# Neighborhood, Community, and Small Area Data Analysis

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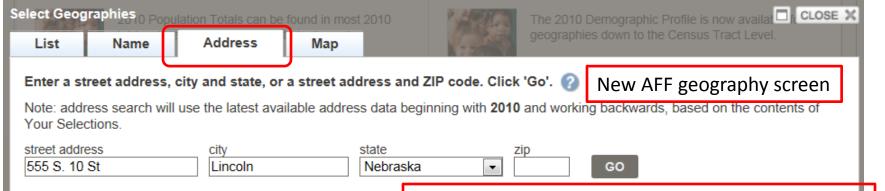
www.facebook.com/unocpar



### **Small Area Data Analysis:**

### The Importance of Various Census Geographies

- You MUST understand small area geographies and the data available for each if you're going to perform small area data analysis
- Census tools on American Factfinder (AFF) can help you identify and understand local geography
- The following screenshots are an example of the process to take to learn local geography
  - Use these screenshots when you're back in your office working on a project (always feel free to contact us when necessary as well)

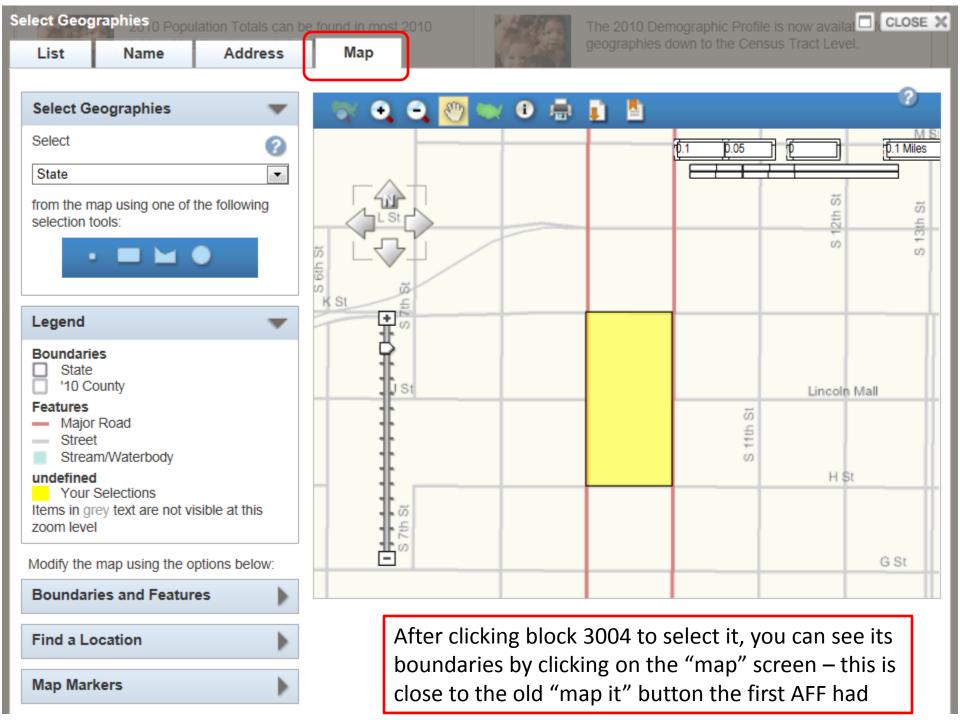


Geographies containing 555 S 10th St, LINCOLN, NE, 68508: Select geographies to add to Your Selections

Enter address and click "Go" – major geographic units display; we often start with a "building block"

### Geography Results:

Geography Name	Geography Type	Geography Code
Nebraska	State	040
Lancaster County, Nebraska	County	050
Lincoln city, Lancaster County, Nebraska	County Subdivision	060
Block 3004, Block Group 3, Census Tract 20.02, Lancaster County, Nebraska	Block	100
Census Tract 20.02, Lancaster County, Nebraska	Census Tract	140
Block Group 3, Census Tract 20.02, Lancaster County, Nebraska	Block Group within Census Tract	150
Lincoln city, Nebraska	Place within State	160
Lincoln, NE Metro Area	Metro Statistical Area/Micro Statistical Area	310
Congressional District 1 (111th Congress), Nebraska	Congressional District	500
State Senate District 27 (2010), Nebraska	State Legislative District (Upper)	610
No Lower Chamber Districts (2010), Nebraska	State Legislative District (Lower)	620
2E-2 Precinct, Lancaster County, Nebraska	Voting District/Remainder	700
ZCTA5 68508	5-Digit ZCTA	860
Lincoln Public Schools, Nebraska	School District (Unified)/Remainder	970
Lincoln city, Nebraska	Economic Place	E60



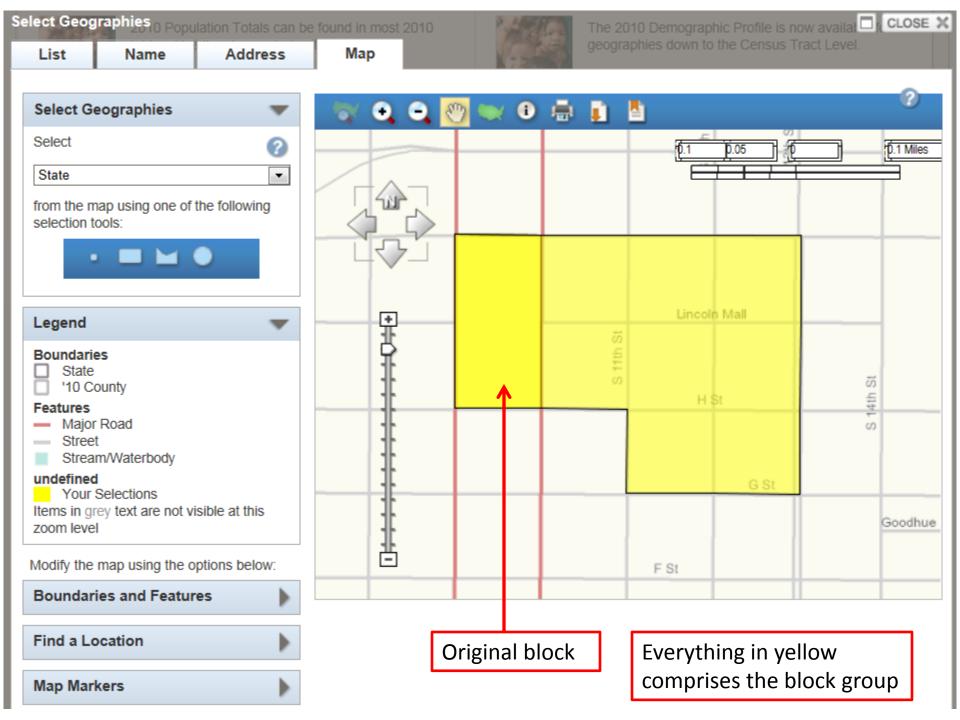


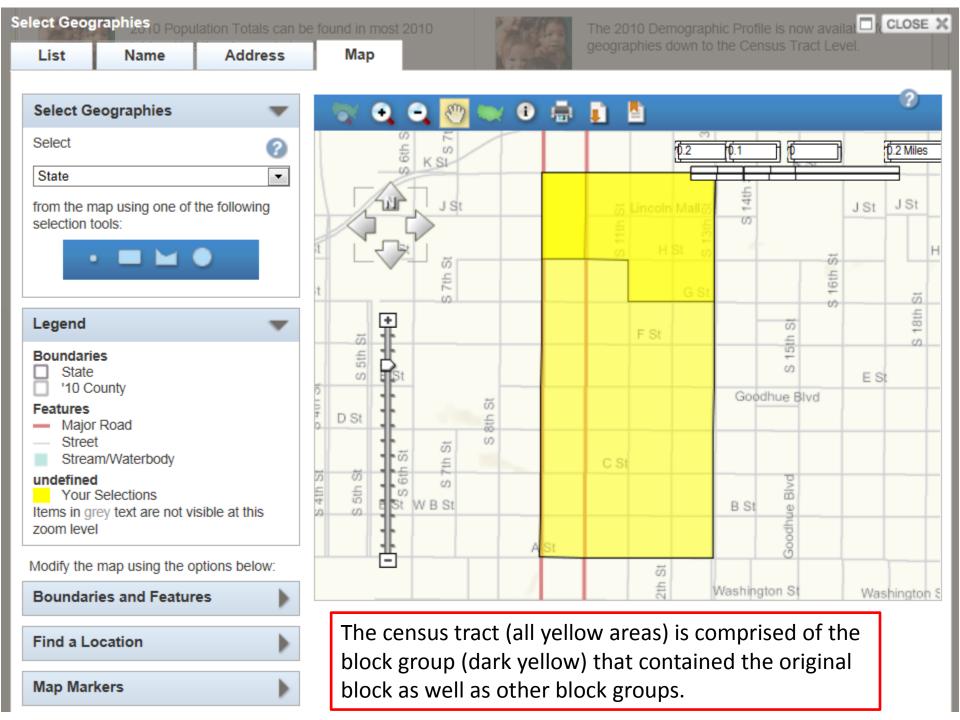
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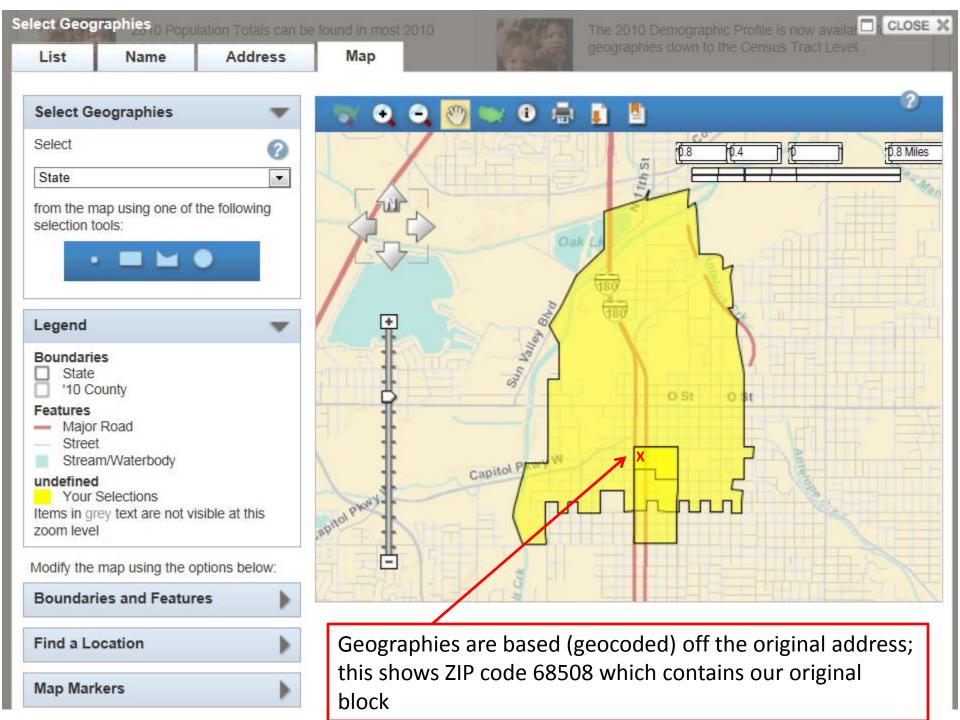
Now let's see the boundaries of the next larger geography – a "group of blocks" (block group)

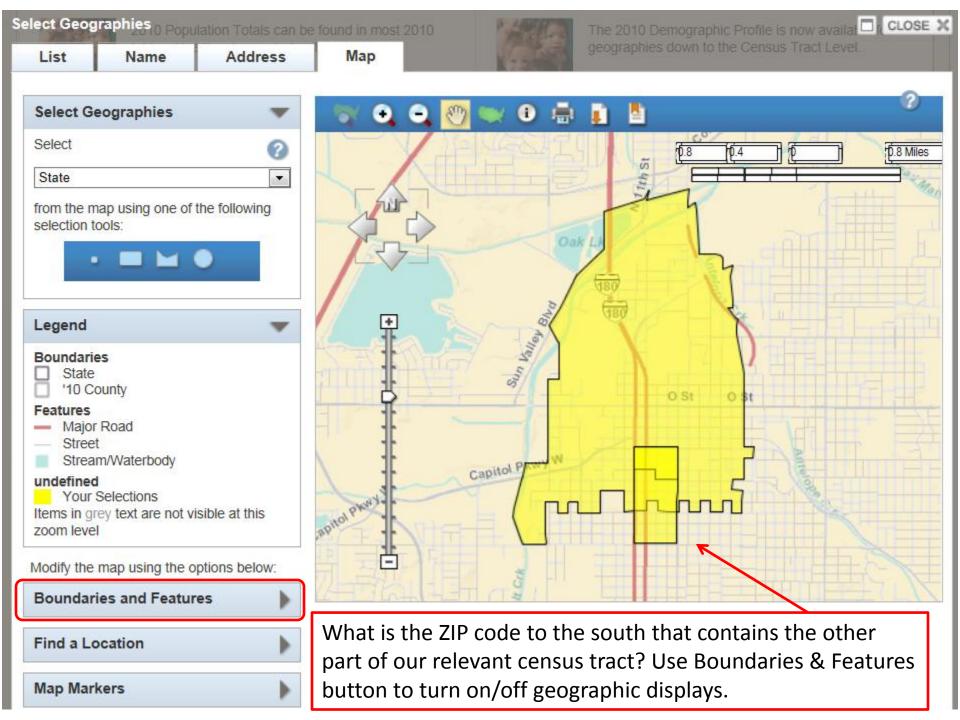
#### **Geography Results:**

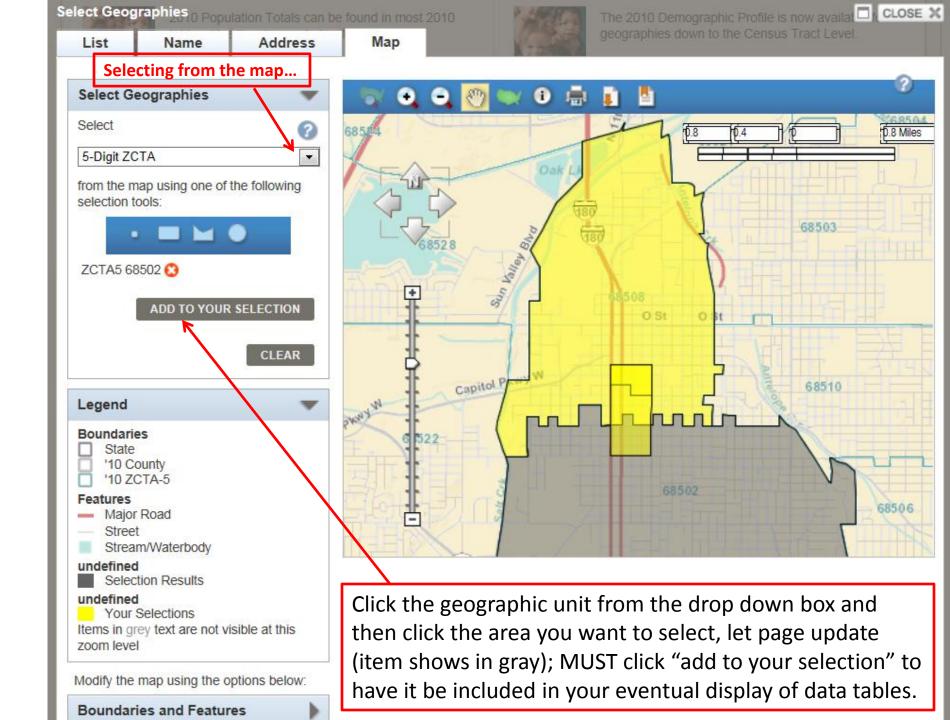
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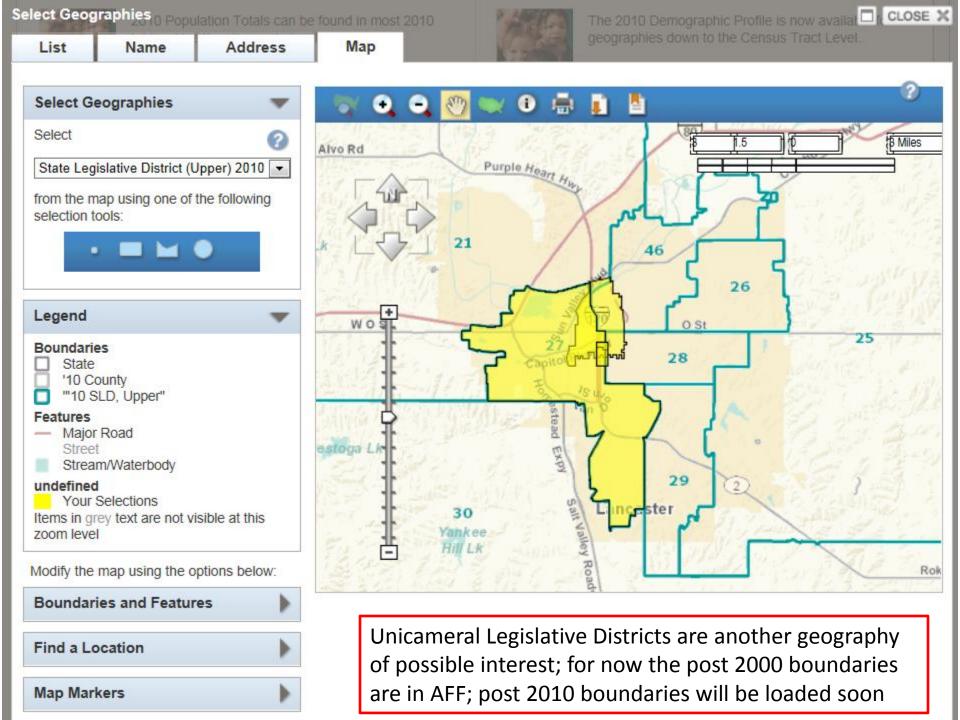












### Relationship between Geography and Datafiles

- All geographies, even blocks, have decennial census (short form/100%) data available
  - Compare SF 1 from 2000 to SF 1 from 2010
- Block groups are the smallest geography to have long form/sample data
  - Blocks groups are only to be used as "building blocks" for larger custom geographies in the ACS
  - Ancestry and unmarried partner data are suppressed for BGs
- Census Tracts are the smallest geographies to have all detailed tables released
  - Compare SF 3 from 2000 to ACS data products for socio-economic variables
- PUMAs (100,000+ person units) are important in the ACS as the smallest unit with statewide coverage to have annual data released.
  - PUMAs are your best proxy for "current" data rather than 5-yr aggregates
  - Not all 2000 data products were summarized for 2000 based PUMAs
  - Geographic boundaries of PUMAs changed slightly from 2000 to 2010 in NE

### Major Tract Splits and Changes: 2000 vs. 2010

Relationsh	ip between	Douglas and Lancaster County Ce	nsus Tracts	: 2000 vers	sus 2010
Douglas C	ounty				
	2000 Total Population	Split into for 2010	2010 Total Population	2000-10 Change	2000-10 % Change
73.07	3,337	73.17 and 73.18	7,925	4,588	137.5
73.08	1,812	73.14, 73.15, and 73.16	9,175	7,363	406.3
74.30	3,326	74.69 and 74.70	8,813	5,487	165.0
74.37	5,291	74.71 and 74.72	8,081	2,790	52.7
75.07	2,419	75.11 and 75.12	10,316	7,897	326.5
75.10	2,253	75.13, 75.14, 75.15, 75.16, & 75.17	19,087	16,834	747.2
Lancaster	County				
	2000 Total Population	Split into for 2010	2010 Total Population	2000-10 Change	2000-10 % Change
10.00	8,033	10.01, 10.02, and 10.03	7,844	-189	-2.4
11.00	7,286	11.01 and 11.02	8,011	725	10.0
20.00	5,554	20.01 and 20.02	5,266	-288	-5.2
31.01	7,805	31.03 and 31.04	7,508	-297	-3.8
32.01	246	9832 (renamed)	165	-81	-32.9
33.00	4,404	33.01 and 33.02	7,949	3,545	80.5
34.00	7,479	34.01 and 34.02	12,021	4,542	60.7
36.06	3,057	36.07, 36.08, and 36.09	7,064	4,007	131.1
37.10	4,169	37.15 and 37.16	7,605	3,436	82.4
37.11	2,143	37.13 and 37.14	4,539	2,396	111.8
37.12	4,466	37.17, 37.18, 37.19, and 37.20	9,756	5,290	118.5
102.00	4,190	102.01 and 102.02	7,742	3,552	84.8

### Data Available at the ZIP Code Level

### Population and Housing

- 2010 and 2000 Censuses
- 2007-2011 American Community Survey (to be released Dec. 2012)
   (ZIP Code tabulation areas (ZCTAs) are statistical geographic entities that approximate the delivery areas for U.S. Postal Service five-digit and three-digit ZIP Codes. They are made up of census blocks.)

#### Economic

- Economic Censuses
- County Business Patterns(CBP)/ZIP Code Business Patterns(ZBP)
- Local Employment Dynamics
   (ZIP Codes in the Economic Census and ZBP are those reported by the businesses or on administrative address lists.)

## Accessing ZIP Code Data

- 2000 and 2010 Censuses of Population and Housing and the 2002 and 2007 Economic Censuses currently are available on American FactFinder. When released, the 2007-2011 ACS also will be available on FactFinder.
- A small selection of **ZIP Code Business Patterns** data also are available on FactFinder, but detailed information is available only at the CBP/ZBP site.
- Local Employment Dynamic information is available only at the LED site.

## County Business Patterns Home Page



#### News

Census Bureau Reports U.S. Employer Firms Show Declines in Number of Establishments and Employees

2011 ZBP is scheduled

for release July 2013.

Census Bureau Blog

More News Releases »

#### **Data Visualizations**



Selected County Business Patterns Maps

Selected Island Areas Maps

Measuring America: County Business Patterns & Demographics Interactive Map

#### Related Sites

2007 Economic Census Business & Industry Economic Indicators

the week of March 12, first quarter payroll, and annual payroll. This data is useful for studying the economic activity of small areas; analyzing economic changes over time; and as a benchmark for other statistical series, surveys, and databases between economic censuses. Businesses use the data for analyzing market potential, measuring the effectiveness of sales and advertising programs, setting sales quotas, and developing budgets. Government agencies use the data for administration and planning.

ZIP Code Business Patterns data are available shortly after the release of County Business Patterns. It provides the number of establishments by employment-size classes by detailed industry in the U.S.

These two programs cover most of the country's economic activity based on establishments, with a few noted exclusions. For more information on the coverage and methodology of CBP, see How the Data are Collected. For information on businesses without paid employees, see Nonemployer Statistics.

Data for 2010 were released in June 2012. For help accessing the data via hypertext tables or American FactFinder, please refer to the Data User Guide [PDF].

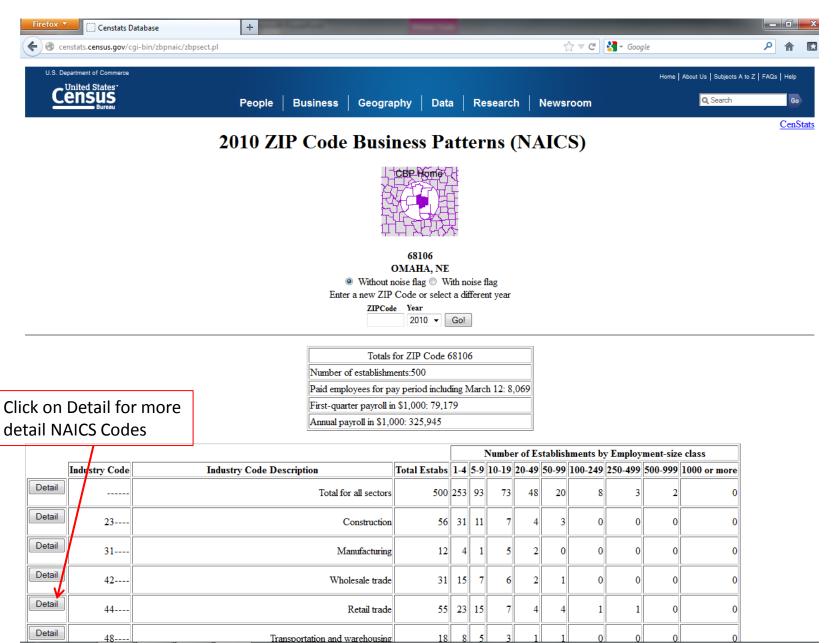
For frequently asked questions (FAQs), visit Ask, Census, Gov or click the FAQs tab at the top of the screen, Enter 'CBP' or 'County Business Patterns' into the search box to narrow the results



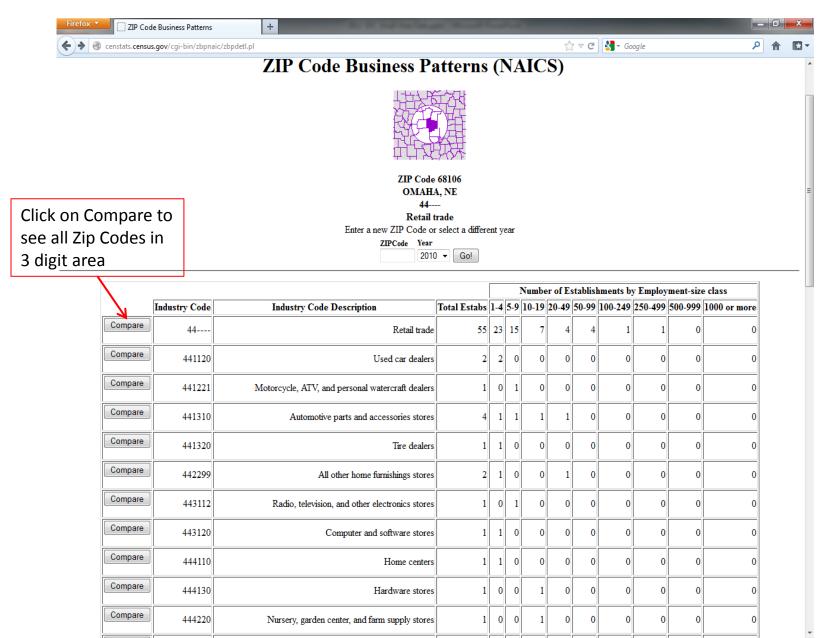
#### Data in other formats for manipulation and analysis

- Extract and manipulate data in the New American FactFinder.
- Download the data in Comma-Separated Value (csv) format starting with year 1986.
- See the discussion of Historical CBP Data for earlier years, including data for selected years on CD-ROM.

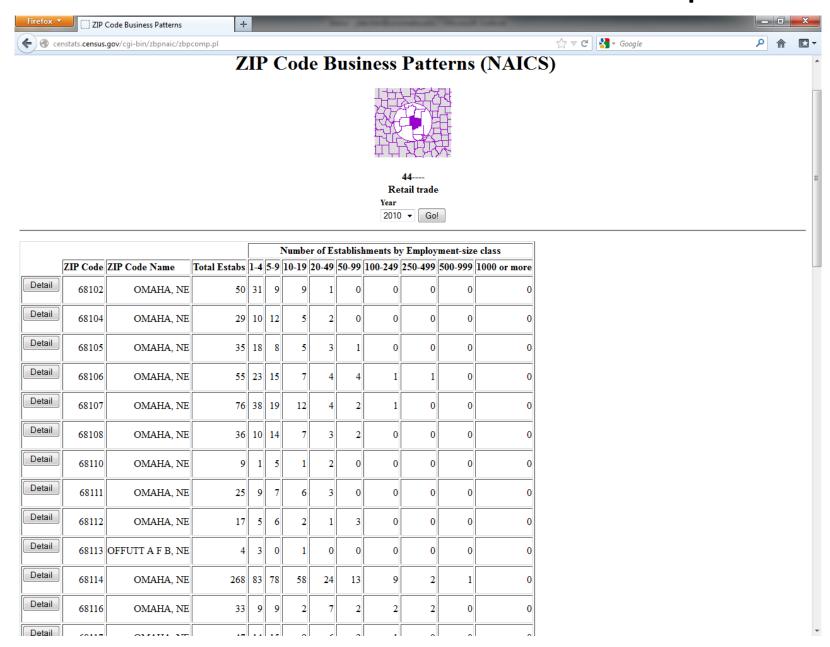
### **ZIP Code Business Patterns Data**



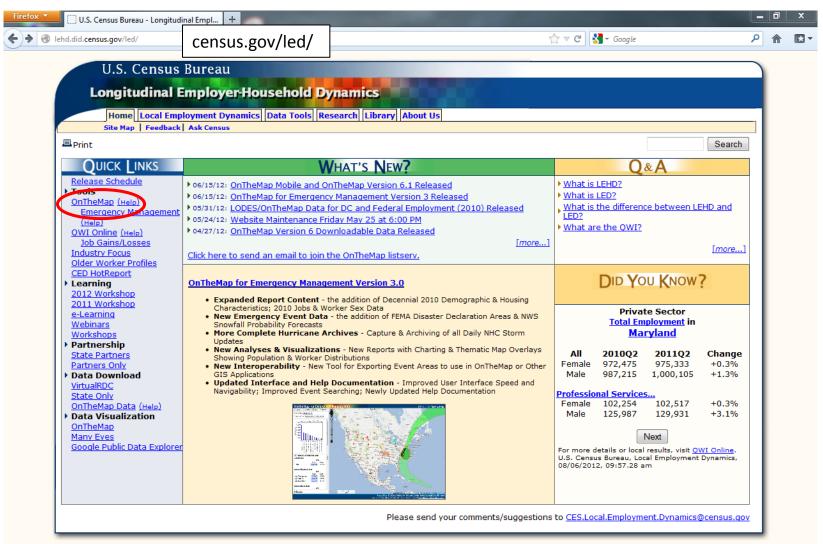
### **ZIP Code Business Patterns Detail**



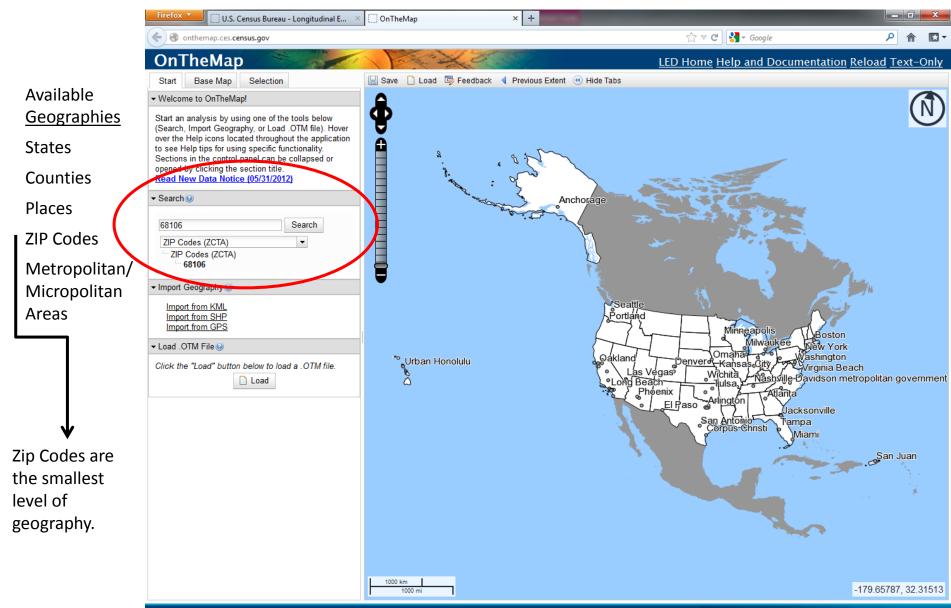
# **ZIP Code Business Patterns Compare**



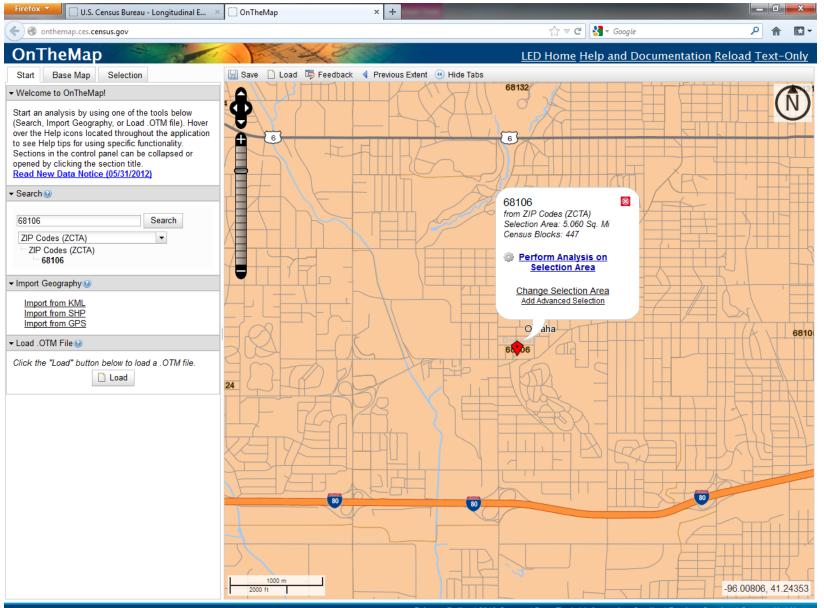
# Local Employment Dynamics--OnTheMap



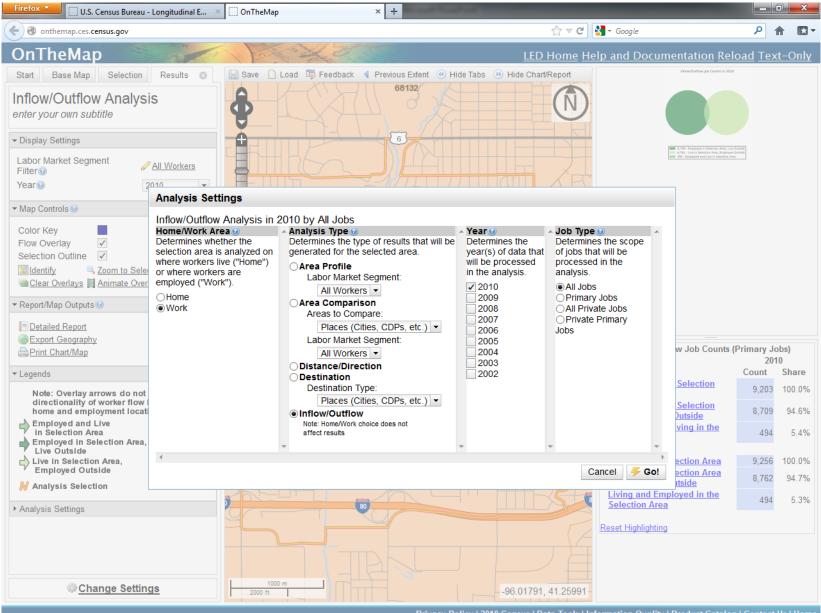
# Selecting Geography



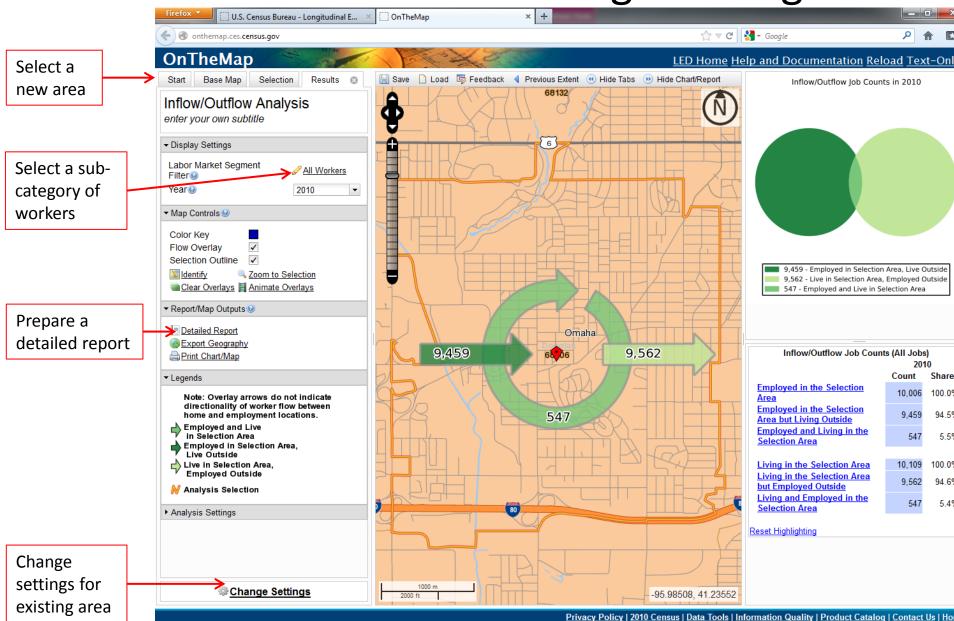
# **Perform Analysis**



# Analysis Settings—Inflow/Outflow

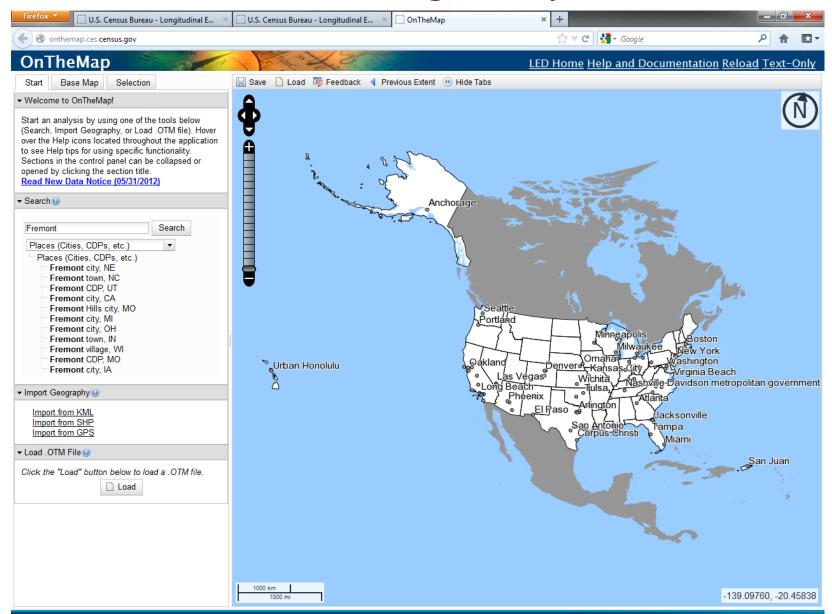


Review Results and Change Settings

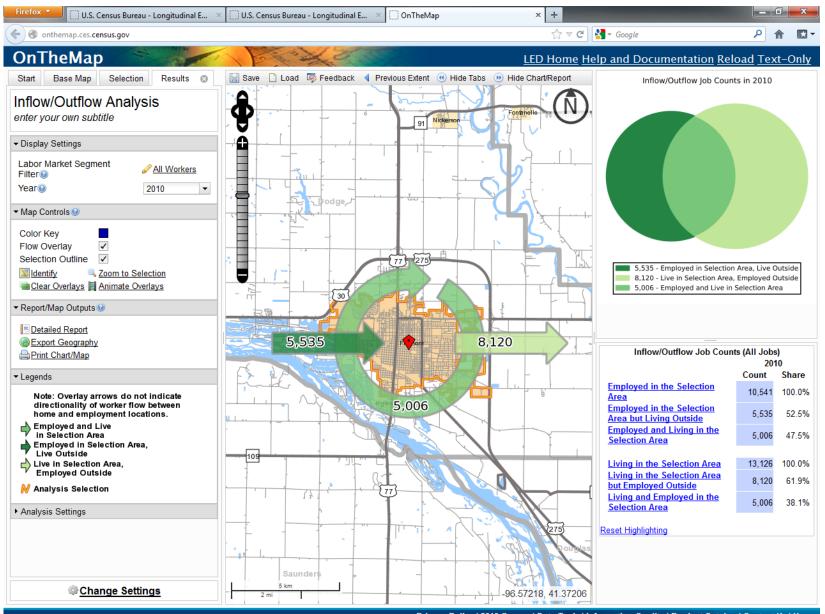


Source: U.S.Census Bureau, Center for Economic Studies | e-mail: CES.OnTheMap.Feedback@census.c

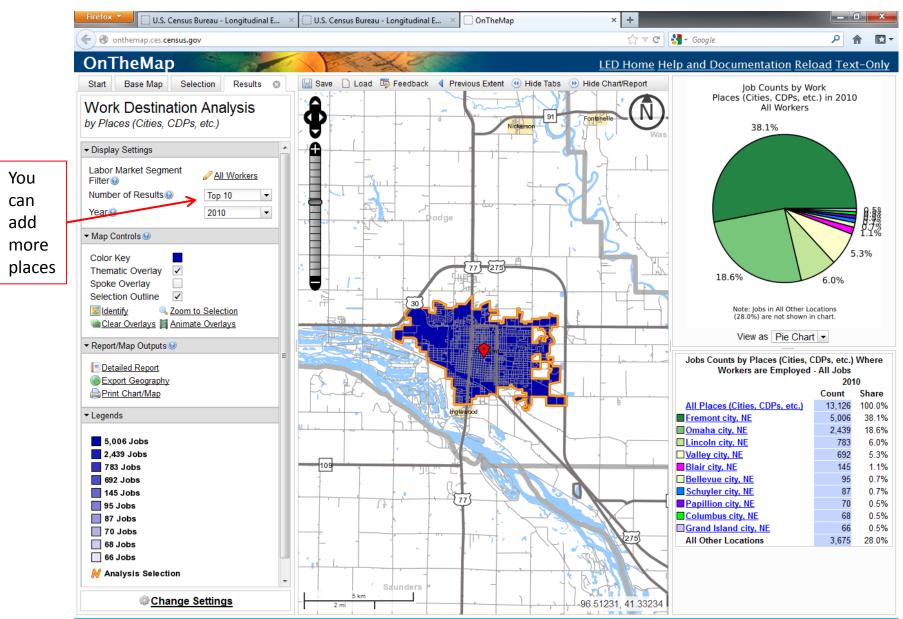
# Selecting a City



# Results—Inflow/Outflow



### Results—Places Where Fremont Residents Work



### Other Data Sources

Quick Facts--available for cities above 5,000

http://quickfacts.census.gov/qfd/index.html

 Narrative Profiles—currently available for cities above 20,000 but is an example of how to present your information

http://factfinder2.census.gov/faces/nav/jsf/pages/index.xhtml