

# Minnesota Air, Water, and Waste Environmental Conf.

Air Modeling – Training (8am-noon)  
Sheraton Bloomington Hotel, Atrium 7

February 14, 2006  
Chris Nelson & Dennis Becker  
Minnesota Pollution Control Agency

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# Air Modeling (98 Slides)

- AERMOD Status and MPCA “Draft” Data
- AERMOD Urban Modeling Developments
  - Metropolitan Statistical Areas and Micropolitan Statistical Areas
- New MPCA NAAQS/MAAQs Feature: FAR Data
- Break - slide 40
- Rochester and Olmsted County SIP Work
  - RPU-Silver Lake Plant Sensitivity Analyses
- Break - slide 75
- AERA/RASS with supplemental Post-RASS Option
- Fugitive PM<sub>10</sub> emissions: roads, cooling towers, etc.
- VISCREEN (Nearby areas v. Class I areas)
- Future Possibilities

# AERMOD – Urban Applications

## ■ “AERMOD Implementation Guide”

### ■ “Urban Determination”

- “Selecting population data for AERMOD’s urban mode”
- See Metropolitan Statistical Area (MSA) web sites
  - See next slide for examples

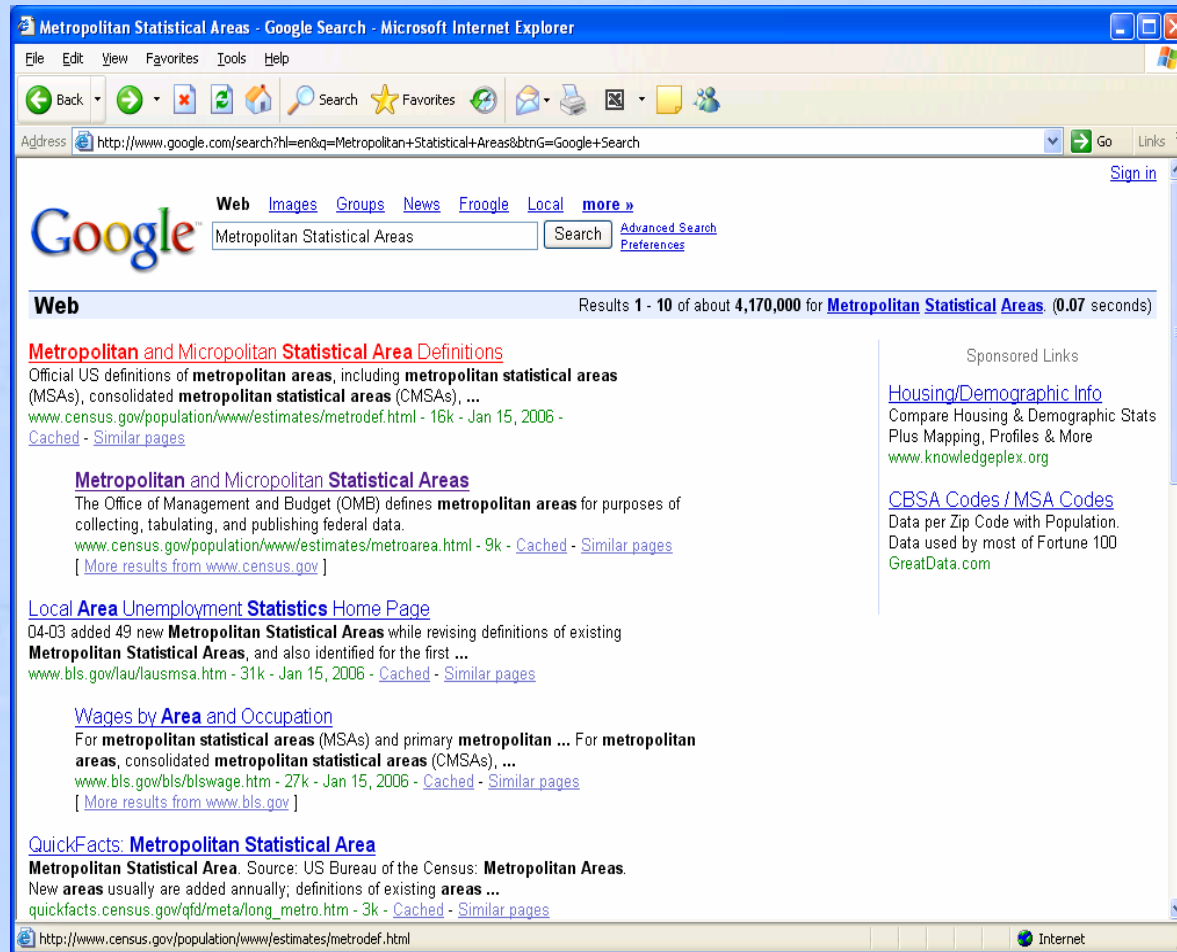
## ■ U. S. Census Bureau Web site:

- <http://www.census.gov/population/www/estimates/metrodef.html>

### ■ “OMB Bulletin No. 05-02”

- Metropolitan Statistical Areas (MSA)
  - Also includes Micropolitan Statistical Areas

# Some MSA Web Sites





# AERMOD - Urban Applications

## ■ “AERMOD Implementation Guide”

### ■ “Urban Determination”

- “Selecting population data for AERMOD’s urban mode”
- See Metropolitan Statistical Area (MSA) web sites

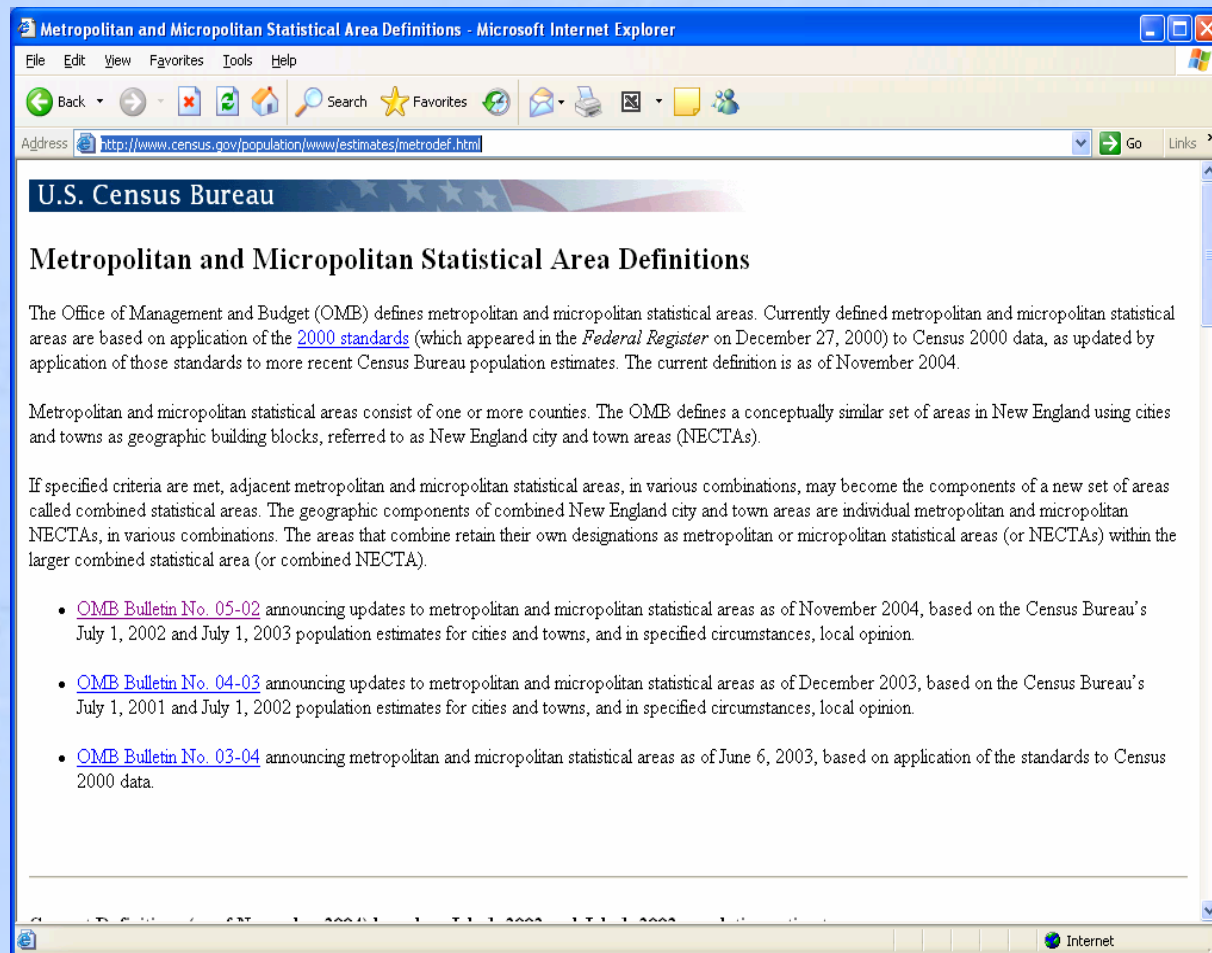
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# MSA Definitions & Information



# OMB Bulletin No. 05-02

Microsoft Internet Explorer window titled "Bulletin 05-02, Update of Statistical Area Definitions and Guidance on Their Uses". The address bar shows <http://www.whitehouse.gov/omb/bulletins/fy05/b05-02.html>.

The page header features the Office of Management and Budget logo and the text "Office of Management and Budget" and "The Executive Office of the President". Navigation links include "OMB Home" and "White House Home". A site search bar and the date "Tuesday, January 17, 2006" are also present.

The main content area is titled "EXECUTIVE OFFICE OF THE PRESIDENT" and "OFFICE OF MANAGEMENT AND BUDGET". It includes a date stamp "February 22, 2005" and the bulletin title "OMB BULLETIN NO. 05-02". The subject is "Update of Statistical Area Definitions and Guidance on Their Uses".

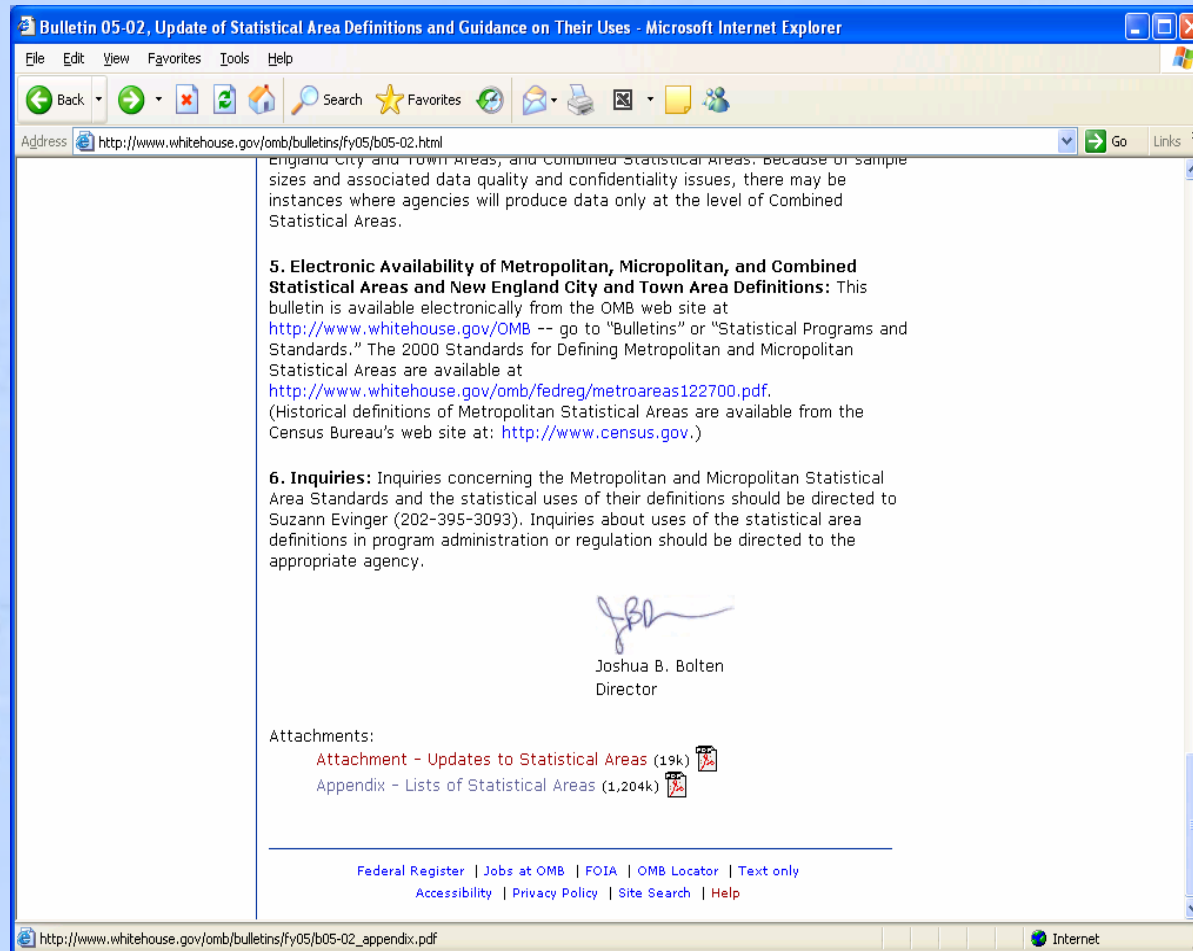
The bulletin text states: "TO THE HEADS OF EXECUTIVE DEPARTMENTS AND ESTABLISHMENTS" and "SUBJECT: Update of Statistical Area Definitions and Guidance on Their Uses".

**1. Purpose:** This bulletin updates and supersedes OMB Bulletin No. 04-03, issued on February 18, 2004. The [attachment](#) to the bulletin provides the detailed information on the update of statistical areas since that time. These changes to the statistical areas take effect immediately. The bulletin also provides guidance to Federal agencies that use the definitions of these statistical areas for program administrative and fund allocation purposes.

**2. Background:** Pursuant to 44 U.S.C. 3504(e)(3) and 31 U.S.C. 1104(d) and Executive Order No. 10253 (June 11, 1951), the Office of Management and Budget (OMB) defines Metropolitan Statistical Areas. Metropolitan Statistical

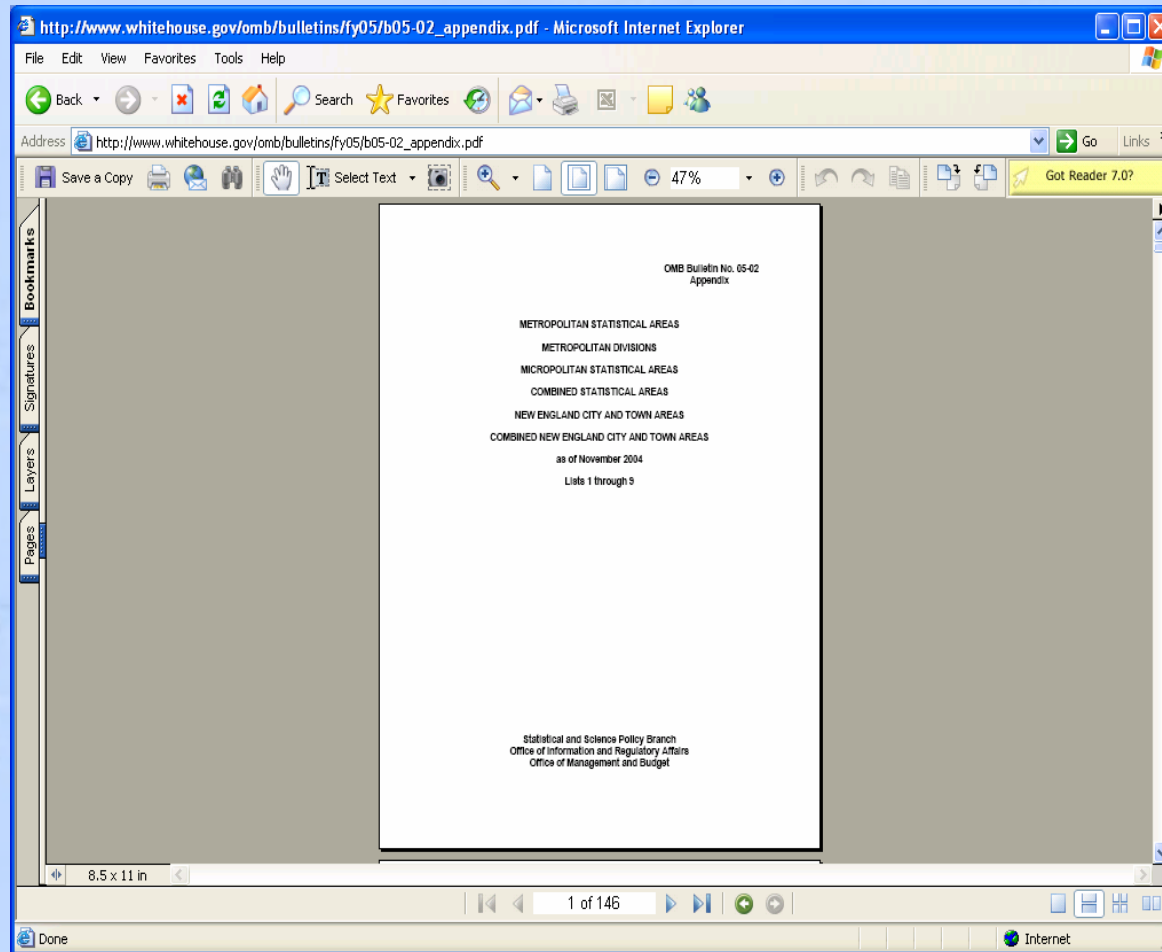
The left sidebar contains navigation links for "About OMB", "President's Budget", "Federal Management", and "Office of Information and Regulatory Affairs".

# OMB Bulletin No. 05-02 (Appendix)

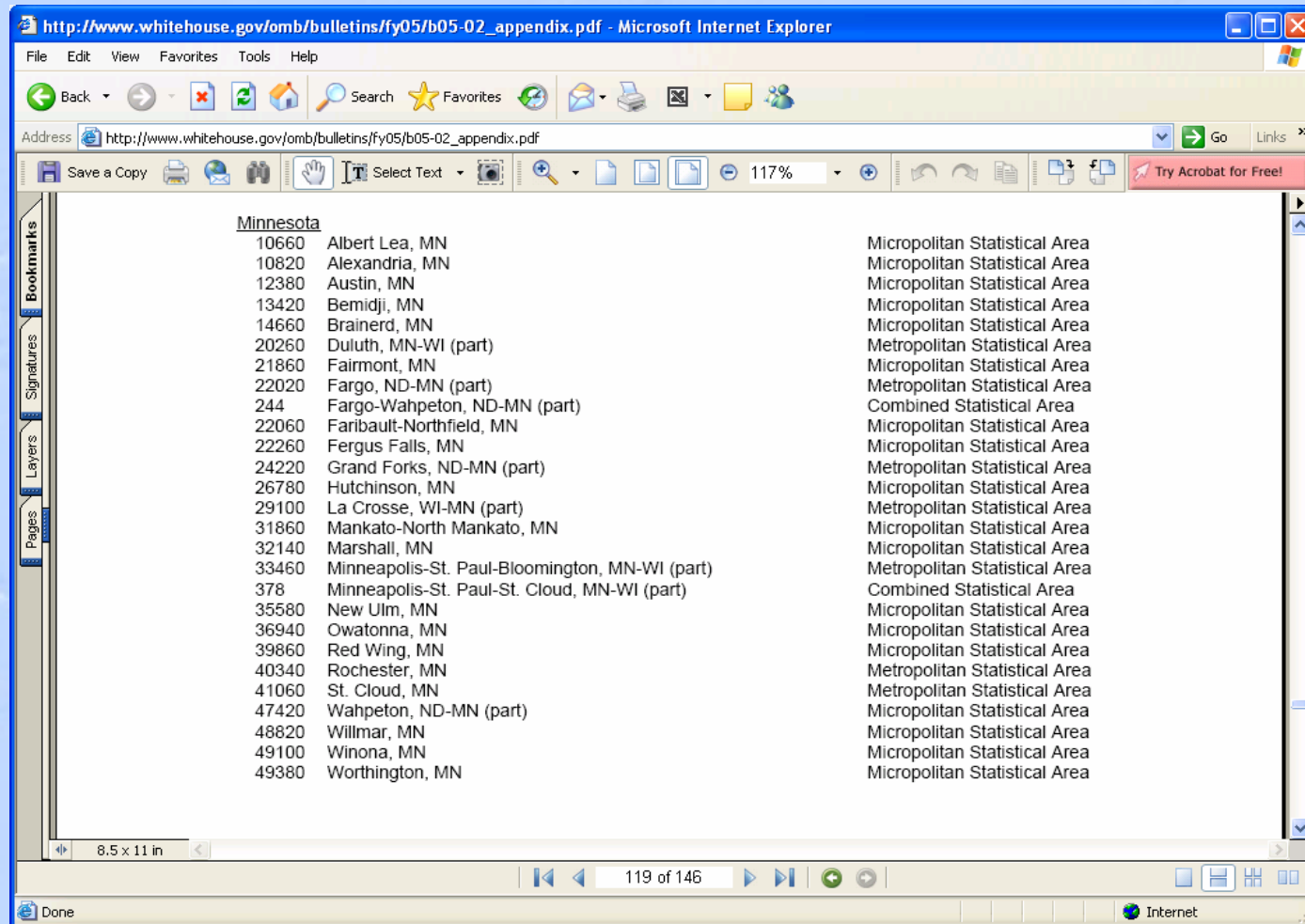




# Appendix – List of Statistical Areas



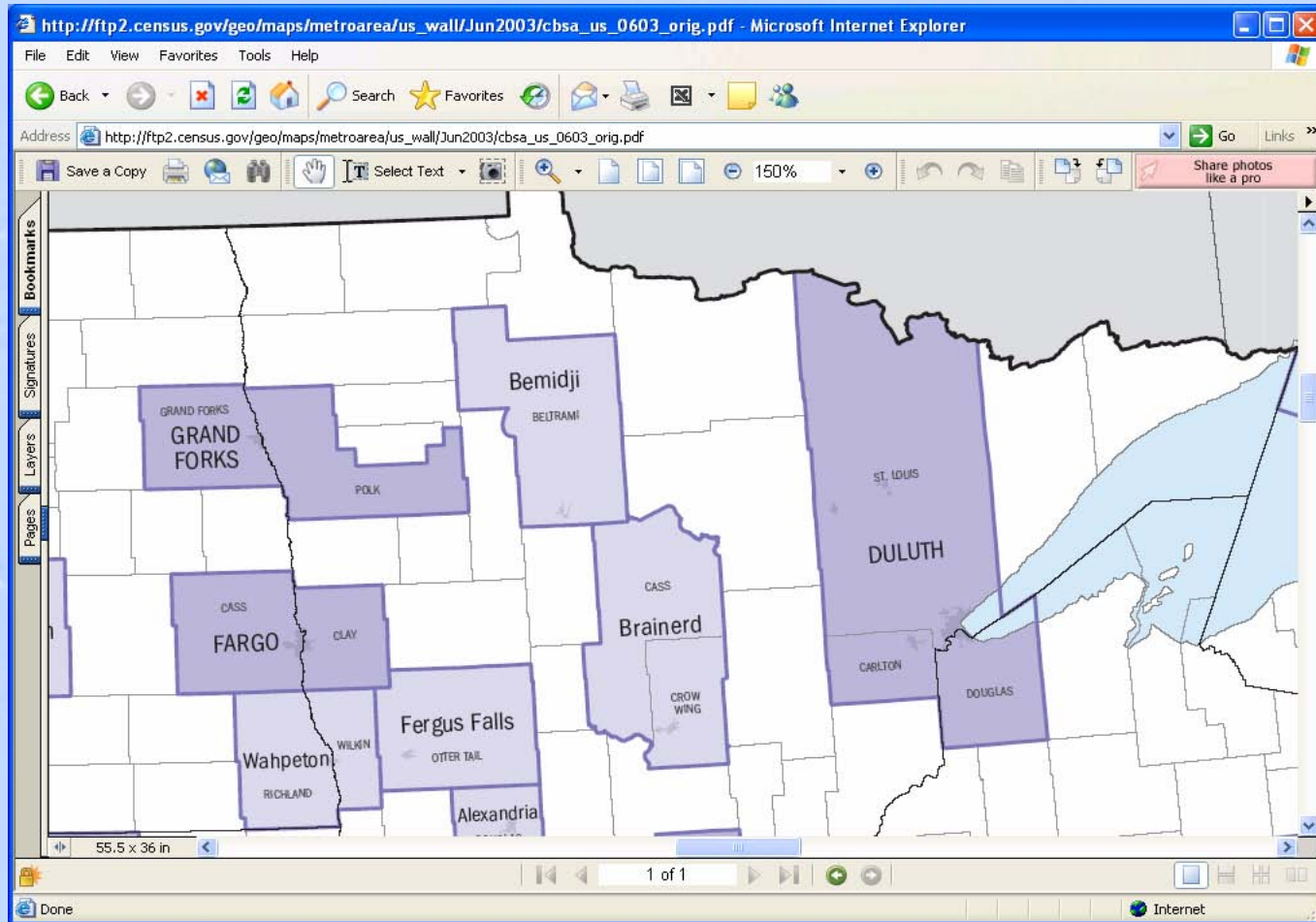
# Metropolitan Statistical Areas and Micropolitan Statistical Areas in Minnesota







# Metropolitan Statistical Areas and Micropolitan Statistical Areas in Northern MN







# Urban Guidance – Stay Tuned

- More Urban Guidance (Pending)
- Just know this out there (for now)
- Questions?