OnTheMap Version 3
Sample Labor Shed Analysis
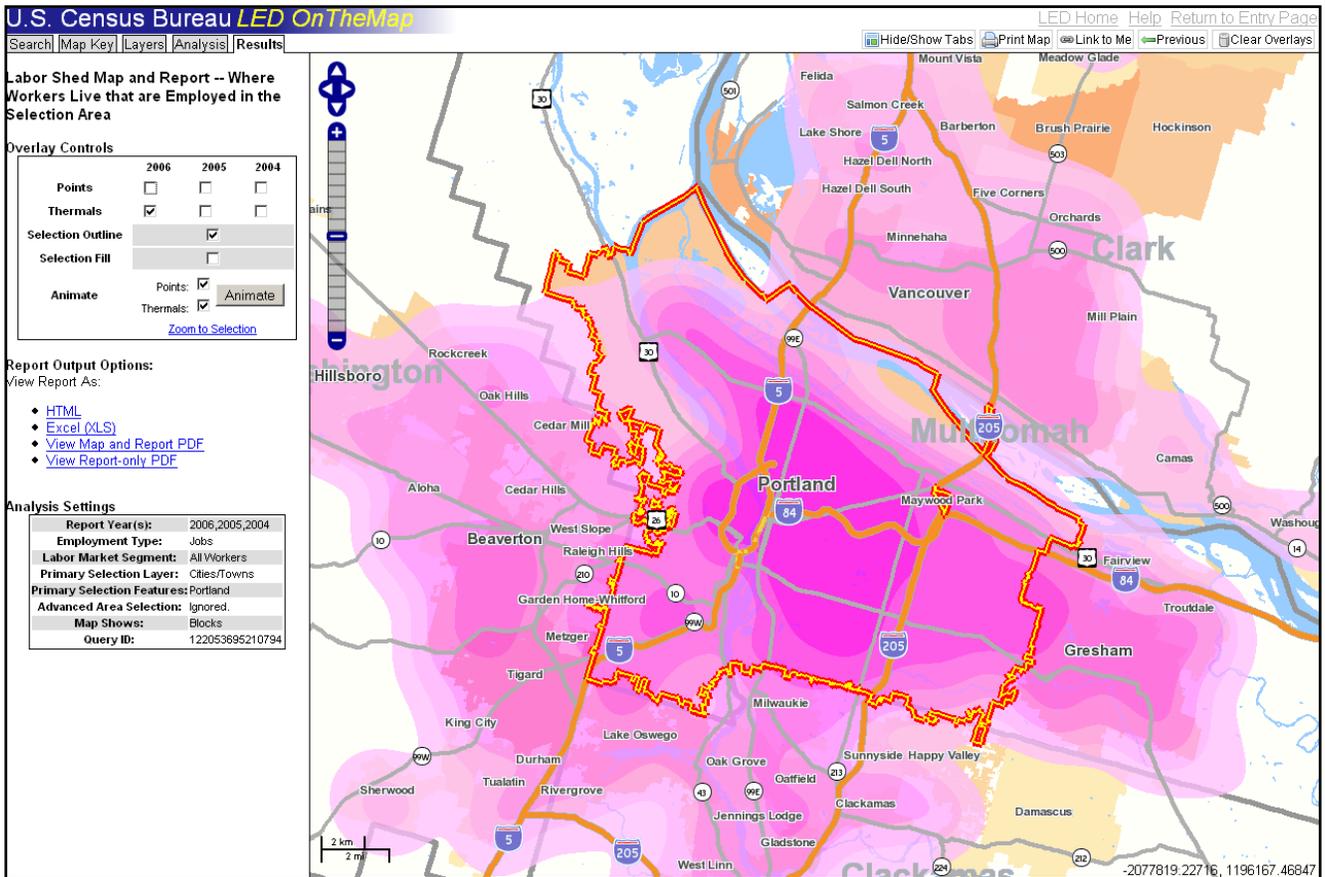
Local Employment Dynamics   **All About Jobs**

Where do workers* employed in the city of Portland, OR live?
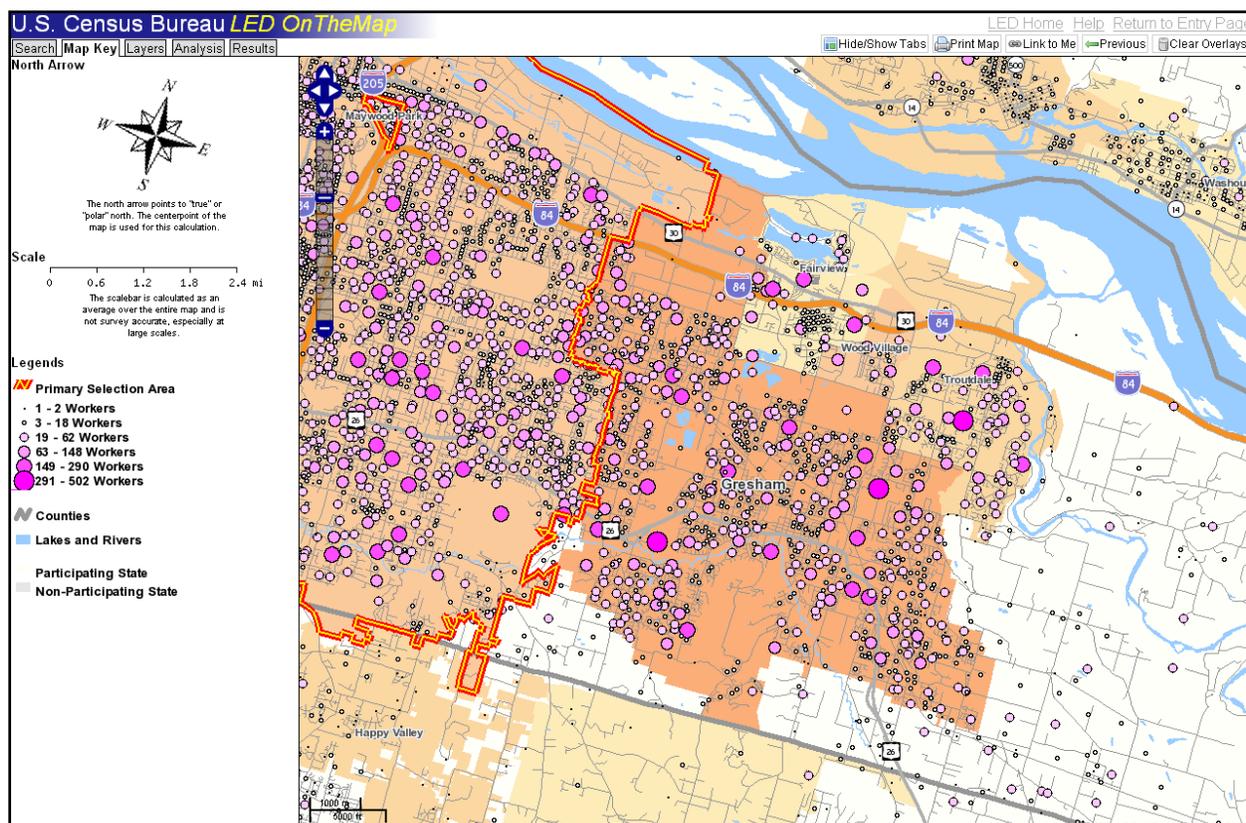* Represented as primary jobs covered under the state unemployment insurance system.

1. Go to *Quick Links* at http://lehd.did.census.gov and choose *OnTheMap Version 3*.

2. Enter *Portland* in the Place Name text box and click *Enter*.

3. Select *Portland, OR* under the Cities/Towns heading in the Control Panel on the left.

4. After the map of Portland appears, click on the *Analysis* tab from the top of the Control Panel on the left.

5. Select *Workplace Area*, 2006, 2005, and 2004 under *Year(s), Primary Jobs*, and *All Workers* from the Data Settings step. Click *Next* near the top of the Control Panel to proceed to the next step.

7. Click on *Layer* from the available Selection Tools. Keep the default layer as "Cities/Towns" and keep the *Point(s)* method selected. Using your mouse, simply left-click once inside the Portland city boundary.

8. The Portland city boundary should be highlighted in blue in the map viewer. Click *Next* near the top of the Control Panel (the selection outline will disappear).

9. The third step, Advanced Area Selection, is used for more advanced analyses. Keep the default *Skip this Step* setting and click *Next*.

10. In the fourth step, called Map Overlay/Report, change the setting to *Labor Shed Analysis*. In the Rollup box, un-check **Counties** and check the box next to **ZIP Code (ZCTA)**. Keep the Map Precision set to *Block*. Near the top of the Control Panel, click *Go!* to generate the map overlay and report.

11. When the application finishes processing, an overlay of points, thermals, and a selection outline will appear on top of the base map in the map viewer. Overlay Controls, Report Output Options, Analysis Settings should appear in the Control Panel on the left as part of the *Results* tab. In Overlay Controls, turn off *Points* for 2006 by clicking in the check box. Using the Scale Ladder Tool in the top left of the map viewer, click the '-' symbol once to zoom out one step.

In the map above, homes of workers employed in Portland, OR in 2006 are represented by the purple thermal density overlay. As you can see, residences are concentrated primarily within the city of Portland. Home locations can also be seen with varying concentrations in the surrounding suburbs and across the Columbia River in the state of Washington.

11. Turn off *Thermals* and turn on *Points* for 2006 by clicking in the check boxes under 2006. Suppose one is interested in workers commuting from residences in Gresham, OR to workplaces in Portland. Click on the *Search* tab in the top left of the Control Panel, and type *Gresham* into the Search text box. Select *Gresham, OR* under the Cities/Towns heading to zoom to the city boundaries. At the top of the Control Panel on the left, click on the *Map Key* tab to display the legend.

Note: Worker ranges in the Map Key may not exactly match the graphic above, as different screen sizes and resolutions will generate slightly different numbers.

In the map above, resident locations are aggregated into Census blocks – each represented by one purple dot. Census blocks with no residents working in Portland will not show a purple dot. Refer to the legend in the *Map Key* tab to see the estimated number of Portland workers living in each block for the selected year.

> 12. Return to the *Results* tab and click on the link *Zoom to Selection* under the Animate button. This will re-center the map viewer on Portland, which is still considered the selection area. Un-check both the *Points* box in the *2006* column and the *Points* box next to the Animate button. Also, check all Thermals boxes (2004, 2005, and 2006) – this will help the loading speed of the animation. Click the **Animate** button to see three longitudinal years of Labor Shed thermal overlays displayed dynamically in the map viewer. Click on the **Stop** button to halt the animation.

> 13. In the middle of the Control Panel (with the *Results* tab active) click on the **HTML** report output option to see the Labor Shed report for Portland, OR. Make sure the pop-up blocker is turned off on your web browser.

In the Labor Shed Report shown below, home locations of Portland workers are shown aggregated into the three rollups selected in step four of the *Analysis* tab, *Cities/Towns*, *States*, and *ZIP Codes (ZCTA)*.

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

Jobs Total	2006		2005		2004	
	Count	Share	Count	Share	Count	Share
Jobs Total	384,972	100.0%	374,546	100.0%	368,114	100.0%

Job counts in Cities/Towns Where Workers Live	2006		2005		2004	
	Count	Share	Count	Share	Count	Share
Portland, Oregon	173,679	45.1%	153,200	40.9%	151,475	41.1%
Gresham, Oregon	20,305	5.3%	17,277	4.6%	16,827	4.6%
Vancouver, Washington	16,631	4.3%	17,873	4.8%	17,219	4.7%
Beaverton, Oregon	14,278	3.7%	15,228	4.1%	14,859	4.0%
Hillsboro, Oregon	7,138	1.9%	7,342	2.0%	7,434	2.0%
Lake Oswego, Oregon	6,502	1.7%	6,822	1.8%	6,817	1.9%
Tigard, Oregon	5,941	1.5%	6,459	1.7%	6,389	1.7%
Aloha, Oregon	5,178	1.3%	5,293	1.4%	5,258	1.4%
Milwaukie, Oregon	4,569	1.2%	4,876	1.3%	4,864	1.3%
Oregon City, Oregon	3,796	1.0%	3,914	1.0%	3,935	1.1%
All Other Locations	126,955	33.0%	136,262	36.4%	133,037	36.1%

Job counts in States Where Workers Live	2006		2005		2004	
	Count	Share	Count	Share	Count	Share
Oregon	342,280	88.9%	329,253	87.9%	325,912	88.5%
Washington	42,201	11.0%	44,700	11.9%	41,661	11.3%
California	184	0.0%	197	0.1%	187	0.1%
Idaho	77	0.0%	127	0.0%	113	0.0%
Montana	36	0.0%	36	0.0%	42	0.0%
All Other Locations	194	0.1%	233	0.1%	199	0.1%

Job counts in ZIP Codes (ZCTA) Where Workers Live	2006		2005		2004	
	Count	Share	Count	Share	Count	Share
97206	13,801	3.6%	12,369	3.3%	12,246	3.3%
97202	12,762	3.3%	11,731	3.1%	11,892	3.2%
97211	11,105	2.9%	10,073	2.7%	9,866	2.7%
97213	10,806	2.8%	10,657	2.8%	10,569	2.9%
97217	10,569	2.7%	9,746	2.6%	9,469	2.6%
97219	10,404	2.7%	8,338	2.2%	8,430	2.3%
97214	9,958	2.6%	10,052	2.7%	9,885	2.7%
97230	8,957	2.3%	7,474	2.0%	7,362	2.0%
97220	8,756	2.3%	7,927	2.1%	7,775	2.1%
97212	8,658	2.2%	8,891	2.4%	8,788	2.4%
All Other Locations	279,196	72.5%	277,288	74.0%	271,832	73.8%

Report Settings

Report Year(s):	2006,2005,2004
Job Type:	Jobs
Labor Market Segment:	All Workers
Primary Selection Layer:	Cities/Towns
Primary Selection Features:	Portland
Advanced Area Selection:	Ignored.
Map Shows:	Blocks
Query ID:	122053695210794

14. To access report data in other forms, click on the other available ***Report Output Options*** located in the middle of the ***Results*** tab.

15. For a companion analysis, follow the steps in a [Sample Area Profile Analysis](#) to see a map and report showing the distribution and characteristics of workers employed in Portland, OR.