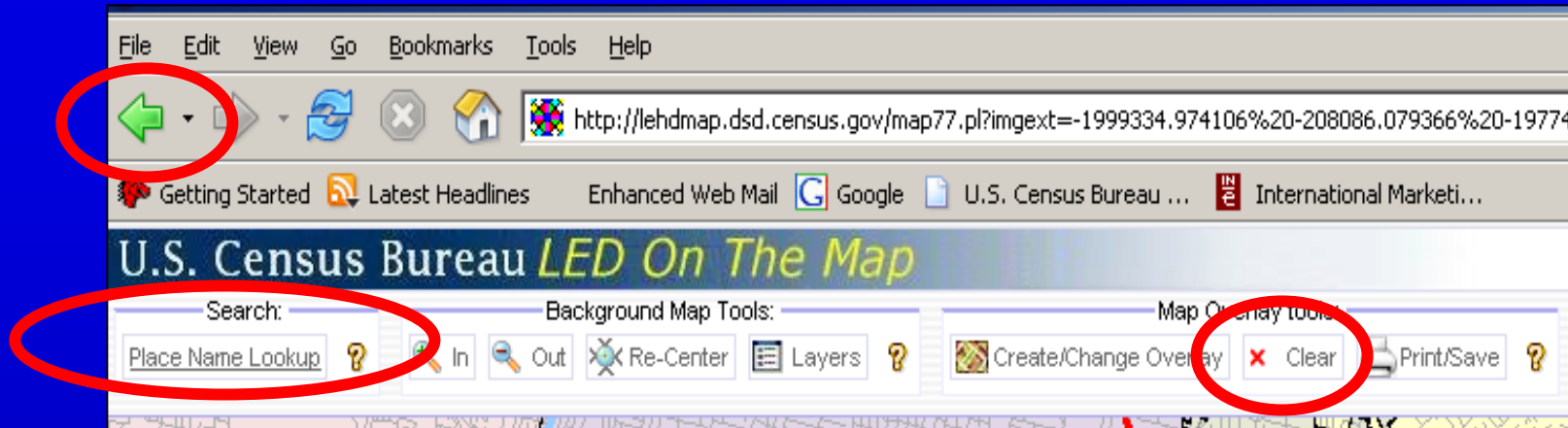
QUICK LINKS	WHAT'S NEW?	Q&A
<ul style="list-style-type: none"><li>▶ <a href="#">CED HotReport</a></li><li>▶ <a href="#">Older Worker Profiles</a></li><li>▶ <a href="#">QWI Online</a></li><li>▶ <a href="#">Industry Focus</a></li><li>▶ <a href="#">Partners Only</a></li><li>▶ <a href="#">OnTheMap V2</a></li><li>▶ <b>e-Learning Modules</b><ul style="list-style-type: none"><li><a href="#">Site Tour</a></li><li><a href="#">Industry Focus Tour</a></li><li><a href="#">QWI Online Tour</a></li><li><a href="#">OnTheMap Tour</a></li><li><a href="#">LED Coach</a></li></ul></li></ul>	<ul style="list-style-type: none"><li>▶ 10/23/07: <a href="#">South Dakota Joins LED</a></li><li>▶ 10/17/07: <a href="#">Indiana Profiles of Older Workers Released</a></li><li>▶ 10/12/07: <a href="#">OnTheMap version 1 Withdrawn</a></li><li>▶ 09/30/07: <a href="#">OnTheMap version 2.3 Released</a></li><li>▶ 09/20/07: <a href="#">Vermont Profiles of Older Workers Released</a></li></ul> <p><a href="#">[more...]</a></p> <p><a href="#">Click here to send an email to join the OnTheMap listserv.</a></p> <p><b>Mark Your Calendar! 2008 LED Workshop Scheduled for March 6-7 at Census Bureau Headquarters (Suitland, Maryland)</b></p>	<ul style="list-style-type: none"><li>▶ <a href="#">What is LEHD?</a></li><li>▶ <a href="#">What is LED?</a></li><li>▶ <a href="#">What is the difference between LEHD and LED?</a></li><li>▶ <a href="#">What are the QWI?</a></li></ul> <p><a href="#">[more...]</a></p>
<p><b>Local Employment Dynamics</b> <a href="#">Confidentiality and LED</a>, <a href="#">State Partners</a>, <a href="#">Partnership</a>, <a href="#">Partners Only</a></p> <p><b>Data Tools</b> <a href="#">CED HotReports</a>, <a href="#">QWI Online</a>, <a href="#">OnTheMap V2</a>, <a href="#">Industry Focus</a>, <a href="#">Cornell-based Data Access</a>, <a href="#">Case Studies and Examples</a></p> <p><b>Research</b> <a href="#">Research Data Center</a>, <a href="#">Confidentiality Research</a>, <a href="#">Low Wage Work</a>, <a href="#">Human Capital &amp; Productivity</a>, <a href="#">Transportation</a>, <a href="#">Aging &amp; Pension Benefits</a></p>	<p><b>Library</b> <a href="#">Profiles</a>, <a href="#">Workshops</a>, <a href="#">Training</a>, <a href="#">Technical User Guides</a>, <a href="#">Technical Papers</a>, <a href="#">Presentations</a>, <a href="#">Newsletters</a>, <a href="#">Archives</a></p> <p><b>About Us</b> <a href="#">Mission</a>, <a href="#">FAQs</a>, <a href="#">Staff</a>, <a href="#">Contact</a>, <a href="#">Directions</a></p>	<p><b>DID YOU KNOW?</b></p> <p>...that of the industries in <b>Oregon</b> that employed more than 500 workers <b>65 years and older</b> in 2002, the highest paying was lumber and wood products (\$3,361 a month)?</p>

Census Bureau Links: [Home](#) · [Search](#) · [Subjects A-Z](#) · [FAQs](#) · [Data Tools](#) · [Catalog](#) · [Census 2000](#) · [Quality](#) · [Privacy Policy](#) · [Contacts](#)

# Three Learning Aids for Using OnTheMap

- **e-Learning module - OnTheMap Tour:**  
12 minute illustrated and narrated scenario
- **LED Coach** on [lehd.did.census.gov](http://lehd.did.census.gov) home page under Quick Links
- **Help includes Glossary of Terms:** “Help” is located at the top of every OnTheMap page
- **New documentation**

# What if I Goof Up?



- **Back Arrow:** will undo most single mistakes
- **Clear:** clear the points, thermals and selected geography
- **Place Name Lookup:** use this if things get really confusing; just type in your place name and start over

# Background Map Layers

U.S. Census Bureau *LED OnTheMap*

LED Home | Help | On The Map tool | Text-based tool

Search: Place Name Lookup | Background Map Tools: In | Out | Re-Center | **Layers** | Map Overlay tools: Create/Change Overlay | Clear | Print/Save | Points | Thermals | Both | Selection | Report | Display Options: | Snapshots: Add Current

Change the selected layers as required, and click the 'Update' button to confirm.

"A" = Map display, "B" = Label display

**Update Layers**

A	B	Layer Name
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	US States
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Counties
<input type="checkbox"/>	<input type="checkbox"/>	County Subdivisions
<input type="checkbox"/>	<input type="checkbox"/>	Census Tracts
<input type="checkbox"/>	<input type="checkbox"/>	Census Block Groups
<hr/>		
<input type="checkbox"/>	<input type="checkbox"/>	Core Based Statistical Areas (CBSA)
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Incorporated Places
<input type="checkbox"/>	<input type="checkbox"/>	US 110th Congressional Districts
<input type="checkbox"/>	<input type="checkbox"/>	Zip Code Areas (ZCTA)
<input type="checkbox"/>	<input type="checkbox"/>	Military Bases
<input type="checkbox"/>	<input type="checkbox"/>	Tribal Lands
<hr/>		
<input type="checkbox"/>	<input type="checkbox"/>	Workforce Investment Areas (WIB)
<input type="checkbox"/>	<input type="checkbox"/>	WIRED Regions (Generation 1)
<input type="checkbox"/>	<input type="checkbox"/>	WIRED Regions (Generation 2)
<input type="checkbox"/>	<input type="checkbox"/>	WIRED Regions (Generation 3)
<hr/>		
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Lakes and Rivers
<hr/>		
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	US Interstate Highways
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	US and State Highways
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Local Roads
<hr/>		
<input type="checkbox"/>	<input type="checkbox"/>	OneStop Career Centers
<input type="checkbox"/>	<input type="checkbox"/>	Community Colleges

# Create/Change Overlay: Create Travel Sheds

The screenshot displays the U.S. Census Bureau LED On The Map web application. The interface includes a search bar, background map tools (Place Name Lookup, In, Out, Re-Center, Layers), map overlay tools (Create/Change Overlay, Clear, Print/Save), and display options (Points, Thermals, Both, Selection, Report). The 'Create/Change Overlay' tool is highlighted with a red circle. A dropdown menu is open, showing the following options:

- Create Travel Sheds (Show where workers live or work)
- Create Paired Area - First Selection (Analyze two areas; a home and workplace pair)
- Continue Paired Area - Second Selection (Analyze two areas; a home and workplace pair)
- Analyze Concentric Rings (Profile workers within rings around a selected location)

A red arrow points to the 'Create Travel Sheds' option. The map shows a geographic area with various cities and highways, including Orange, Costa Mesa, Newport Beach, Laguna Beach, Aliso Viejo, Mission Viejo, Rancho Santa Margarita, Lake Forest, and San Juan Capistrano. A scale bar at the bottom left indicates distances from 0 to 4 miles.

# Travel Sheds Defined

**Commute shed** - Plots and reports where those who *live* in the selection area *work*.

**Labor shed** - Plots and reports where those who *work* in the selection area *live*.

# Create Travel Shed

## Select Labor Shed & Shed Report

U.S. Census Bureau *LED On The Map*

LED Home Help On The Map tool Text-based tool

Search: Place Name Lookup In Out Re-Center Layers Create/Change Overlay Clear Print/Save Points Thermals Both Selection Report

Background Map Tools: Map Overlay tools: Display Options:

Travel Shed Analysis:  
Select the required options from left to right. After you make a selection in step 5 this window will close, and you can select the required area on the map. The overlay will be calculated after you finish drawing your selection area.

1) Year:  2003  2002

2) Job Type:  All Jobs  All Primary  Private Jobs  Private Primary

3) Live or Work:  Commute shed (Selects a home area and maps where people work)  Labor shed (Selects an employment area and maps where workers live)

4) Report Type:  Shed report  Area profile report  QWI report  
Name: \_\_\_\_\_

5) Selection Tool:  Re-use selection  Freehand  Layer Selection  Buffered Selection  Circle Selection

Costa Mesa Newport Beach Laguna Beach San Juan Capistrano Dana Point

Irvine Lake Forest Mission Viejo San Juan Capistrano

Orange Lake Forest Rancho Santa Margarita

Laguna Woods Aliso Viejo

Jeep

State Highway 74

Ortega

San Diego Canyon El Toro Corona Cajalco

0 1 2 3 4 mi

Overlay Key Map Key



# Types of Reports

- **Shed:** shows top 10 cities and counties and top 3 states where people in the selection area live or work.
- **Area Profile:** shows job counts, workers' age and wage ranges, and industry types.
- **QWI:** shows 10 **Q**uarterly **W**orkforce **I**ndicators (in Labor Shed only.)
- The text box allows you to **name** your report.
- Reports can be **downloaded**.

U.S. Census Bureau *LED OnTheMap*

Search: \_\_\_\_\_ Background Map Tools: \_\_\_\_\_ Map Overlay tools: \_\_\_\_\_

Place Name Lookup ? In Out Re-Center Layers ? Create/Change Overlay Clear Print

Travel Shed Analysis:

Select the required options from left to right. After you make a selection in step 5 this window will close, and you can select the required area on the map. The overlay will be calculated after you finish drawing your selection area.

1) Year:	2) Job Type:	3) Live or Work:	4) Report Type:	5) Selection Tool:
<input checked="" type="radio"/> 2004 <input type="radio"/> 2003 <input type="radio"/> 2002	<input type="radio"/> All Jobs <input checked="" type="radio"/> All Primary <input type="radio"/> Private Jobs <input type="radio"/> Private Primary	<input type="radio"/> Commute shed (Selects a home area and maps where people work) <input checked="" type="radio"/> Labor shed (Selects an employment area and maps where workers live)	<input type="radio"/> Shed report <input checked="" type="radio"/> Area profile report <input type="radio"/> QWI report (labor shed only) Name: _____	<input checked="" type="radio"/> Re-use selection <input type="radio"/> Freehand <input type="radio"/> Layer Selection <input type="radio"/> Buffered Selection <input type="radio"/> Circle Selection

# Selection Layers

The screenshot displays the U.S. Census Bureau LED OnTheMap application interface. The main map shows Orange County, California, with various geographic layers overlaid. A red circle highlights the 'Selection Layers' dialog box, which is open on the left side of the screen. The dialog box contains the following text and options:

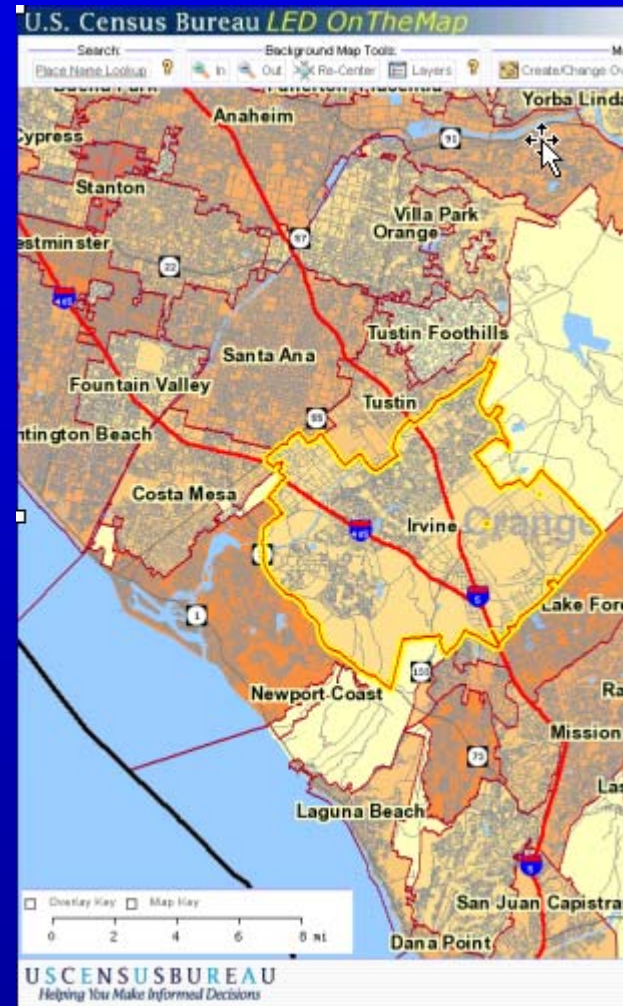
Choose a selection layer.  
Pick one of the layer types from the list below and then select the specific areas you want by dragging a line on the map, touching only those features you want included.

- Counties
- Incorporated Cities
- Core-Based Statistical Areas
- 110th US Congressional Districts
- WIRED Regions (Generation 1)
- WIRED Regions (Generation 2)
- WIRED Regions (Generation 3)
- Workforce Investment Areas (WIB)
- Tribal Lands
- States
- County Subdivisions
- Census Tracts
- Zip Code Tabulation Areas (ZCTA)
- Military Bases

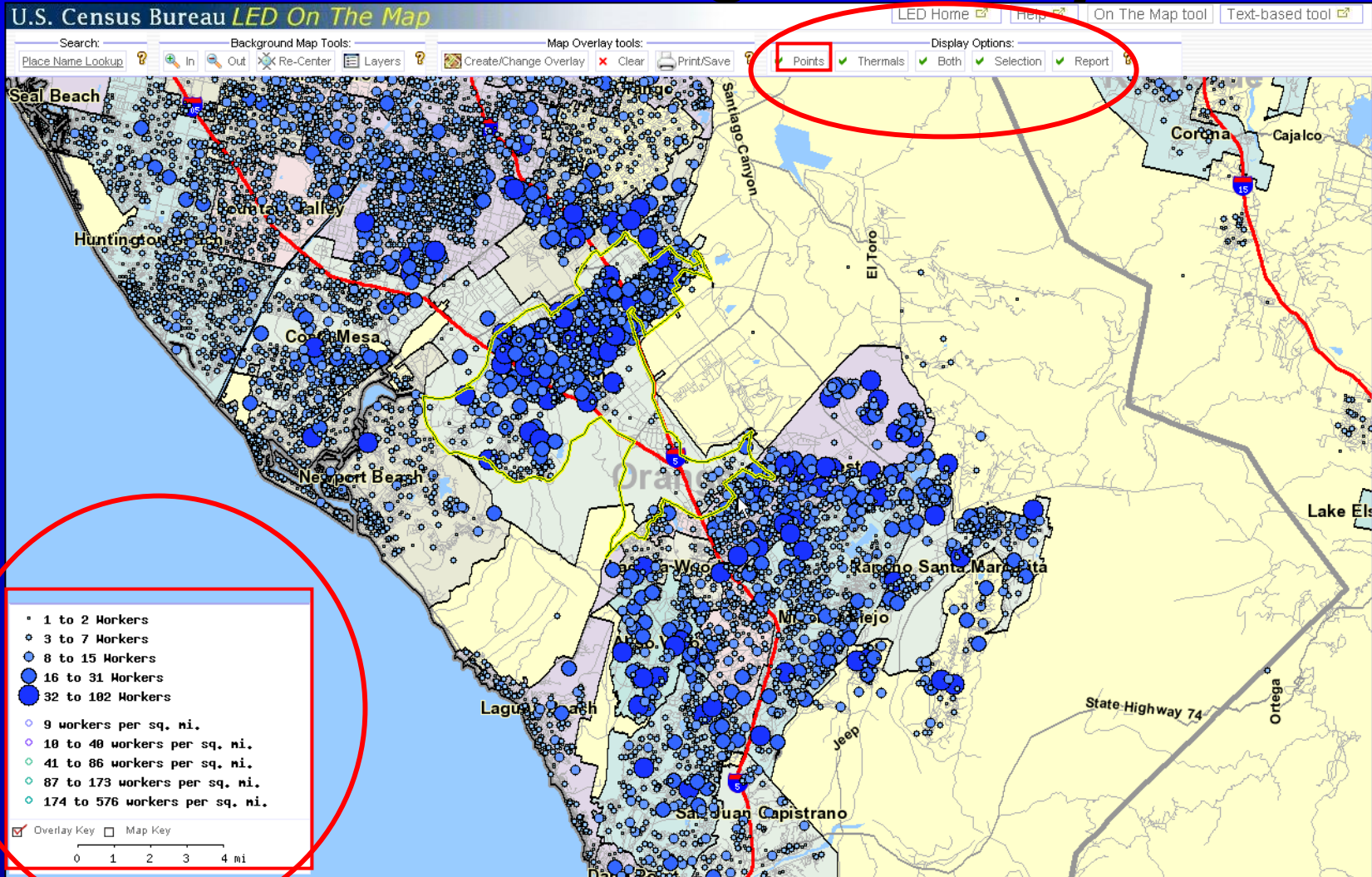
The map interface includes a search bar at the top left, a toolbar with various map tools (e.g., In, Out, Re-Center, Layers, Create/Change Overlay, Clear, Print/Save, Points, Thermals, Both, Selection, Report), and a 'Display Options' section. The map itself shows several labeled areas: Tustin Foothills, Tustin, Irvine, California, Newport Beach, Laguna Hills, Laguna Woods, Lake Forest, Mission Viejo, Rancho Santa Margarita, and Portola Hills. A scale bar at the bottom left indicates distances up to 2.8 miles.

# Click (or Click, Hold & Drag) to Select your Area

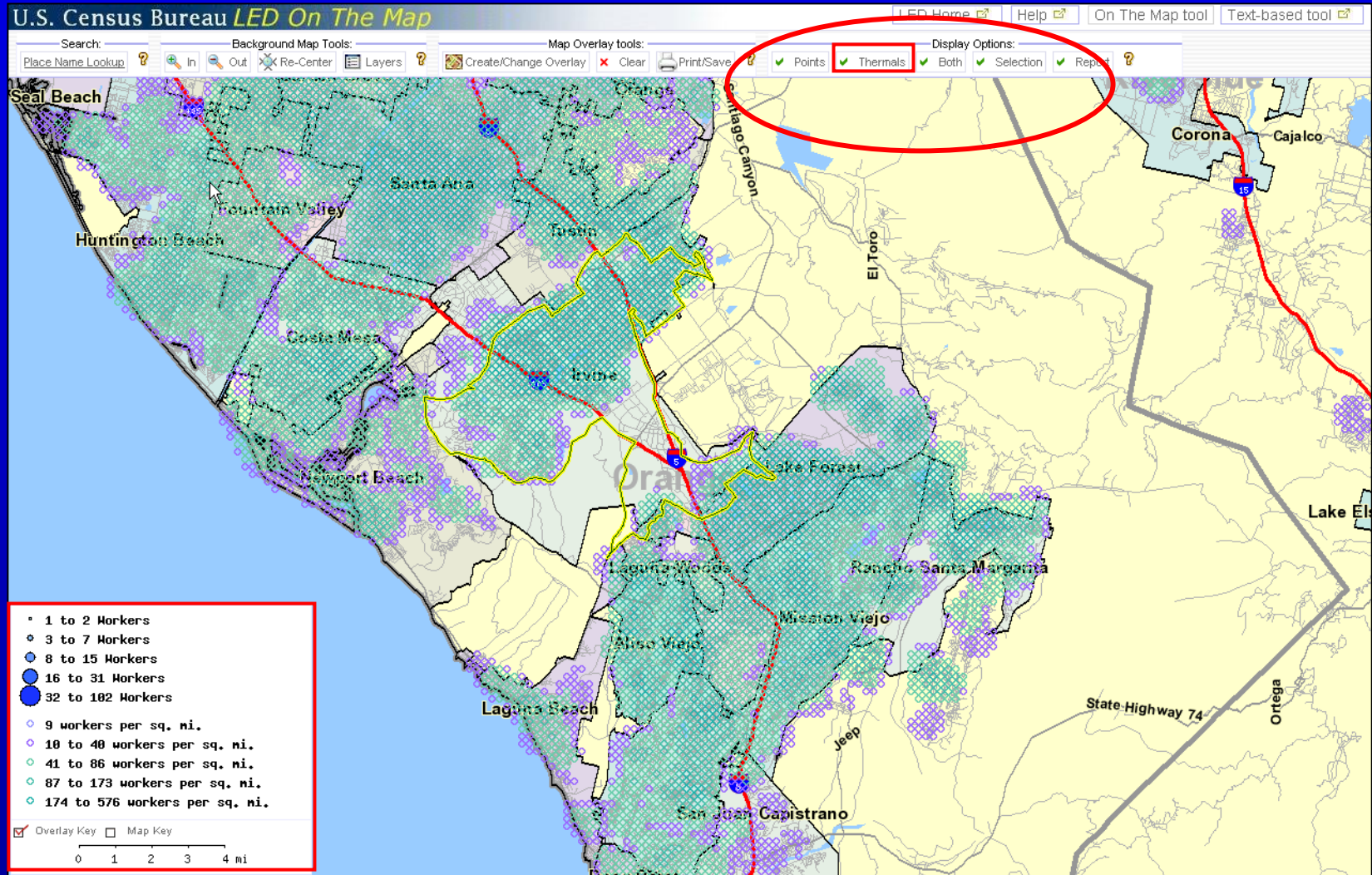
- The boundaries of your selected area will be highlighted once you make any mark within the chosen layer.
- You can aggregate areas by drawing a line across the boundaries of the chosen layer.



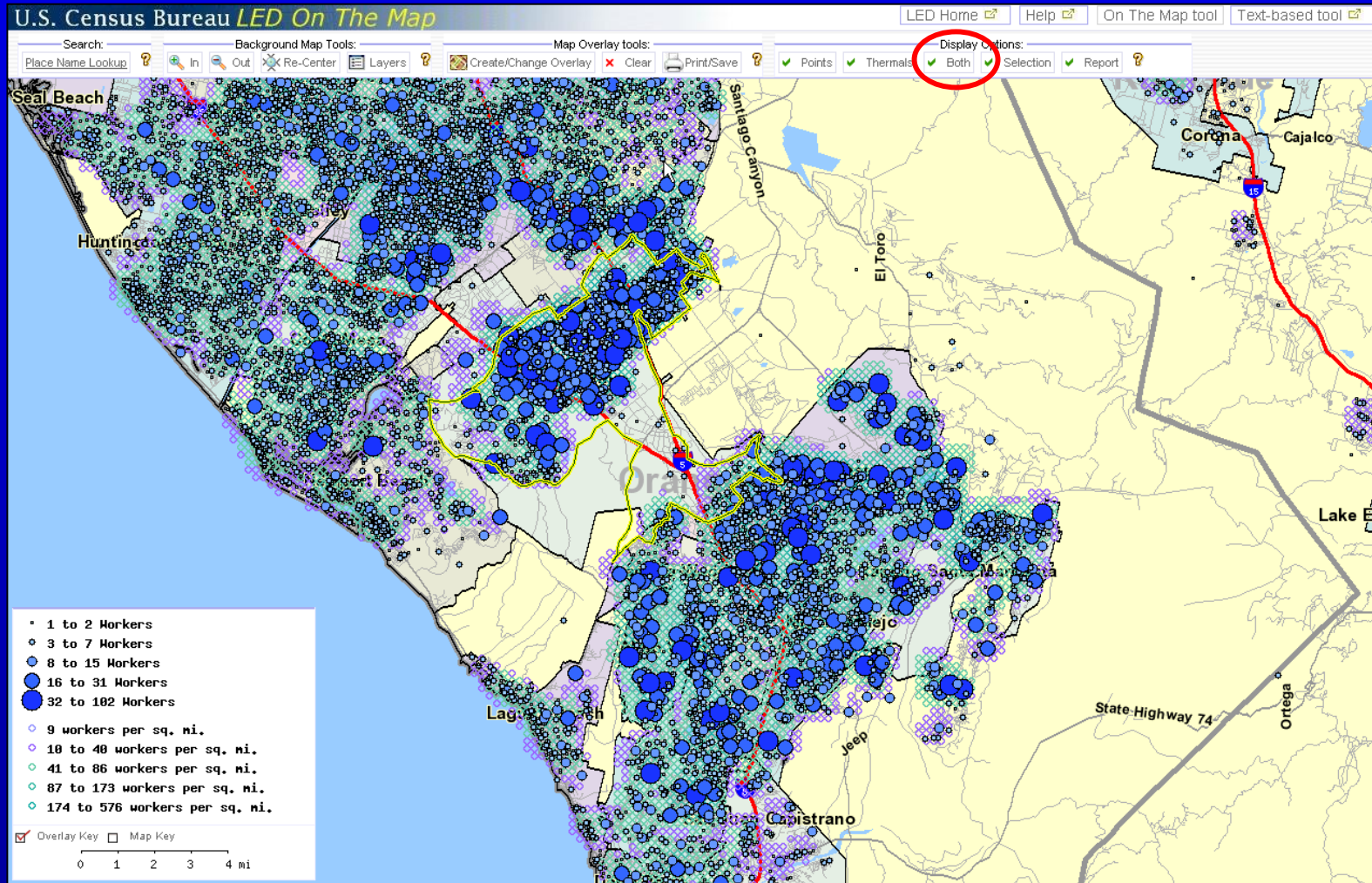
# Display Options: Points *Let the Hourglasses Spin*



# Display Options: Thermals Where Workers Live



# Both Points & Thermals



# Labor Shed Report

## Pop-up blockers OFF!

The screenshot shows the U.S. Census Bureau LED OnTheMap interface. A red box highlights the 'Report' button in the 'Display Options' section. A red arrow points to the 'Report' button. The map on the left shows Orange County, CA, with a yellow outline indicating the selection area. The report on the right provides the following data:

Alternative Report Formats: [PDF \(Open PDF info page\)](#) Excel - XLS Formatted Text TAB Delimited

Labor Shed Report - Where Workers Live that are Employed in the Selection Area

Area Employment by Category	2004		2003		2002	
	Count	Share	Count	Share	Count	Share
Total Employers:	7,108		7,006		6,777	
* All Jobs	190,109	100.0%	183,791	100.0%	174,861	100.0%
* All Jobs (Private Sector Only)	185,071	97.3%	178,960	97.4%	174,861	100.0%
* All Primary Jobs (Worker's highest paying job)	178,595	93.9%	172,811	94.0%	165,261	94.5%
* All Primary Jobs (Private Sector Only)	174,016	91.5%	168,351	91.6%	165,261	94.5%

Baseline Count of Jobs	2004		2003		2002	
	Count	Share	Count	Share	Count	Share
All Primary Jobs	178,595	100.0%	172,811	100.0%	165,261	100.0%

Cities/Towns Where Workers Live	2004		2003		2002	
	Count	Share	Count	Share	Count	Share
* Santa Ana, California	12,814	7.2%	12,869	7.4%	13,311	8.1%
* Irvine, California	12,697	7.1%	12,535	7.3%	11,226	6.8%
* Los Angeles, California	7,963	4.5%	7,652	4.4%	6,727	4.1%
* Anaheim, California	6,255	3.5%	5,966	3.5%	5,776	3.5%
* Lake Forest, California	5,682	3.2%	5,719	3.3%	5,643	3.4%
* Huntington Beach, California	5,635	3.2%	5,550	3.2%	5,177	3.1%

# Change Report with Re-use Selection

The screenshot shows the U.S. Census Bureau LED On The Map interface. The map displays a selection area in Orange County, California, with various cities labeled. The interface includes a search bar, background map tools, map overlay tools, and display options. A 'Travel Shed Analysis' dialog box is open, showing options for Year, Job Type, Live or Work, Report Type, and Selection Tool. The 'Re-use selection' option is highlighted in red. The data report on the right shows 'Area Employment by Category' for 2004, 2003, and 2002, with columns for Count and Share.

**U.S. Census Bureau LED On The Map**

Search: Place Name Lookup

Background Map Tools: In Out Re-Center Layers

Map Overlay tools: Create/Change Overlay Clear Print/Save

Display Options: Points Thermals Both Selection Report

Travel Shed Analysis:  
Select the required options from left to right. After you make a selection in step 5 this window will close, and you can select the required area on the map. The overlay will be calculated after you finish drawing your selection area.

1) Year: 2003 (selected)  
2) Job Type: All Primary (selected)  
3) Live or Work: Labor shed (selected)  
4) Report Type: QWI report (selected)  
5) Selection Tool: Re-use selection (selected)

Alternative Report Formats:  
PDF (Open PDF info page) Excel - XLS Formatted Text TAB Delimited

Selection Area Profile - Characteristics of Employed Workers

Area Employment by Category	2004		2003		2002	
	Count	Share	Count	Share	Count	Share
Total Employers	7,108		7,006		6,777	
* All Jobs	190,194	100.0%	183,845	100.0%	174,903	100.0%
* All Jobs (Private Sector Only)	185,156	97.4%	179,014	97.4%	174,903	100.0%
* All Primary Jobs (Worker's highest paying job)	178,669	93.9%	172,850	94.0%	165,301	94.5%
* All Primary Jobs (Private Sector Only)	174,090	91.5%	168,390	91.6%	165,301	94.5%

Baseline Count of Jobs	2004		2003		2002	
	Count	Share	Count	Share	Count	Share
All Primary Jobs	178,669	100.0%	172,850	100.0%	165,301	100.0%

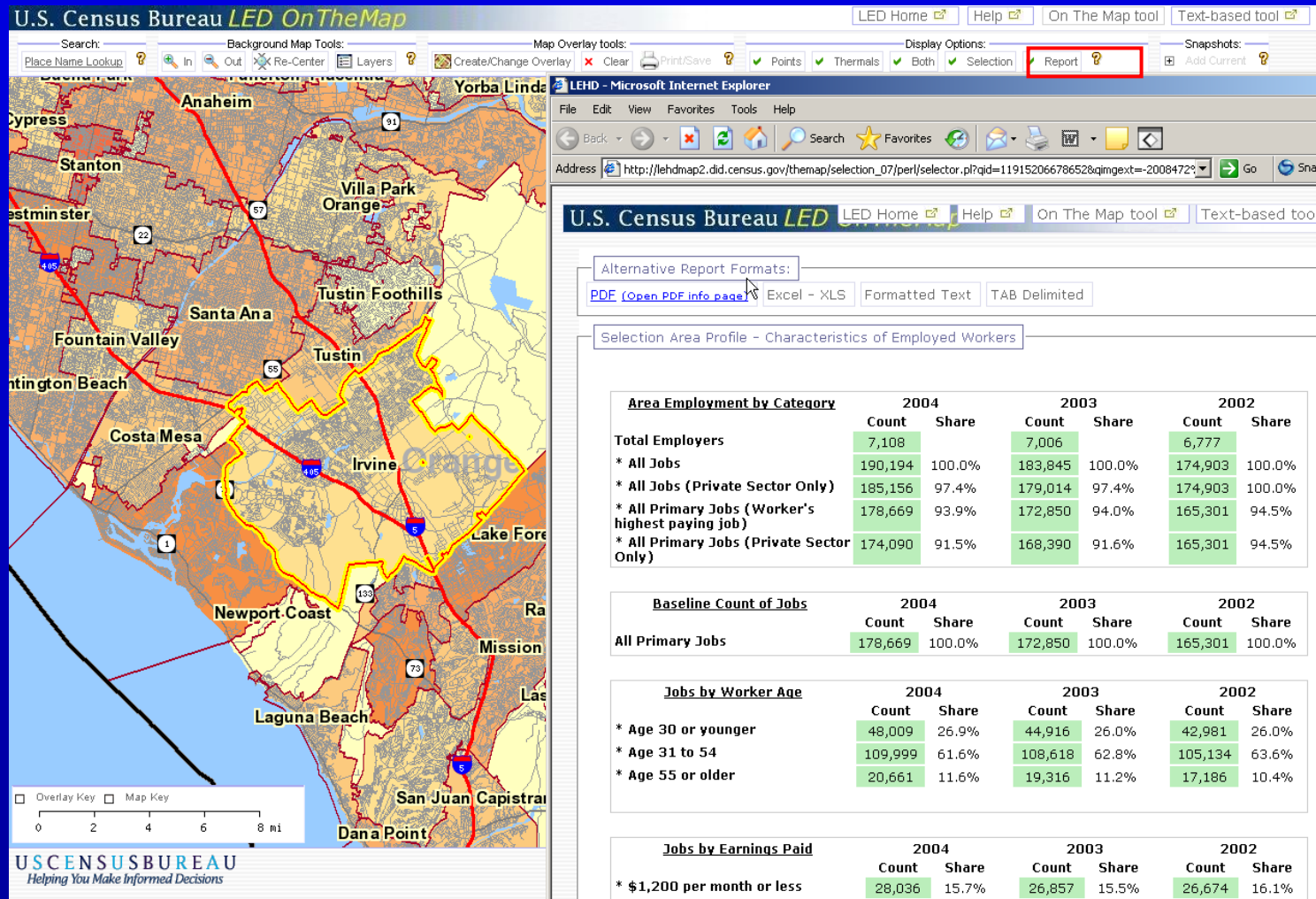
Jobs by Worker Age	2004		2003		2002	
	Count	Share	Count	Share	Count	Share
* Age 30 or younger	48,009	26.9%	44,916	26.0%	42,981	26.0%
* Age 31 to 54	109,999	61.6%	108,618	62.8%	105,134	63.6%
* Age 55 or older	20,661	11.6%	19,316	11.2%	17,186	10.4%

Jobs by Earnings Paid	2004		2003		2002	
	Count	Share	Count	Share	Count	Share
* \$1,200 per month or less	28,036	15.7%	26,857	15.5%	26,674	16.1%



# Area Profile Report: Characteristics of Irvine's Workers



# Re- Use Selection: Commute Shed

The screenshot displays the U.S. Census Bureau LED OnTheMap web application. The left pane shows a map of the Orange County area, including cities like Santa Ana, Tustin, Irvine, and Costa Mesa. The right pane shows the 'Commute Shed Area Profile Report -- Characteristics of Resident Workers' for the year 2004. The report includes data on Resident-Held Jobs by Category, Baseline Count of Jobs, Jobs by Workers Age, and Jobs by Earnings Paid, comparing 2004 data to 2003 and 2002 data.

**U.S. Census Bureau LED OnTheMap**

Search:  Background Map Tools:      Map Overlay tools:    Display Options:  Points  Thermals  Both  Freehand Toggle  Report

LEHD - Microsoft Internet Explorer

Address: [http://lehdmap2.did.census.gov/themap/selection\\_07/perl/selector.pl?qid=11945513220032&qimgext=-2003228](http://lehdmap2.did.census.gov/themap/selection_07/perl/selector.pl?qid=11945513220032&qimgext=-2003228)

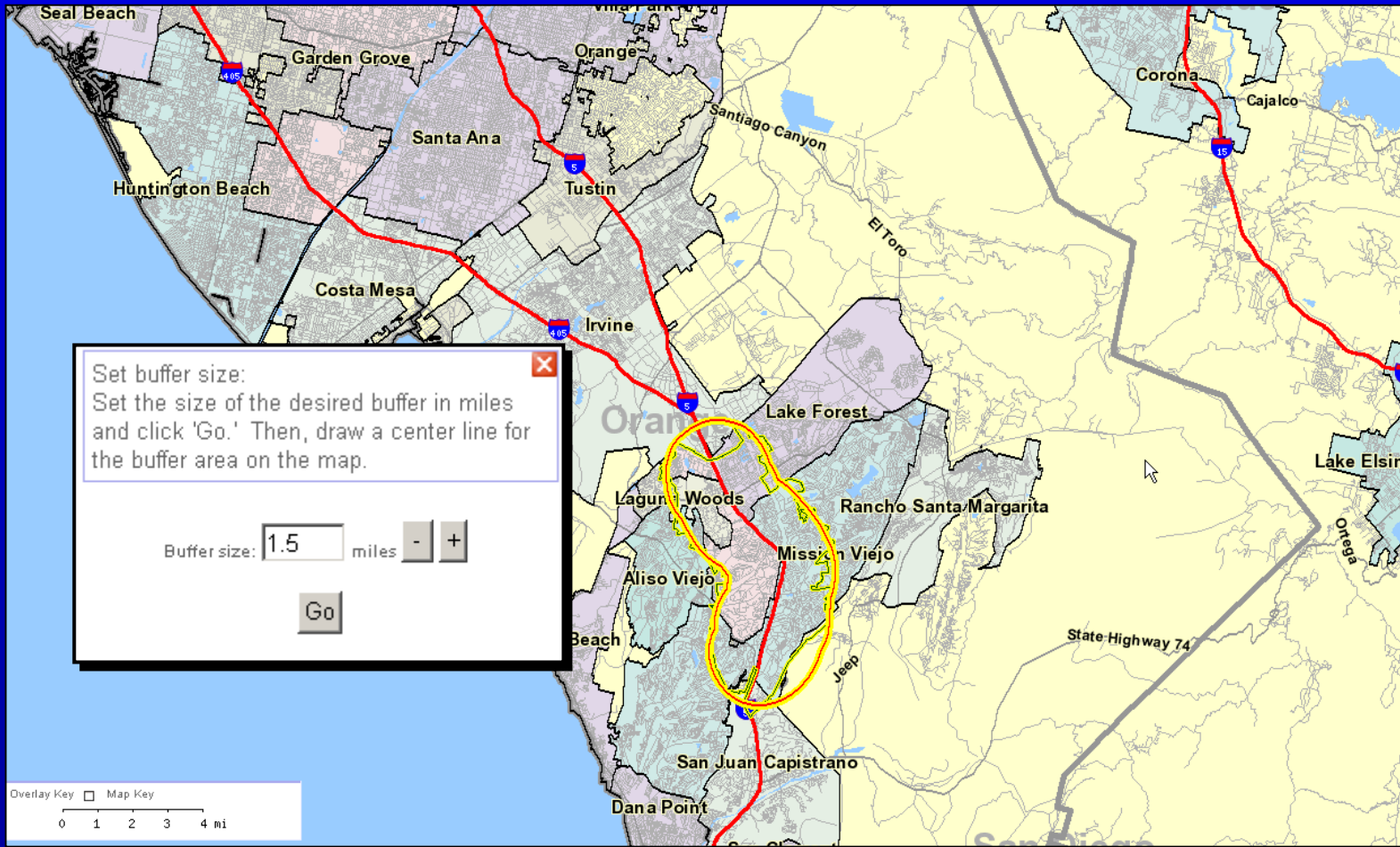
**U.S. Census Bureau LED OnTheMap**

Alternative Report Formats:  
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Commute Shed Area Profile Report -- Characteristics of Resident Workers

	2004		2003		2002	
	Count	Share	Count	Share	Count	Share
<b>Resident-Held Jobs by Category</b>						
* All Jobs	62,785	100.0%	62,098	100.0%	54,997	100.0%
* All Jobs (Private Sector Only)	56,803	90.5%	55,988	90.2%	54,997	100.0%
* All Primary Jobs (Worker's highest paying job)	58,547	93.2%	57,789	93.1%	51,588	93.8%
* All Primary Jobs (Private Sector Only)	53,002	84.4%	52,132	84.0%	51,588	93.8%
<b>Baseline Count of Jobs</b>						
All Primary Jobs	58,547	100.0%	57,789	100.0%	51,588	100.0%
<b>Jobs by Workers Age</b>						
* Age 30 or younger	13,815	23.6%	13,329	23.1%	12,280	23.8%
* Age 31 to 54	35,358	60.4%	35,593	61.6%	32,508	63.0%
* Age 55 or older	9,374	16.0%	8,867	15.3%	6,800	13.2%
<b>Jobs by Earnings Paid</b>						
* \$1,200 per month or less	10,586	18.1%	10,545	18.2%	9,714	18.8%

# Buffer Selection



# QWI Report

## Only Available for Labor Shed

The screenshot displays the U.S. Census Bureau LED OnTheMap interface. On the left is a map of Orange County, California, with various cities labeled. On the right is a data table titled 'QWI Indicators - Private Sector Jobs' with columns for 2004:Q2, 2003:Q2, and 2002:Q2. The table lists various employment and earnings metrics. A red circle highlights the 'QWI Indicators - Private Sector Jobs' section header and the first row of data.

**QWI Indicators - Private Sector Jobs**

	2004:Q2	2003:Q2	2002:Q2
* Employment (Beginning-of-2nd quarter)	82,723	81,410	80,737
* Employment, Stable Jobs	71,948	71,374	70,056
* Separations, Stable Jobs	6,869	6,571	6,865
* New Hires, Stable Jobs	8,929	9,614	8,512
* Firm Job Gain	6,046	3,998	4,302
* Firm Job Loss	3,531	3,306	3,803
* Employment (reference quarter)	101,029	96,680	96,910
* Average Monthly Earnings, Stable Jobs	\$ 3,946	\$ 3,800	\$ 3,654
* Average Monthly Earnings Separations from Stable Jobs	\$ 1,615	\$ 1,617	\$ 1,839
* Average Monthly Earnings, New Hires, Stable Jobs	\$ 2,791	\$ 2,901	\$ 2,716

# Create & Continue Paired Area

The screenshot shows the U.S. Census Bureau LED OnTheMap interface. At the top, there is a search bar with the text "Place Name Lookup" and a help icon. To the right, there are "Background Map Tools" including "In", "Out", "Re-Center", and "Layers", each with a corresponding icon and a help icon. Further right is a "Map Overlay" section with a "Create/Change Overlay" button. A dialog box is open in the center, titled "Please select the overlay type you wish to create or edit." with a close button (X) in the top right corner. The dialog box contains a list of options, each with a help icon:

- Create Travel Sheds (Show where workers live or work)
- Create Paired Area - First Selection (Analyze two areas; a home and workplace pair)
- Continue Paired Area - Second Selection (Analyze two areas; a home and workplace pair)
- Analyze Concentric Rings (Profile workers within rings around a selected location)

The "Continue Paired Area - Second Selection" option is circled in red. The background map shows a street view of a residential area with a red circle highlighting a specific location.

# Paired Area Analysis: Report Circle and Freehand Selections

The screenshot shows the LEHD (Local Employment Dynamics) map interface. The map displays several areas including Irvine, Lake Forest, Laguna Woods, Laguna Hills, Aliso Viejo, Laguna Beach, and Laguna Niguel. A red circle highlights a specific area in Laguna Hills, and a yellow freehand selection outlines a larger area. The interface includes search tools, map overlay options, and a report window.

**U.S. Census Bureau LED** LED Home Help On The Map tool Text-based t

Alternative Report Formats:  
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Paired Area Report - Characteristics of Workers that Work in Selection Area #1 and Live in Area #2  
 Workers in central Mission Viejo Who Live in Laguna Hills

Workers Employed in Selection Area #1	2003	
	Count	Share
* All Jobs	9,493	100.0%
* All Jobs (Private Sector Only)	7,413	100.0%
* All Primary Jobs (Worker's highest paying job)	8,769	100.0%
* All Primary Jobs (Private Sector Only)	6,867	100.0%

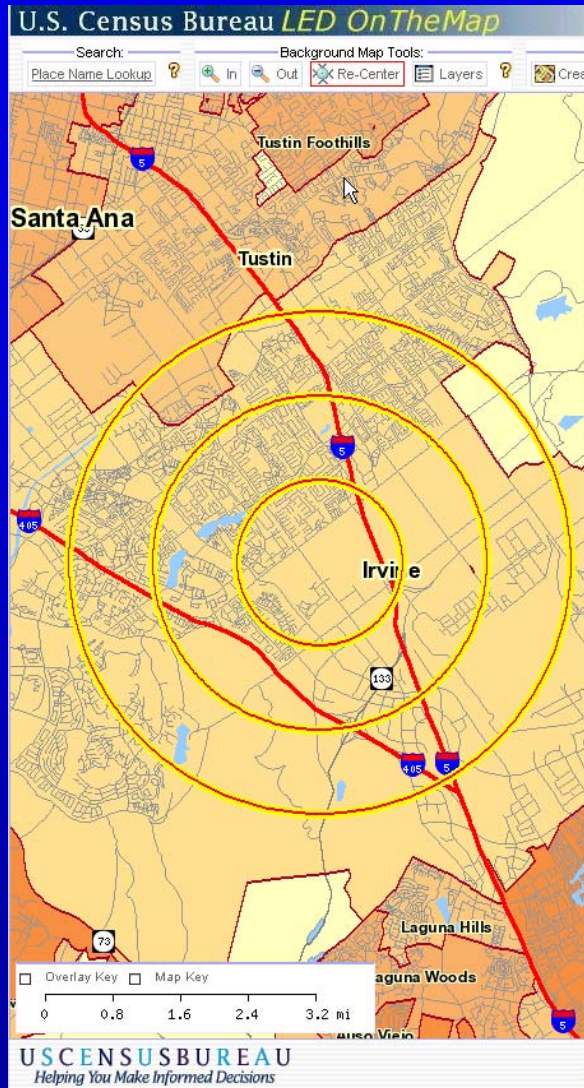
Workers of Area #1 Living in Area #2	2003	
	Count	Share
* All Jobs	151	1.6%
* All Jobs (Private Sector Only)	78	1.1%
* All Primary Jobs (Worker's highest paying job)	141	1.6%
* All Primary Jobs (Private Sector Only)	76	1.1%

Data Sources  
 US Census Bureau, LED Worker Origin/Destination Database (2nd Quarter 2002 and 2003)

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 Helping You Make Informed Decisions

Source: U.S. Census Bureau, Demographic Surveys Division | [dsd.local.employment.dynamics@ce](mailto:dsd.local.employment.dynamics@ce)

# Concentric Circles with Report



U.S. Census Bureau LED OnTheMap

Alternative Report Formats:  
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Concentric Circle Report (Labor Shed)  
**2004 Employment Profile**

Area Employment by Category	3 Mi. Radius		2 Mi. Radius		1 Mi. Radius	
	Count	Share	Count	Share	Count	Share
Total Employers	2,607		1,460		345	
* All Jobs	44,305	100.0%	28,634	100.0%	6,182	100.0%
* All Jobs (Private Sector Only)	41,279	93.2%	26,131	91.3%	4,755	76.9%
* All Primary Jobs (Worker's highest paying job)	40,929	92.4%	26,609	92.9%	5,550	89.8%
* All Primary Jobs (Private Sector Only)	38,181	86.2%	24,349	85.0%	4,313	69.8%

Baseline Count of Jobs	3 Mi. Radius		2 Mi. Radius		1 Mi. Radius	
	Count	Share	Count	Share	Count	Share
All Primary Jobs	40,929	100.0%	26,609	100.0%	5,550	100.0%

Jobs by Worker Age	3 Mi. Radius		2 Mi. Radius		1 Mi. Radius	
	Count	Share	Count	Share	Count	Share
* Age 30 or younger	15,446	37.7%	9,338	35.1%	2,341	42.2%
* Age 31 to 54	30,429	74.3%	20,569	77.3%	3,862	69.6%
* Age 55 or older	5,843	14.3%	3,746	14.1%	872	15.7%

Jobs by Earnings Paid	3 Mi. Radius		2 Mi. Radius		1 Mi. Radius	
	Count	Share	Count	Share	Count	Share
* \$1,200 per month or less	10,303	25.2%	5,741	21.6%	1,636	29.5%
* \$1,201 to \$3,400 per month	18,033	44.1%	11,166	42.0%	2,808	50.6%
* More then \$3,400 per month	23,382	57.1%	16,746	62.9%	2,631	47.4%

Jobs by Industry Type (2-digit NAICS)	3 Mi. Radius		2 Mi. Radius		1 Mi. Radius	
	Count	Share	Count	Share	Count	Share
* Agriculture, Forestry, Fishing and Hunting	1,402	3.4%	384	1.4%	12	0.2%
* Mining	0	0.0%	0	0.0%	0	0.0%
* Utilities	285	0.7%	285	1.1%	285	5.1%

## Keep in Mind...

- LED not quite national in scope.
- LED does not yet include military, self-employed or federal workers.
- Data in *OnTheMap* refreshed annually. *QWI Online* and *Industry Focus* are refreshed quarterly. Not all states supply data at the same rate.



# Contact Us

*General Comments/Suggestions*

[did.local.employment.dynamics@census.gov](mailto:did.local.employment.dynamics@census.gov)

*Local Employment Dynamics*

<http://lehd.did.census.gov>

*Community Economic Development HotReport*

<http://ced.census.gov>

*Join the OnTheMap ListServ*

[lehd-onthemap@lists.census.gov](mailto:lehd-onthemap@lists.census.gov)