

Future Modeling Platform Base Year Determination

APPENDIX D ANNUAL AND SEASONAL PERCENTAGE OF DAYS OVER THE ANNUAL 12.0 $\mu\text{g}/\text{m}^3$ PM_{2.5} NAAQS MAPS

October 9, 2013 FINAL

The following maps in this Appendix show the percentage of days the 24-hour PM_{2.5} concentration at a site exceeded the 12.0 µg/m³ Annual PM_{2.5} NAAQS annually and by season. Only sites that have a 2010-12 Annual PM_{2.5} Design Value greater than the current 12.0µg/m³ Annual PM_{2.5} NAAQS are shown on the maps:

- Figures D-1 to D-6 – Annual percentages
- Figures D-7 to D-12 – Winter (January, February and December) percentages
- Figures D-13 to D-18 – Spring (March – May) percentages
- Figures D-19 to D-24 – Summer (June – August) percentages
- Figures D-25 to D-30 – Fall/Autumn (September – November) percentages

FIGURE D-1:

Violating Counties PM 2.5 2007 Annual Percent of Days > 12.0 Micrograms per meter cubed

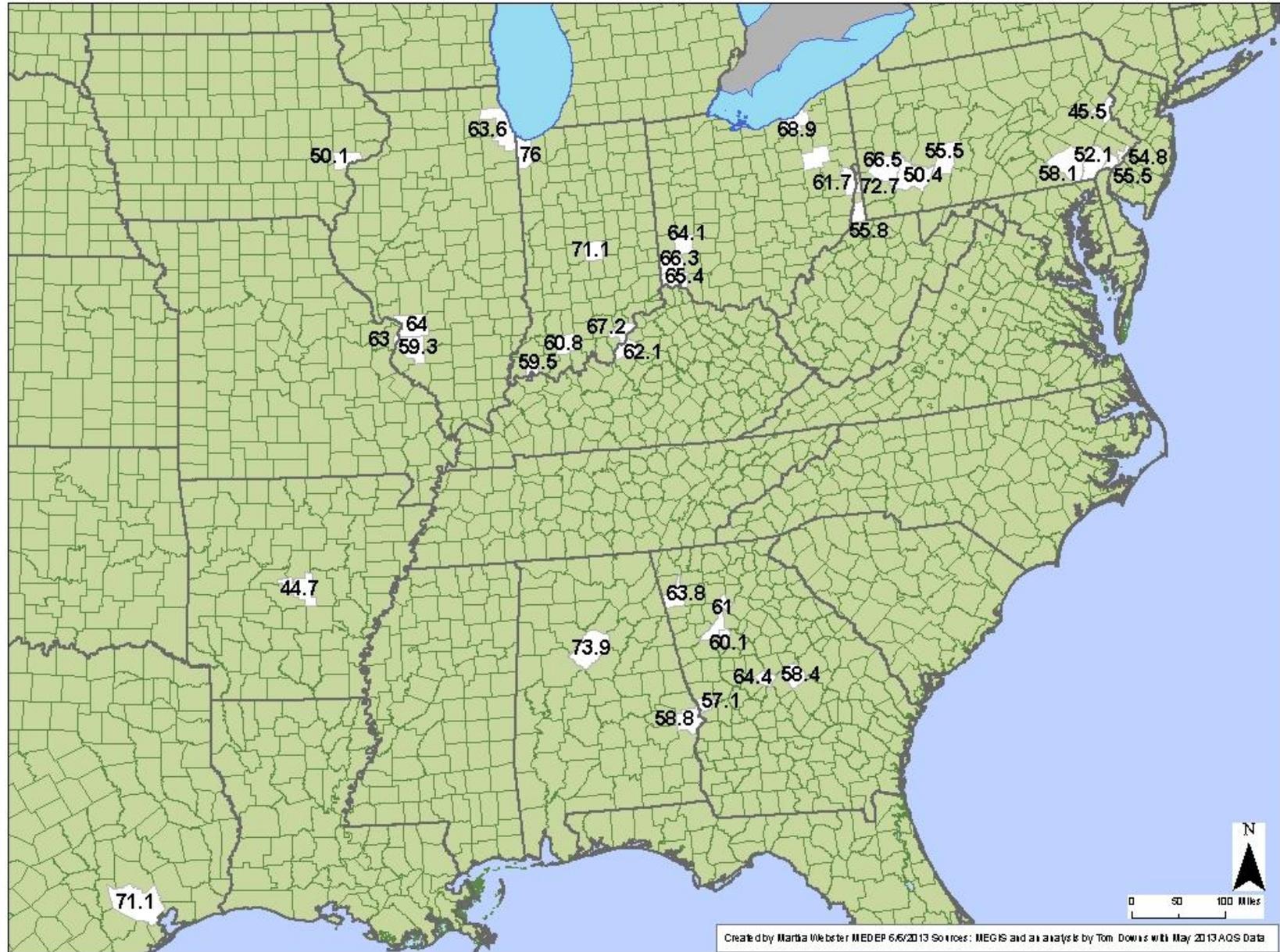


FIGURE D-2:
Violating Counties PM 2.5 2008 Annual Percent of Days > 12.0 Micrograms per meter cubed

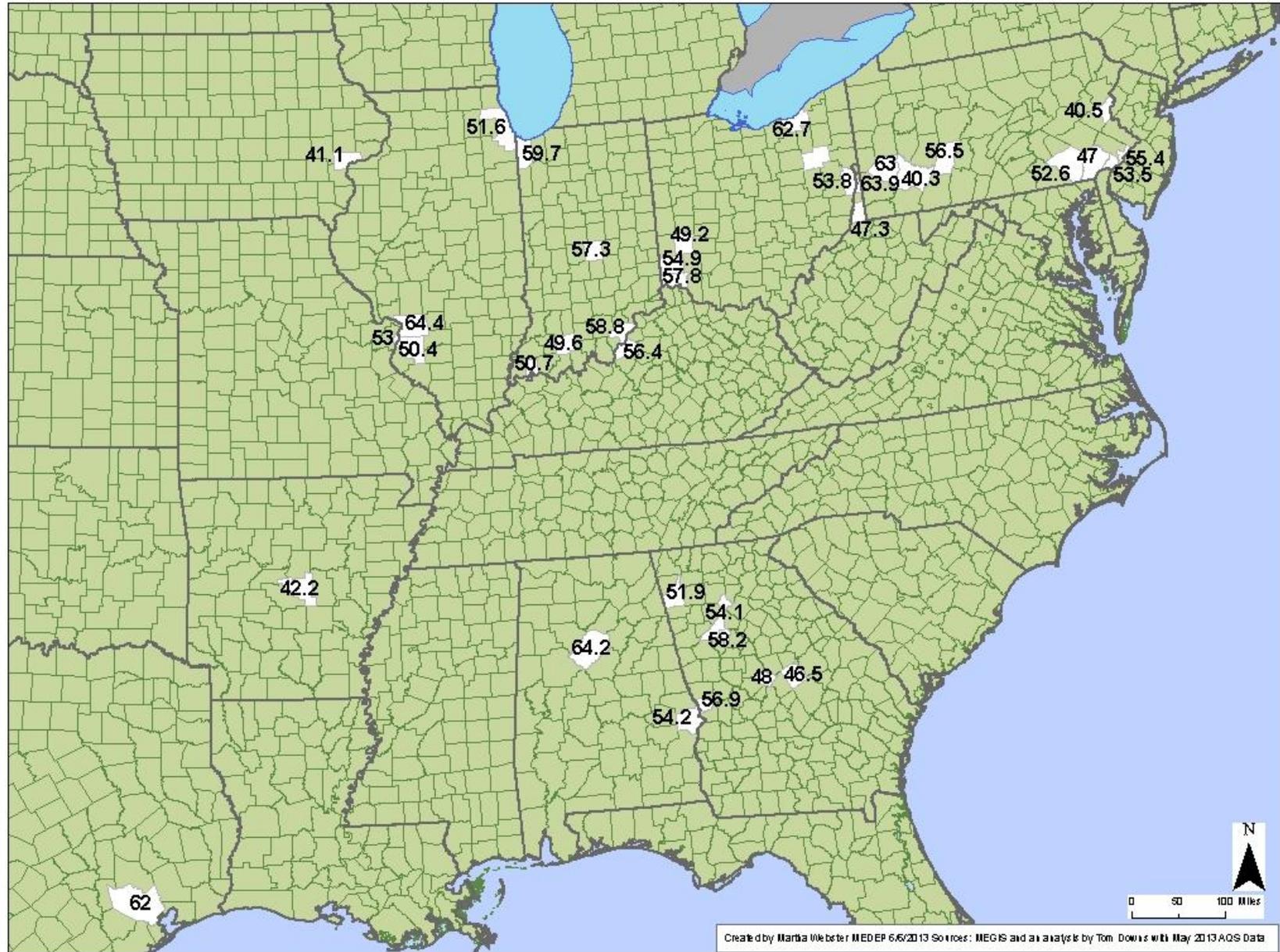


FIGURE D-3:

Violating Counties PM 2.5 2009 Annual Percent of Days > 12.0 Micrograms per meter cubed

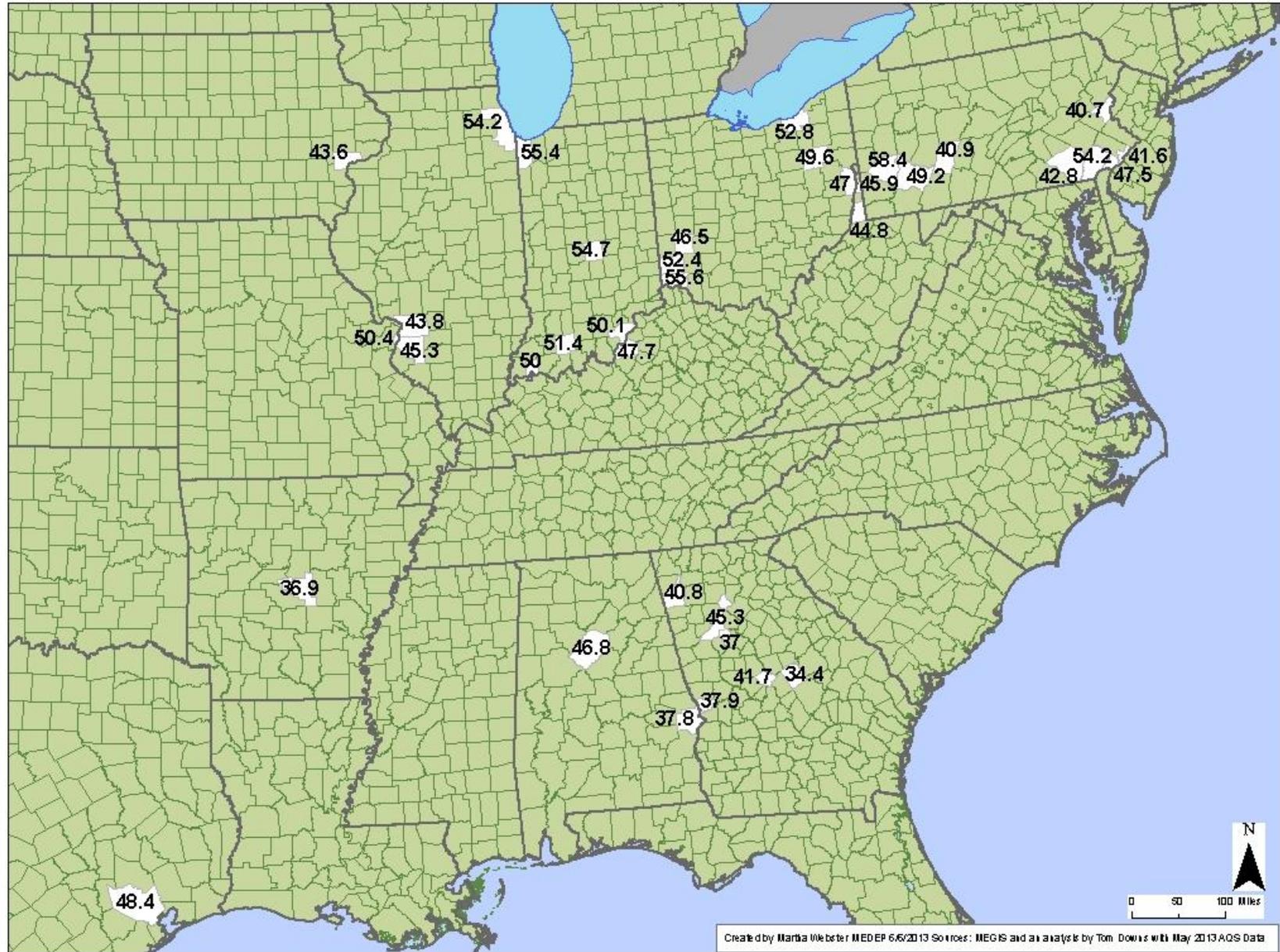


FIGURE D-4:

Violating Counties PM 2.5 2010 Annual Percent of Days > 12.0 Micrograms per meter cubed

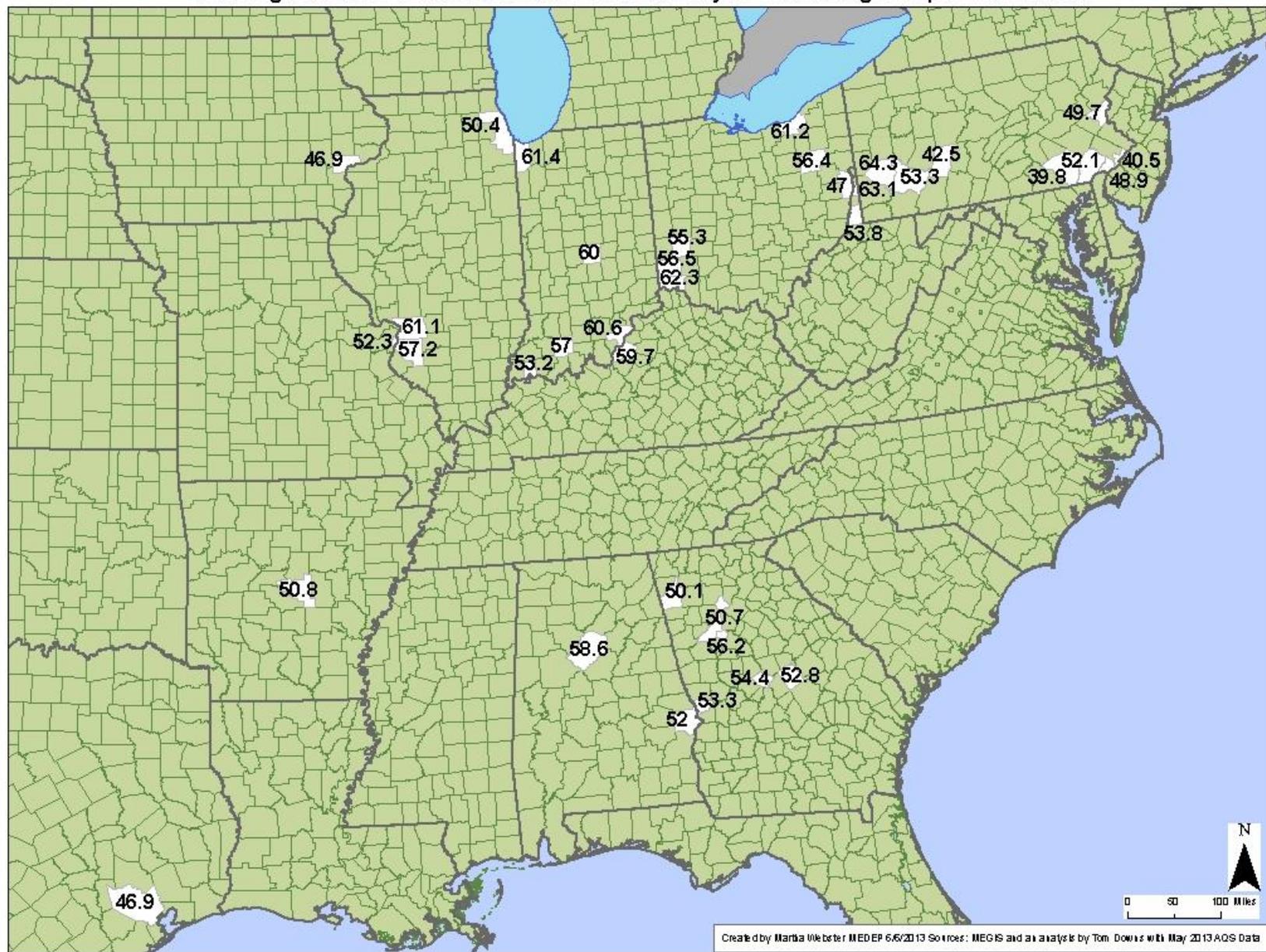


FIGURE D-5:

Violating Counties PM 2.5 2011 Annual Percent of Days > 12.0 Micrograms per meter cubed

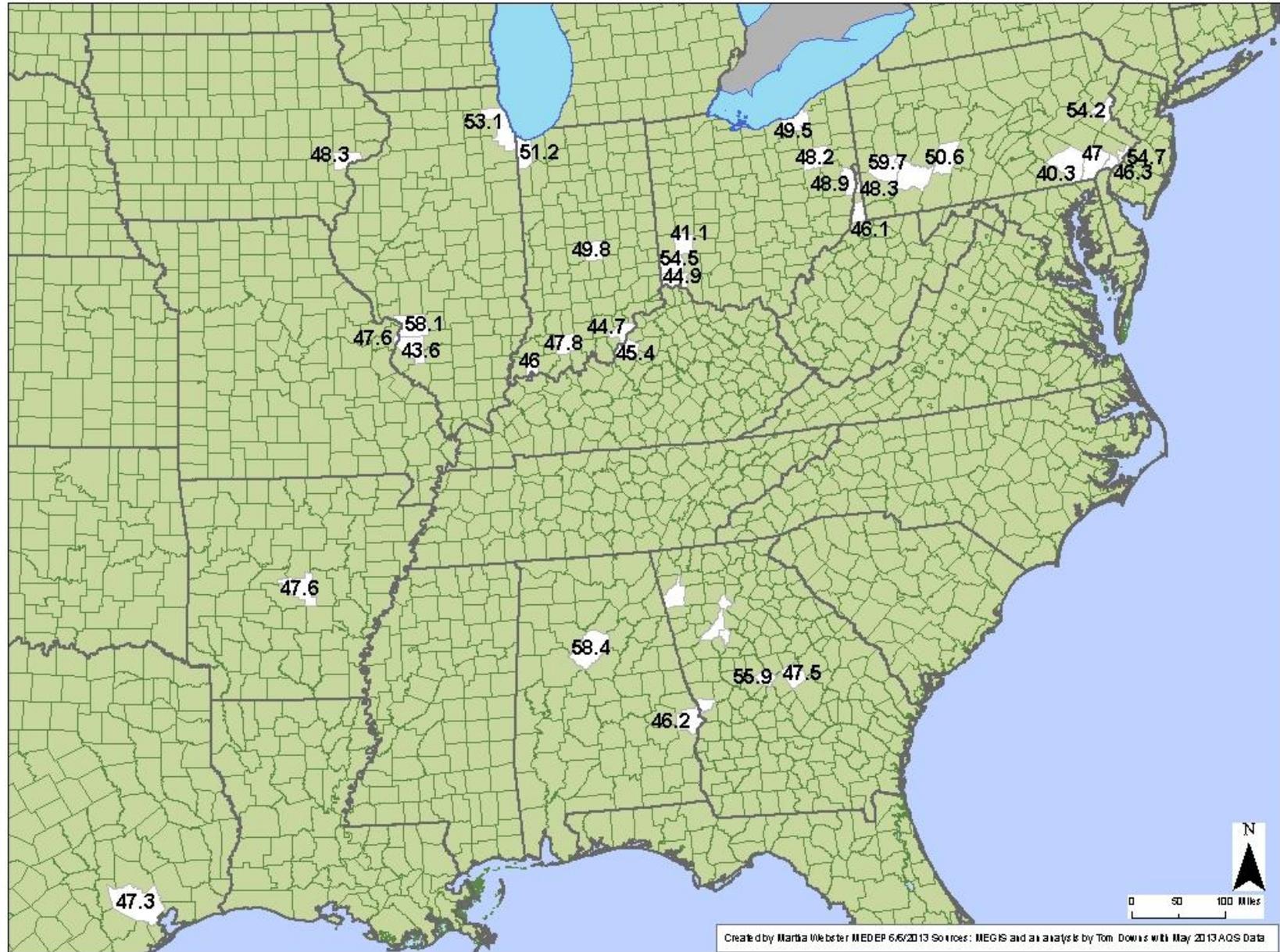


FIGURE D-6:

Violating Counties PM 2.5 2012 Annual Percent of Days > 12.0 Micrograms per meter cubed

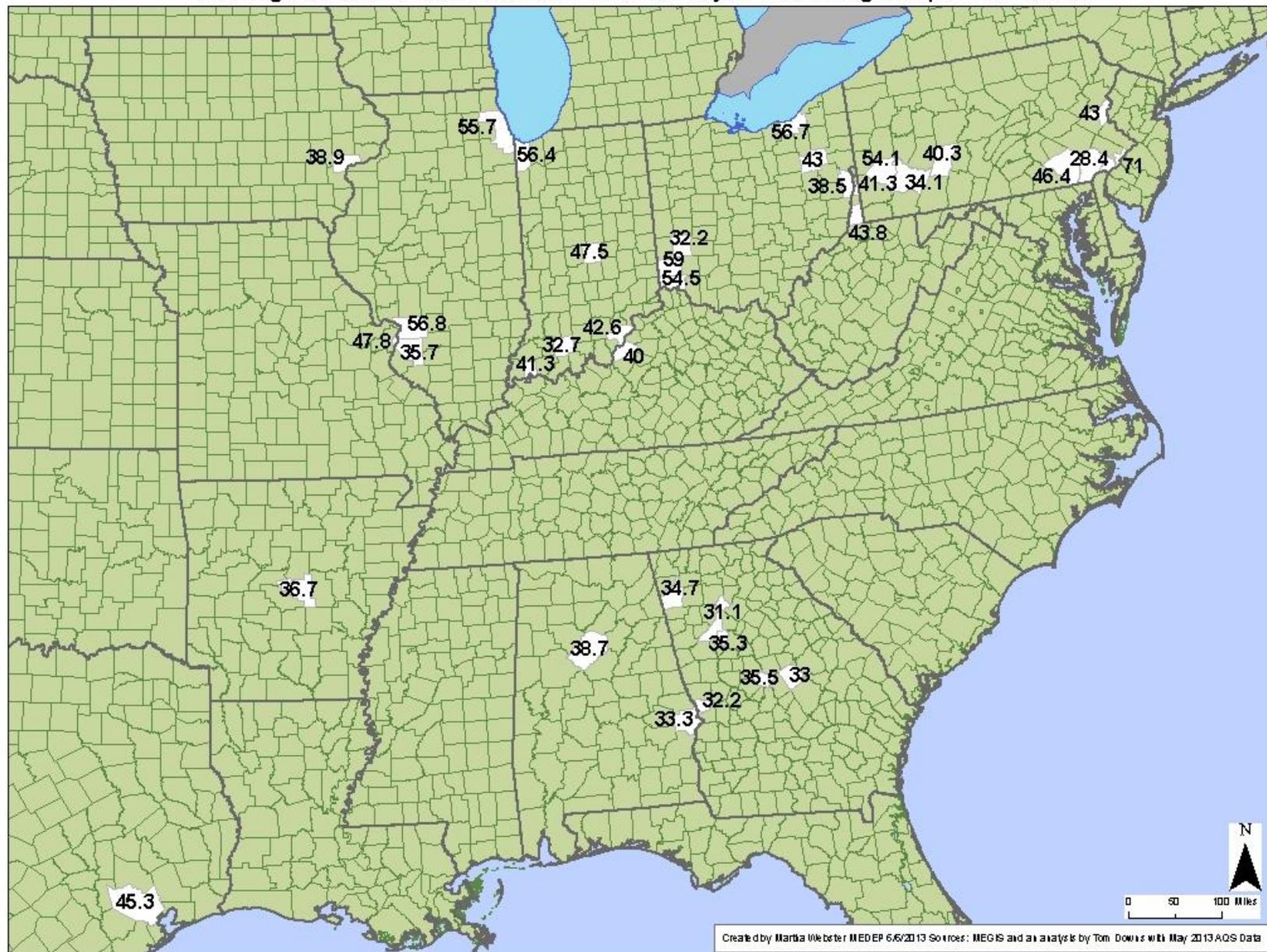


FIGURE D-7:

Violating Counties PM 2.5 2007 Winter - Percent of Days > 12.0 Micrograms per meter cubed

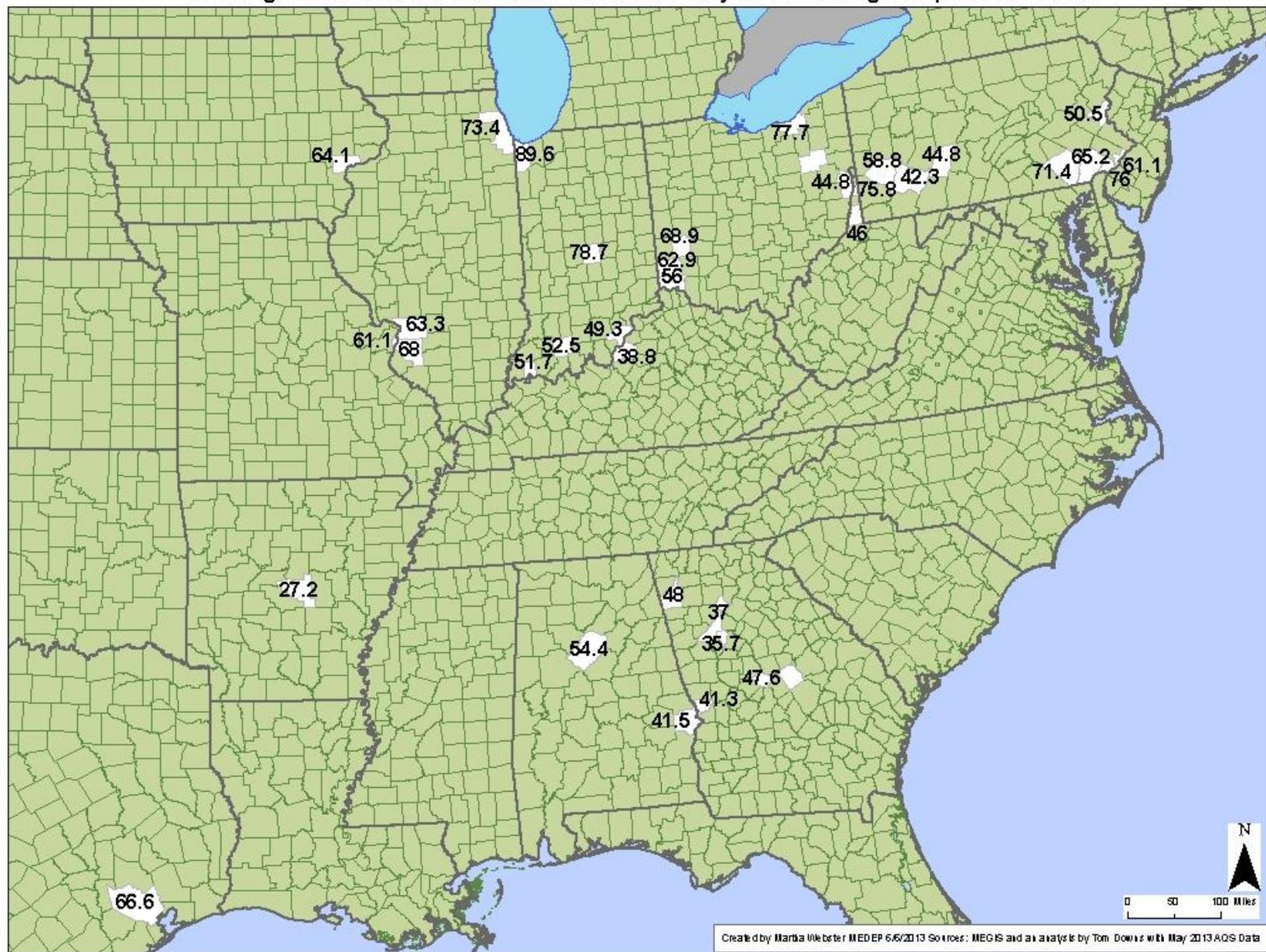


FIGURE D-8:

Violating Counties PM 2.5 2008 Winter - Percent of Days > 12.0 Micrograms per meter cubed

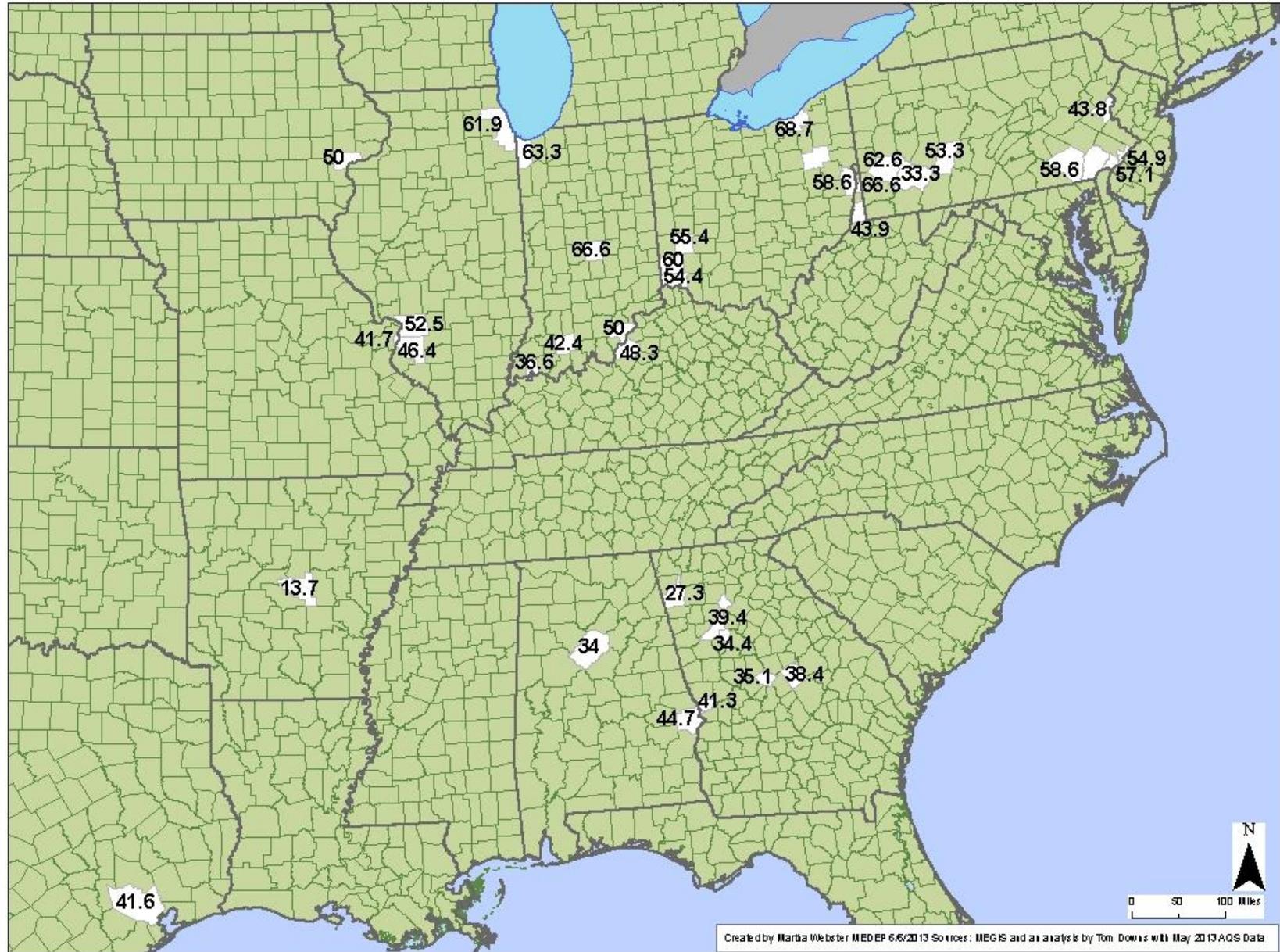


FIGURE D-9:

Violating Counties PM 2.5 2009 Winter - Percent of Days > 12.0 Micrograms per meter cubed

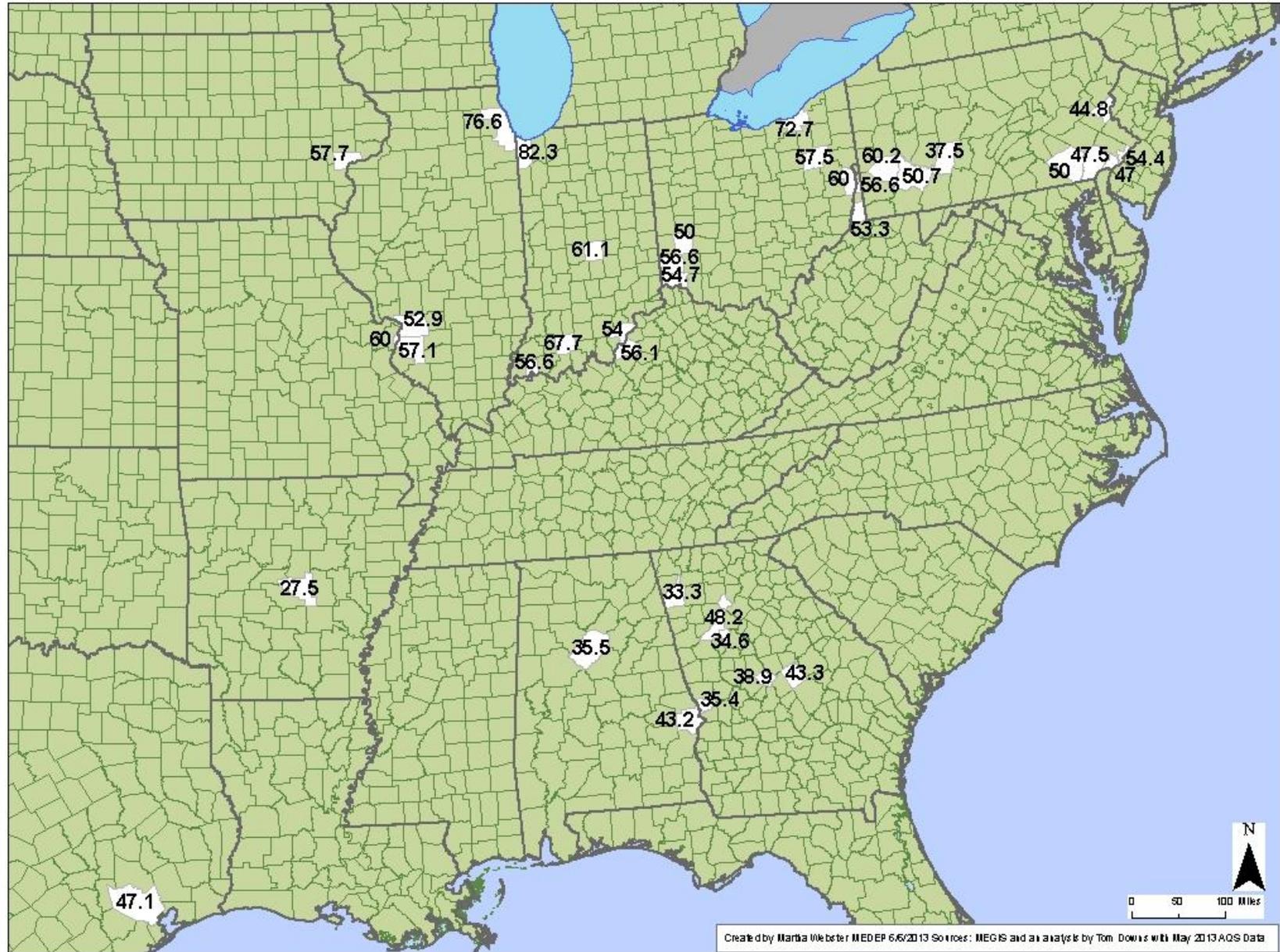


FIGURE D-11:

Violating Counties PM 2.5 2011 Winter - Percent of Days > 12.0 Micrograms per meter cubed

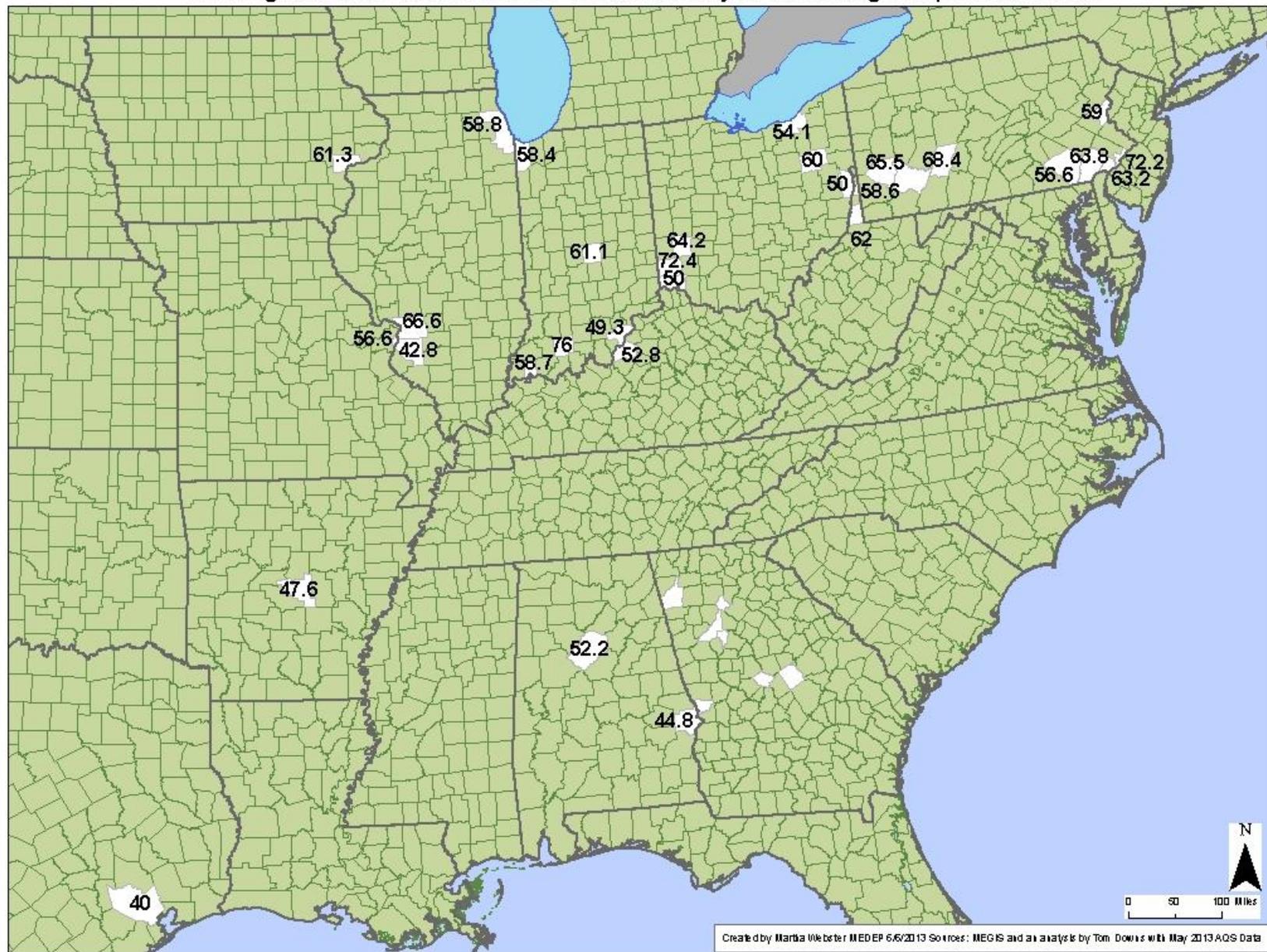


FIGURE D-12:

Violating Counties PM 2.5 2012 Winter - Percent of Days > 12.0 Micrograms per meter cubed

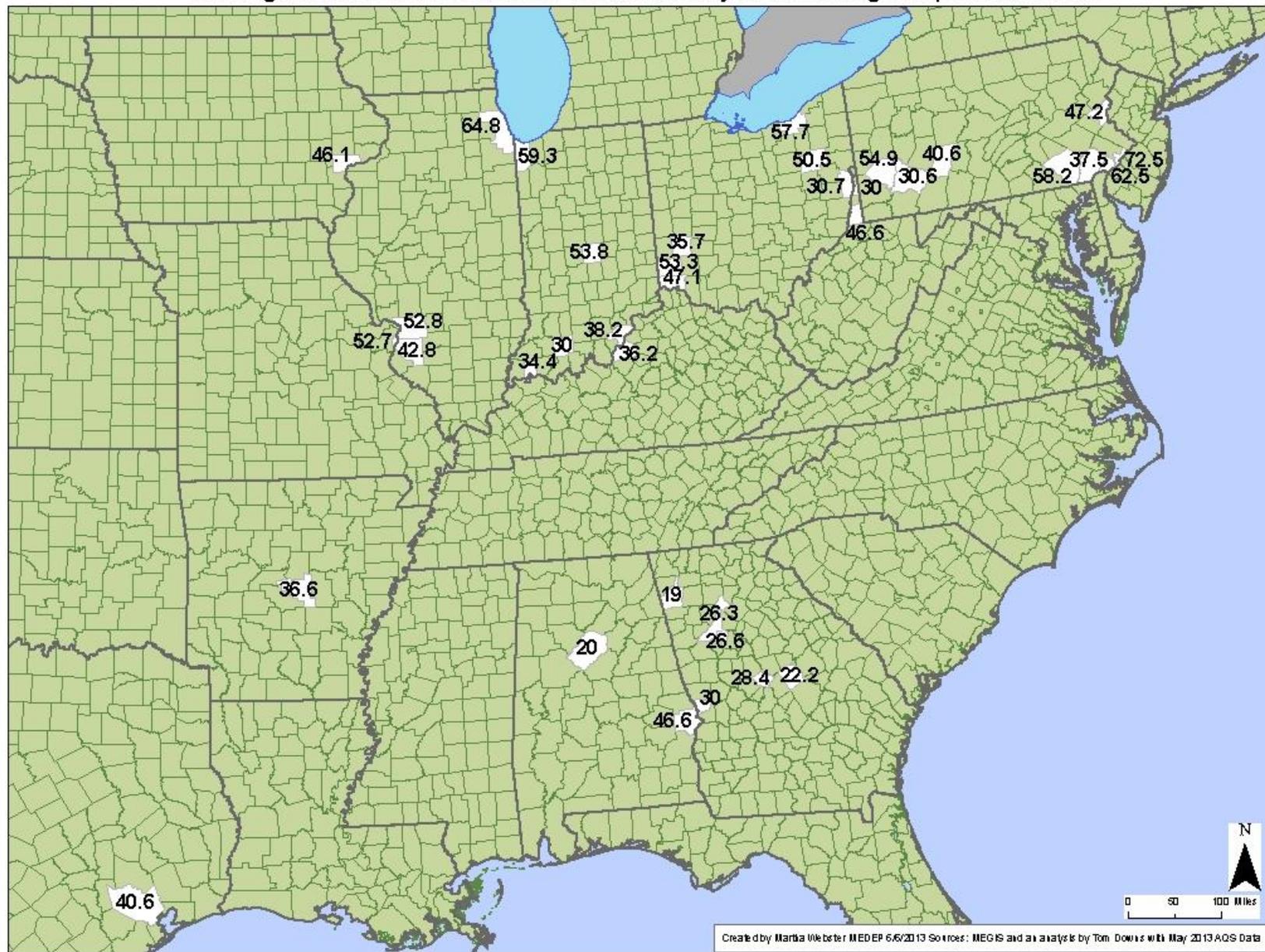


FIGURE D-13:

Violating Counties PM 2.5 2007 Spring - Percent of Days > 12.0 Micrograms per meter cubed

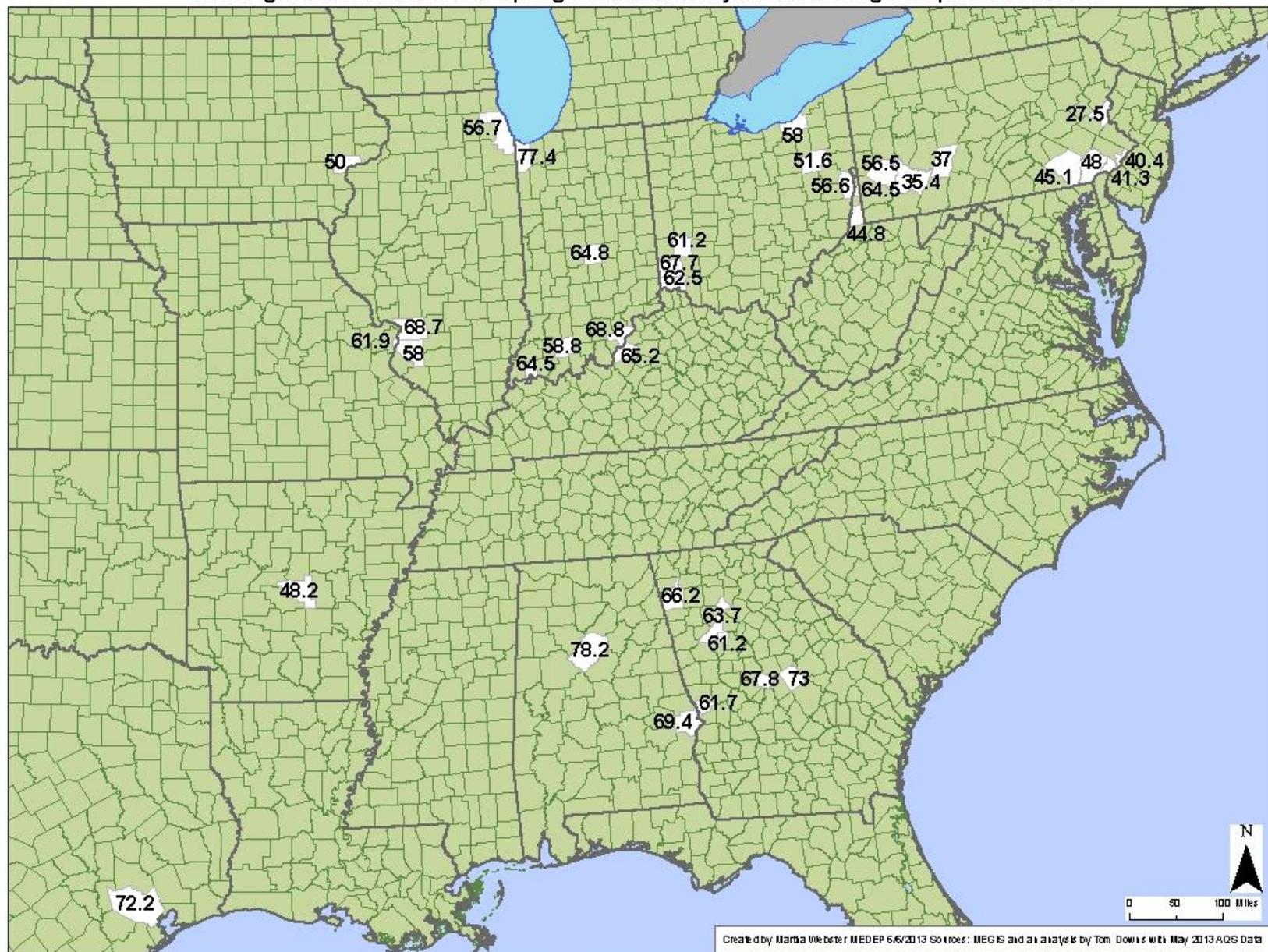


FIGURE D-14:

Violating Counties PM 2.5 2008 Spring - Percent of Days > 12.0 Micrograms per meter cubed

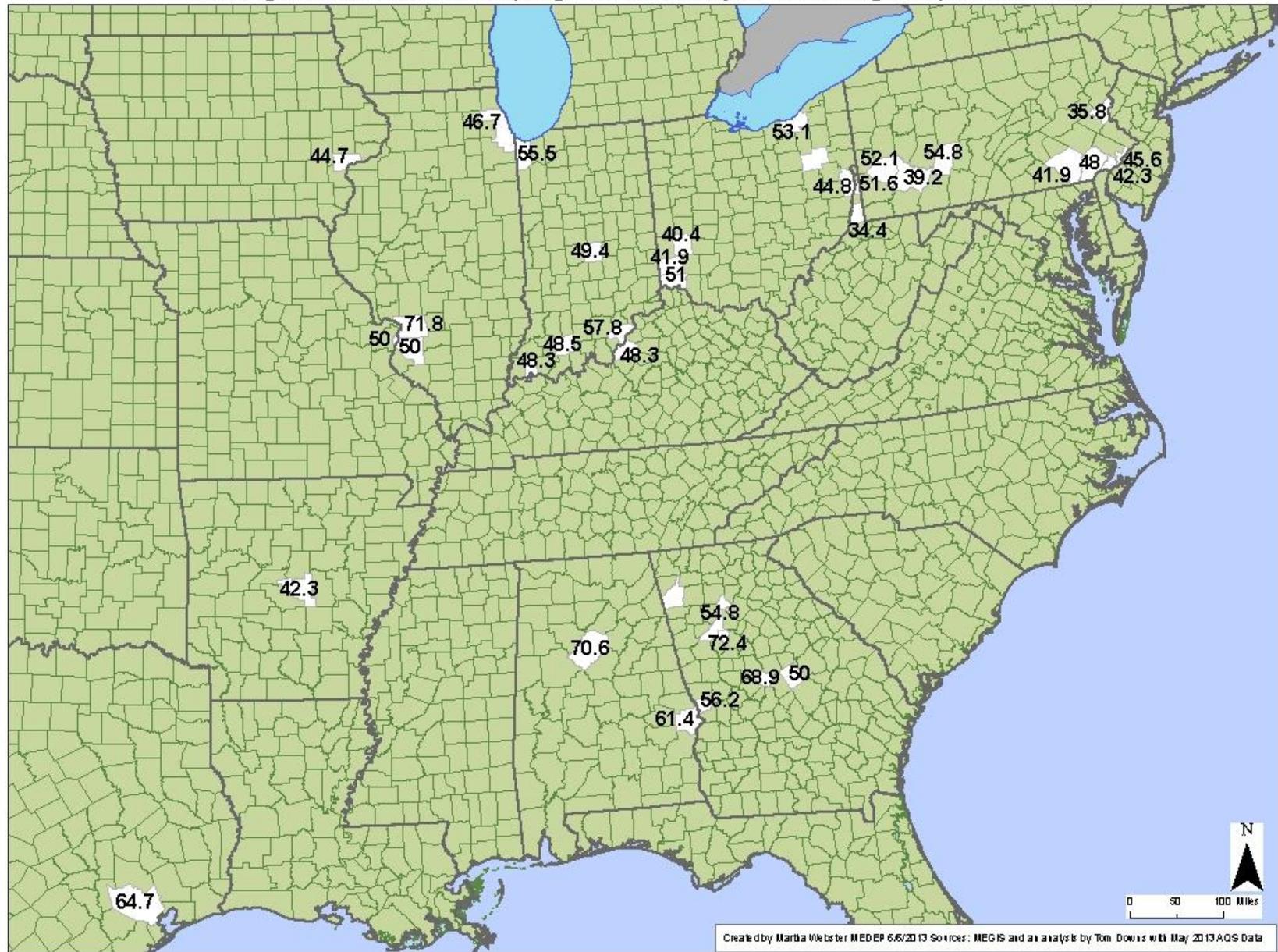


FIGURE D-15:

Violating Counties PM 2.5 2009 Spring - Percent of Days > 12.0 Micrograms per meter cubed

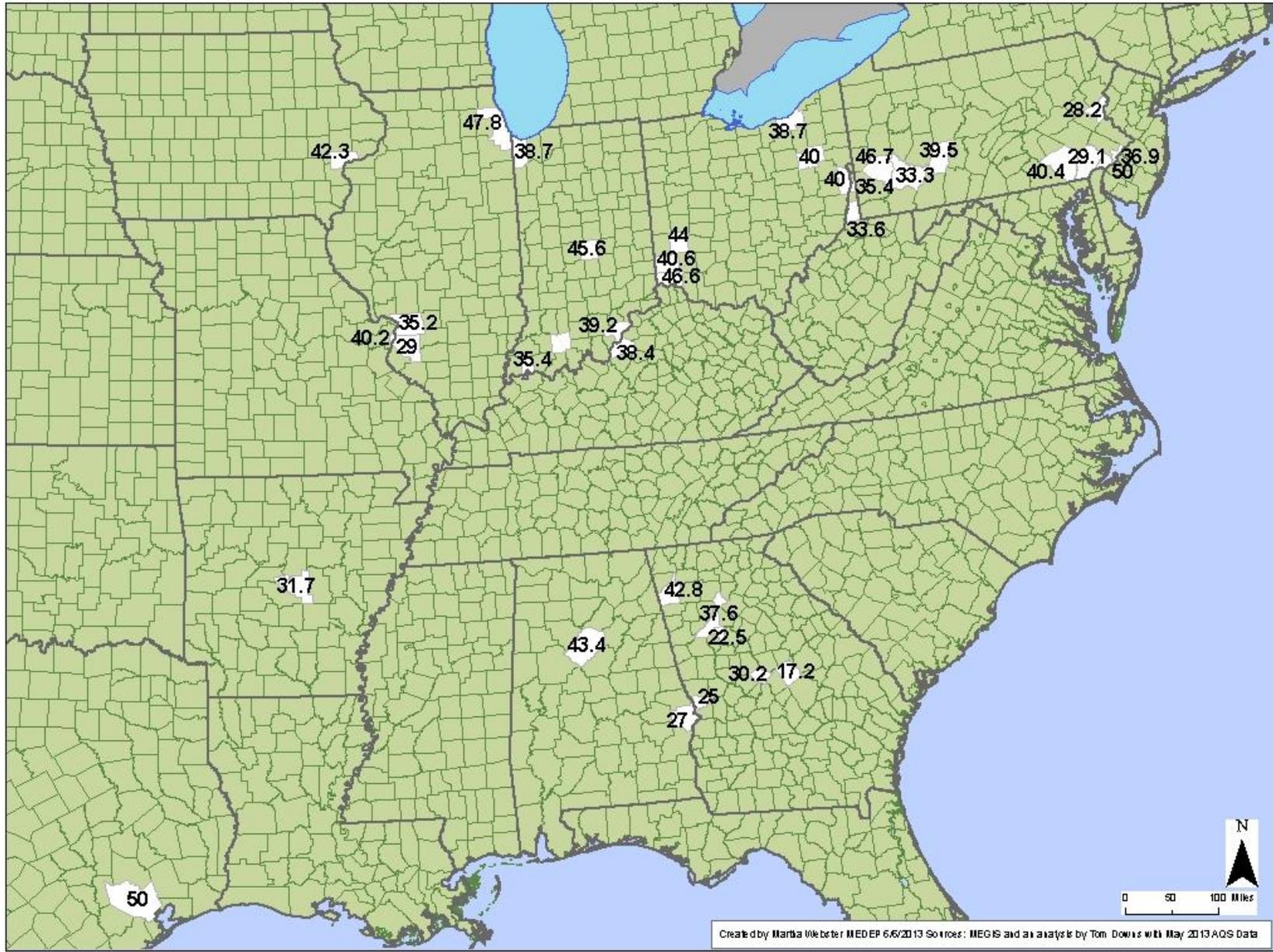


FIGURE D-16:

Violating Counties PM 2.5 2010 Spring - Percent of Days > 12.0 Micrograms per meter cubed

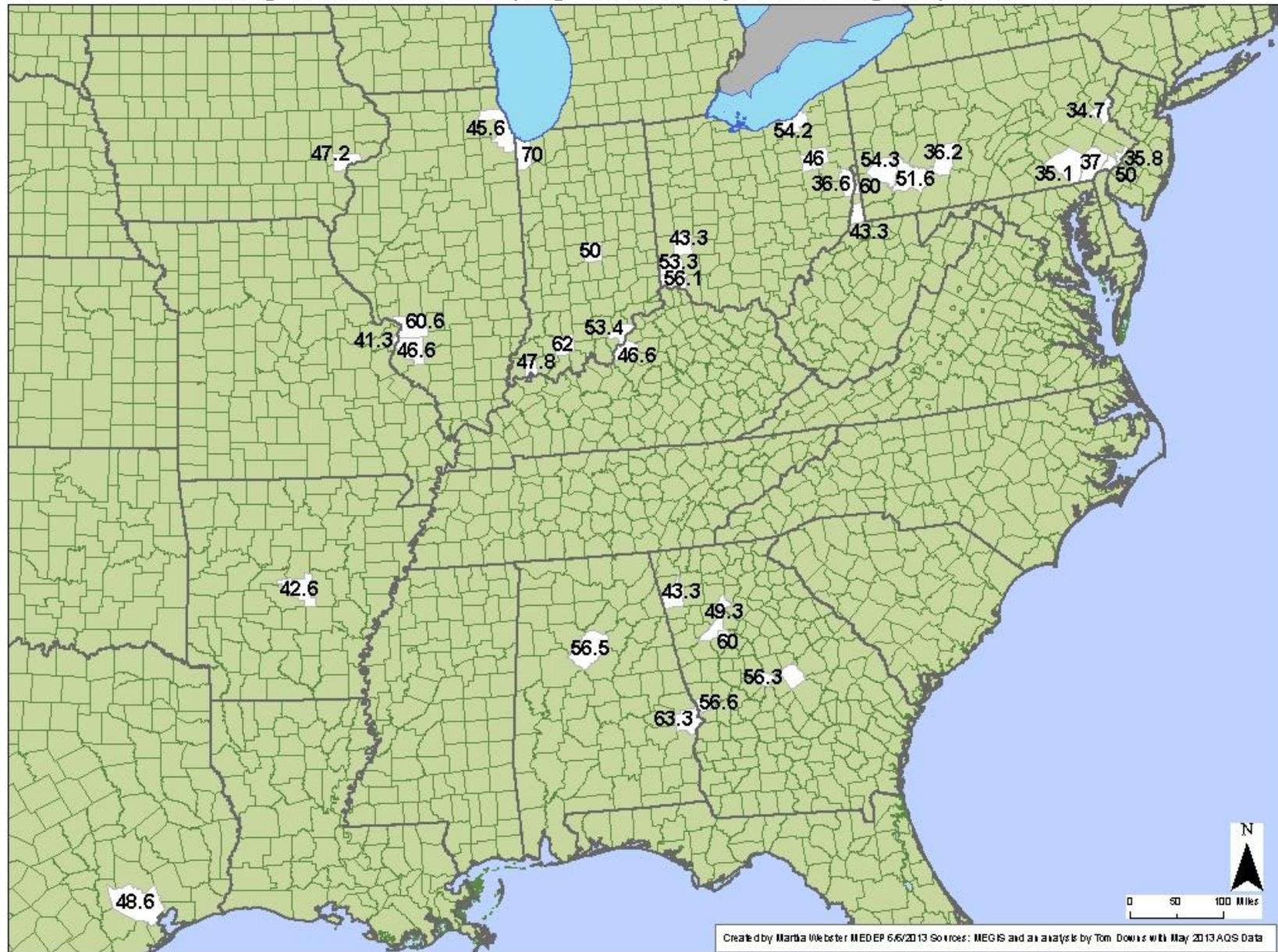


FIGURE D-17:
Violating Counties PM 2.5 2011 Spring - Percent of Days > 12.0 Micrograms per meter cubed

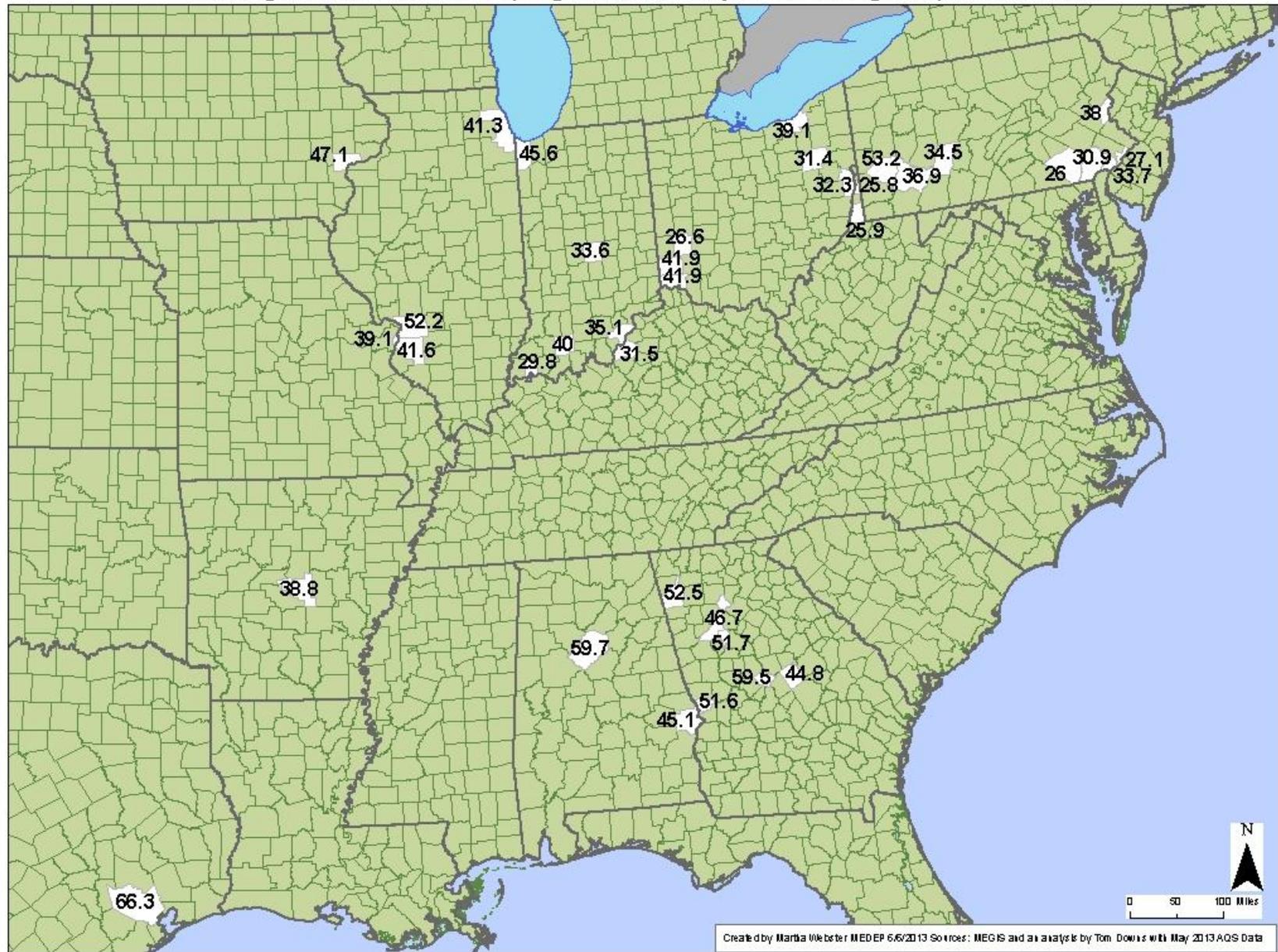
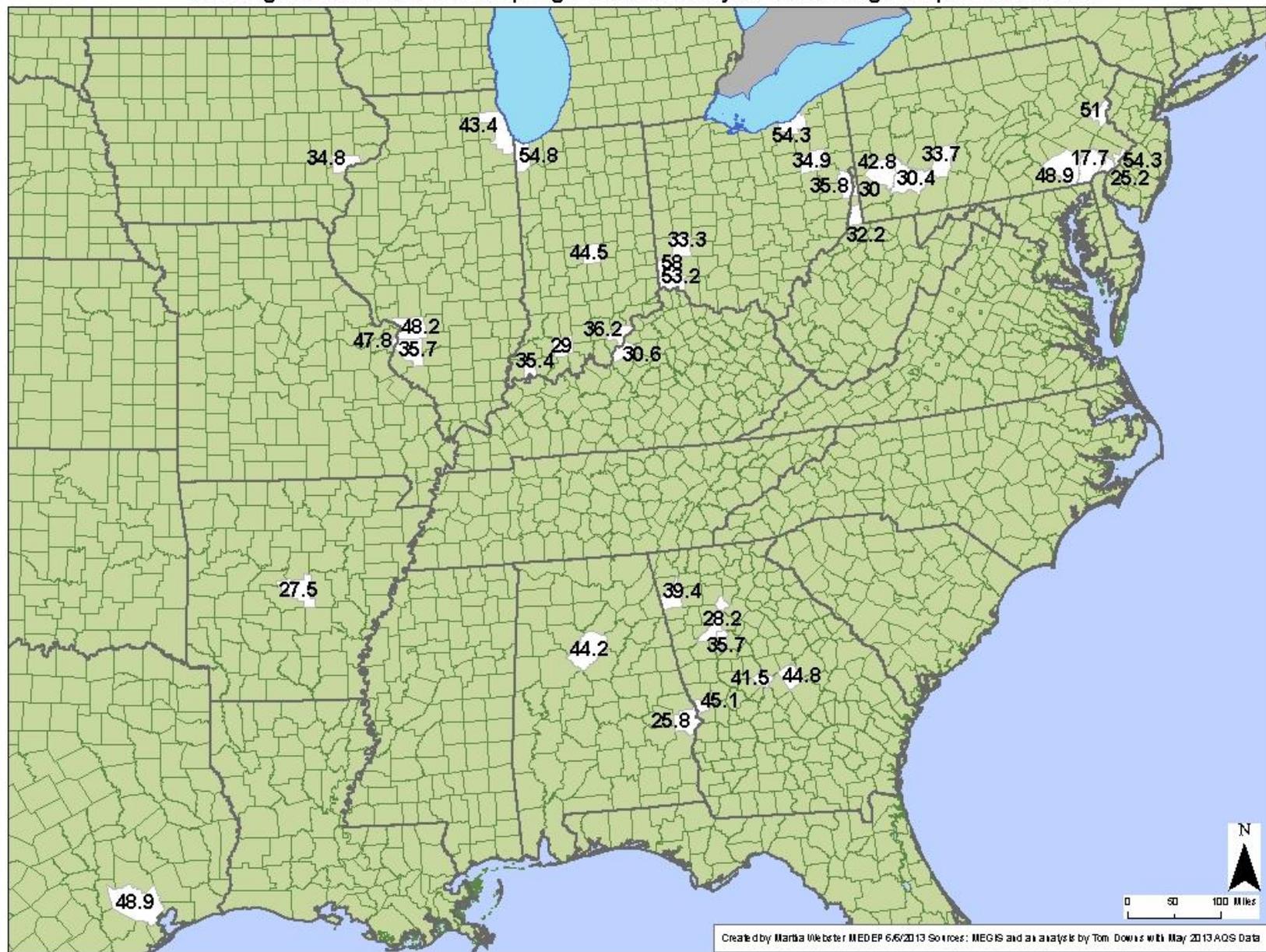


FIGURE D-18:

Violating Counties PM 2.5 2012 Spring - Percent of Days > 12.0 Micrograms per meter cubed



Created by Martha Webster MEDEP 6/6/2013 Sources: MEGIS and an analysis by Tom Downs with May 2013 AQS Data

FIGURE D-20:

Violating Counties PM 2.5 2008 Summer - Percent of Days > 12.0 Micrograms per meter cubed

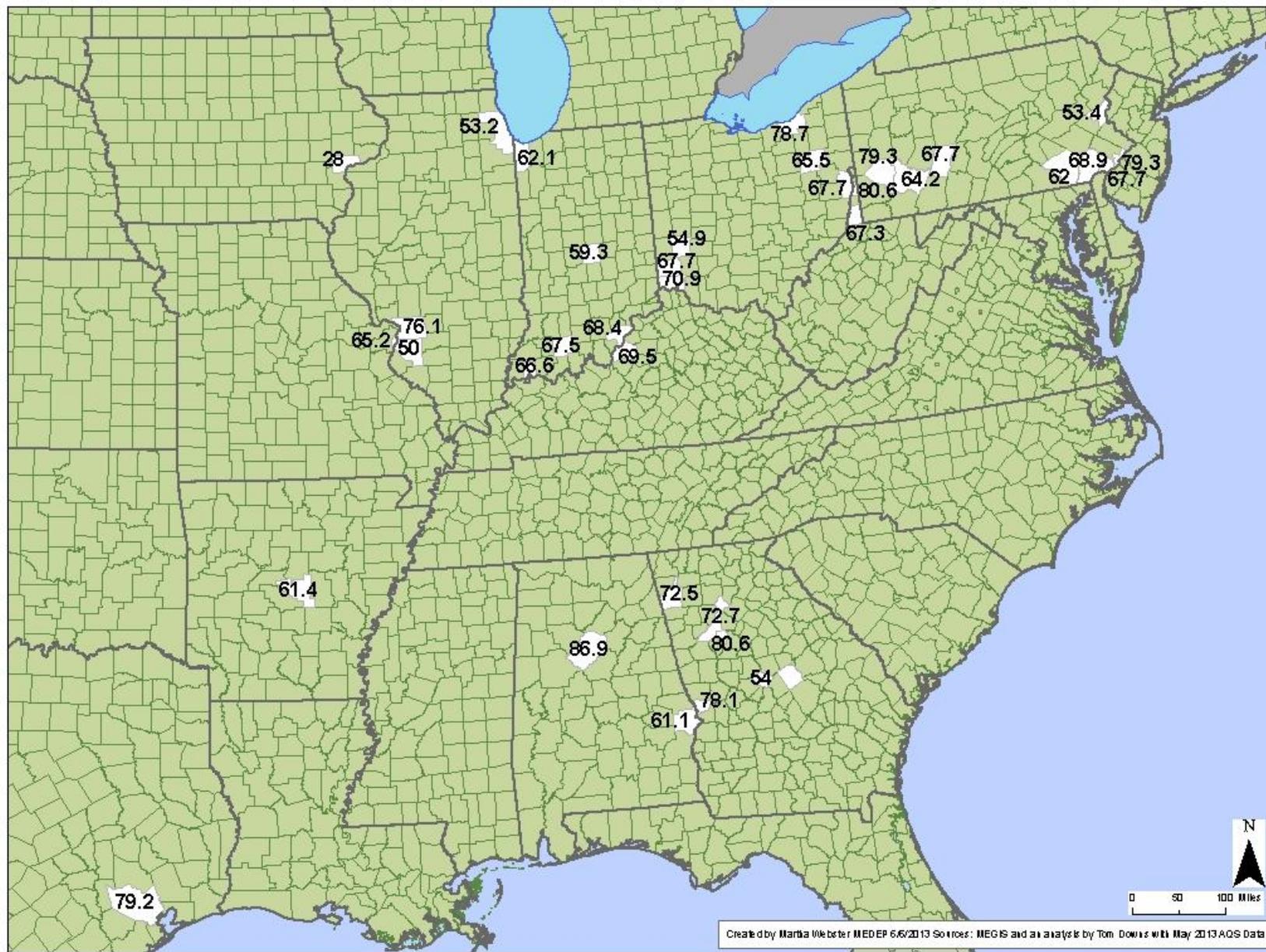


FIGURE D-21:
 Violating Counties PM 2.5 2009 Summer - Percent of Days > 12.0 Micrograms per meter cubed

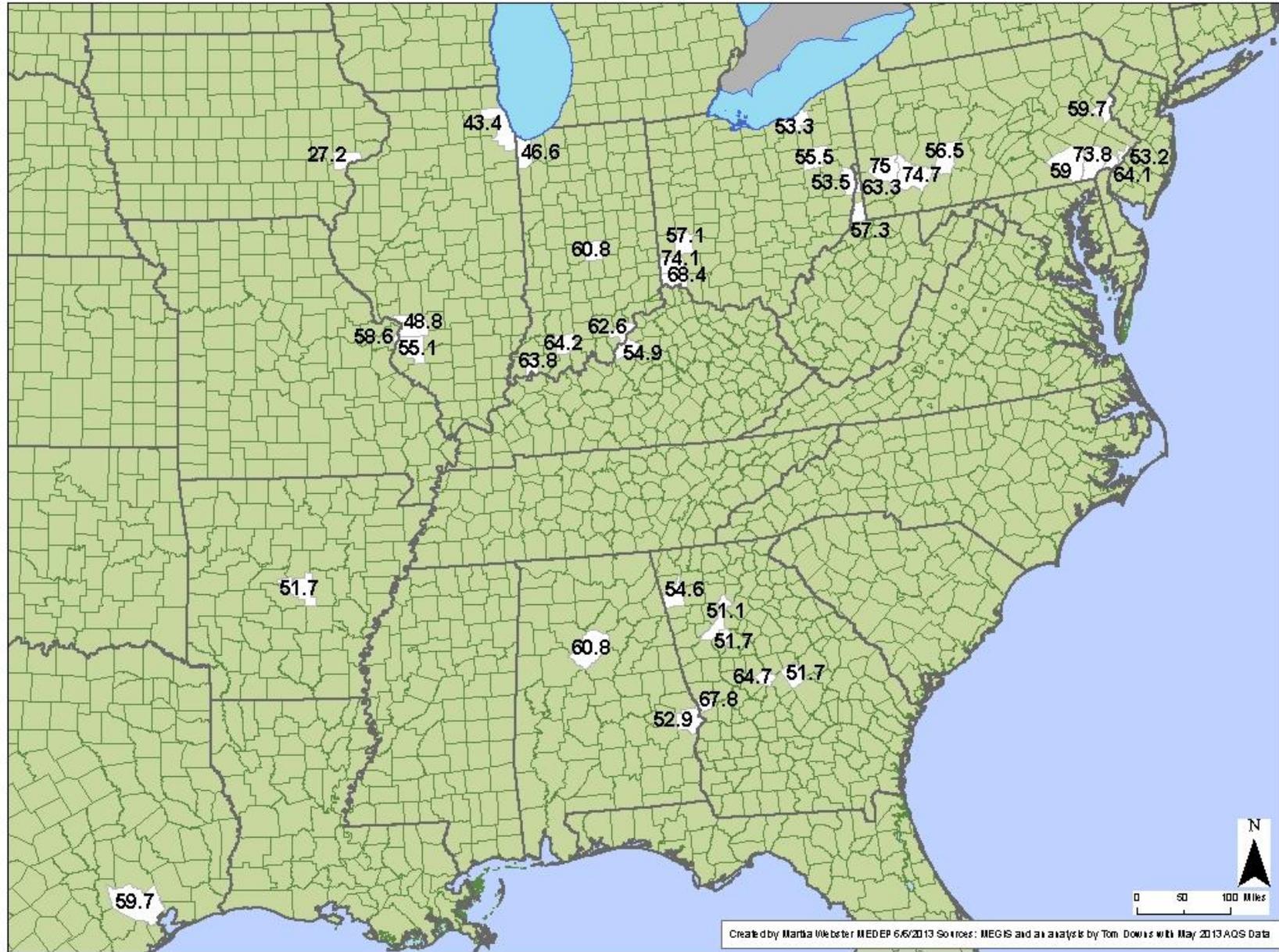


FIGURE D-22:

Violating Counties PM 2.5 2010 Summer - Percent of Days > 12.0 Micrograms per meter cubed

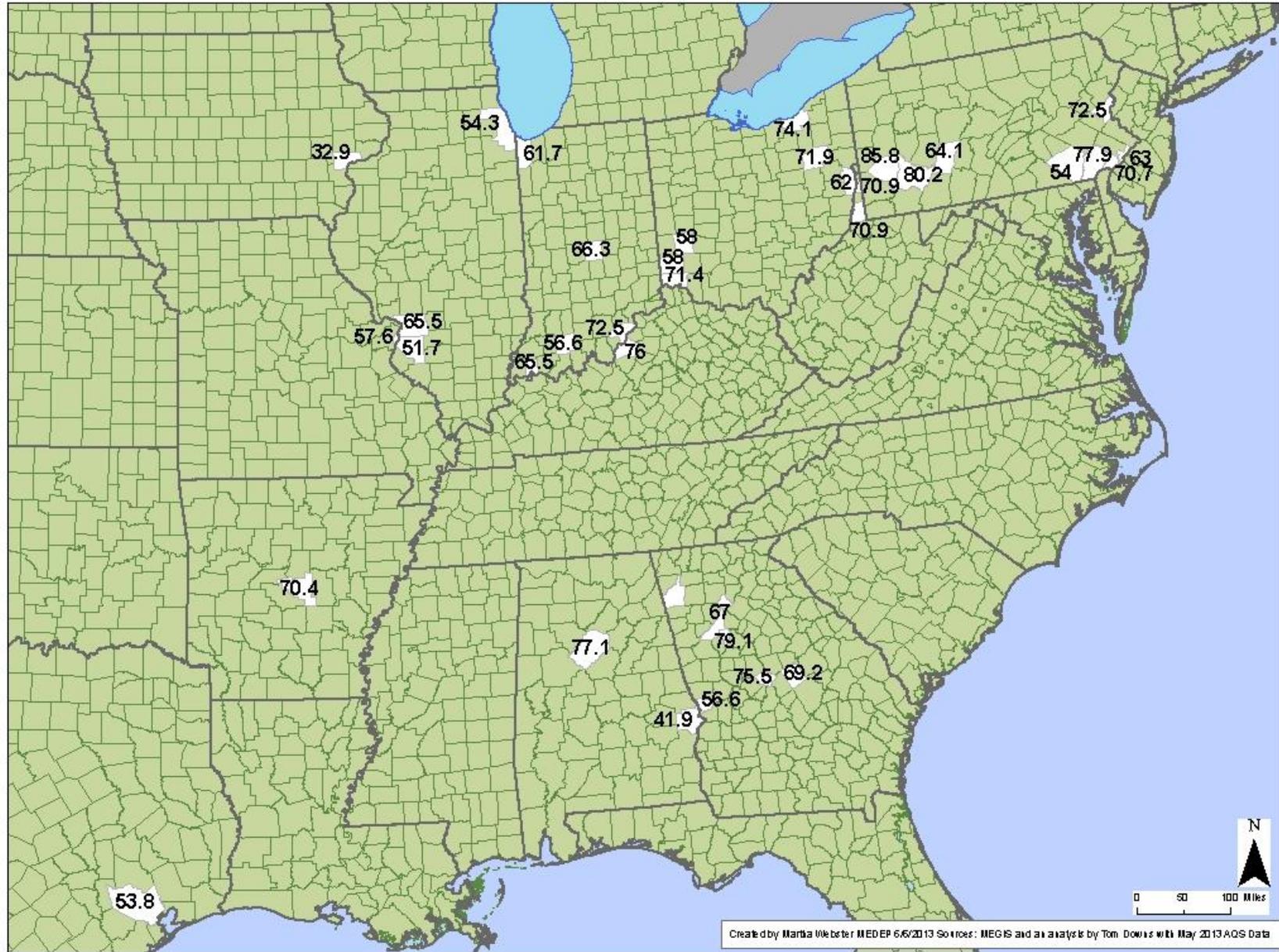


FIGURE D-23:

Violating Counties PM 2.5 2011 Summer - Percent of Days > 12.0 Micrograms per meter cubed

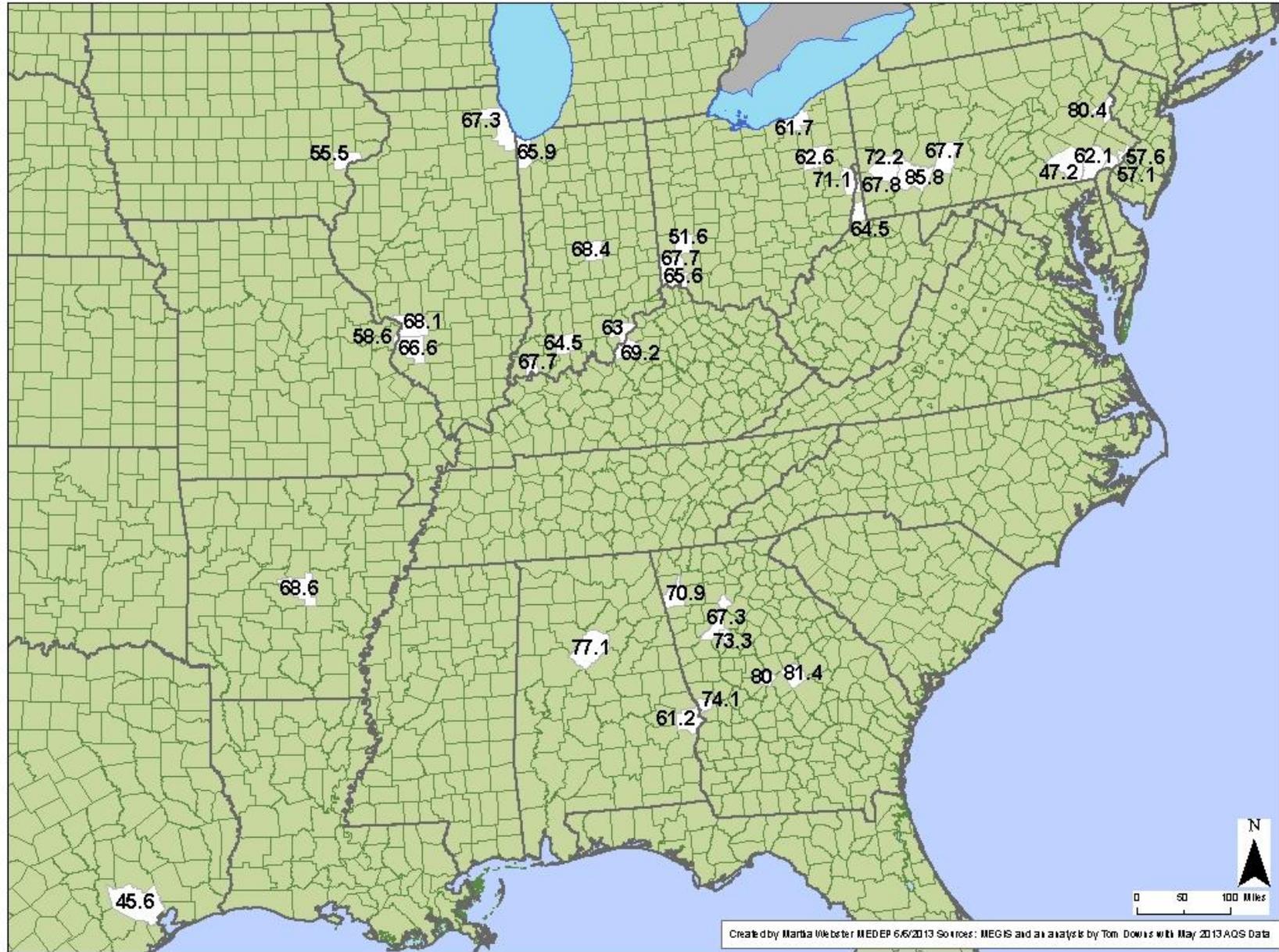


FIGURE D-24:

Violating Counties PM 2.5 2012 Summer - Percent of Days > 12.0 Micrograms per meter cubed

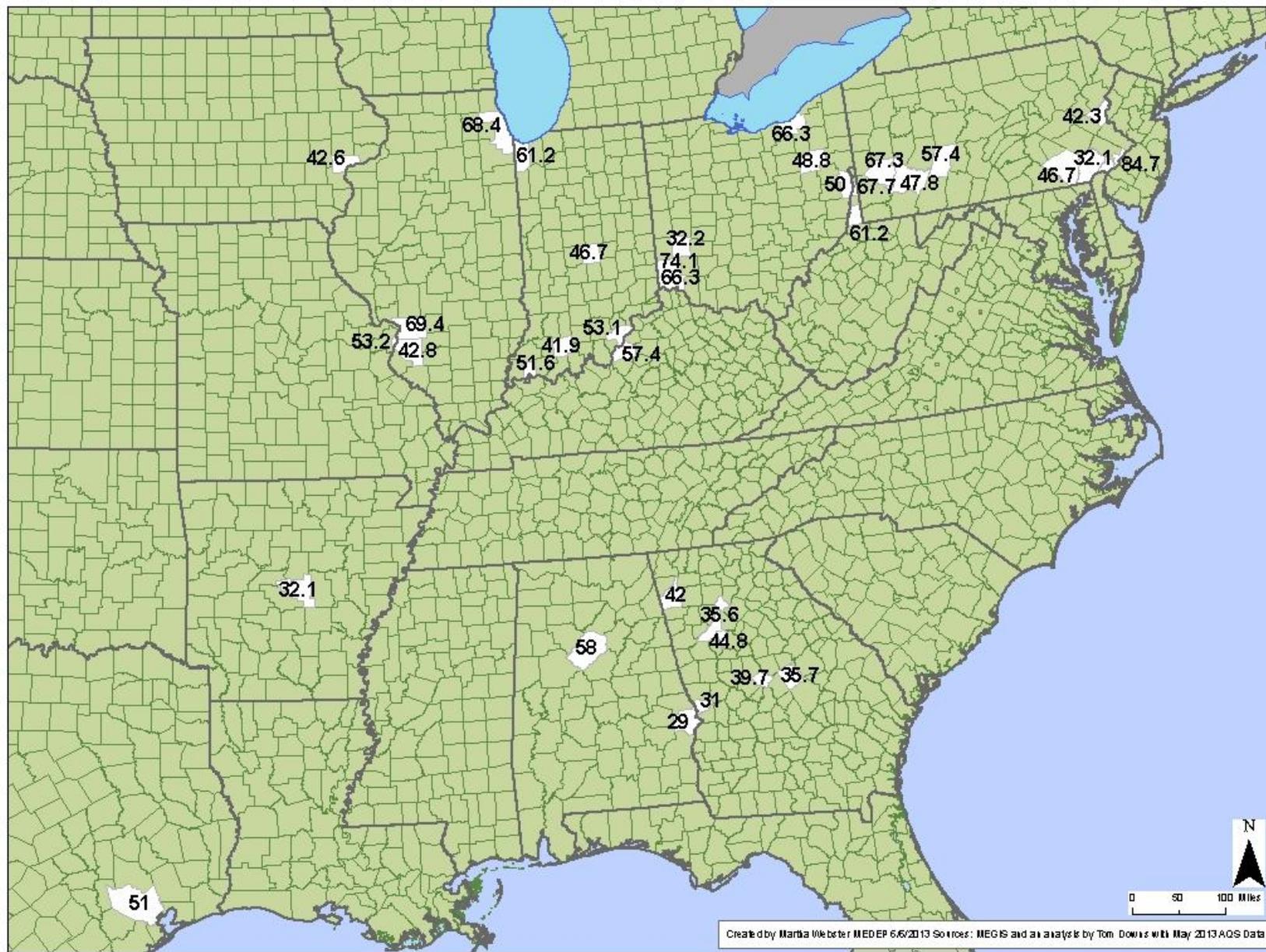


FIGURE D-25:

Violating Counties PM 2.5 2007 Fall - Percent of Days > 12.0 Micrograms per meter cubed

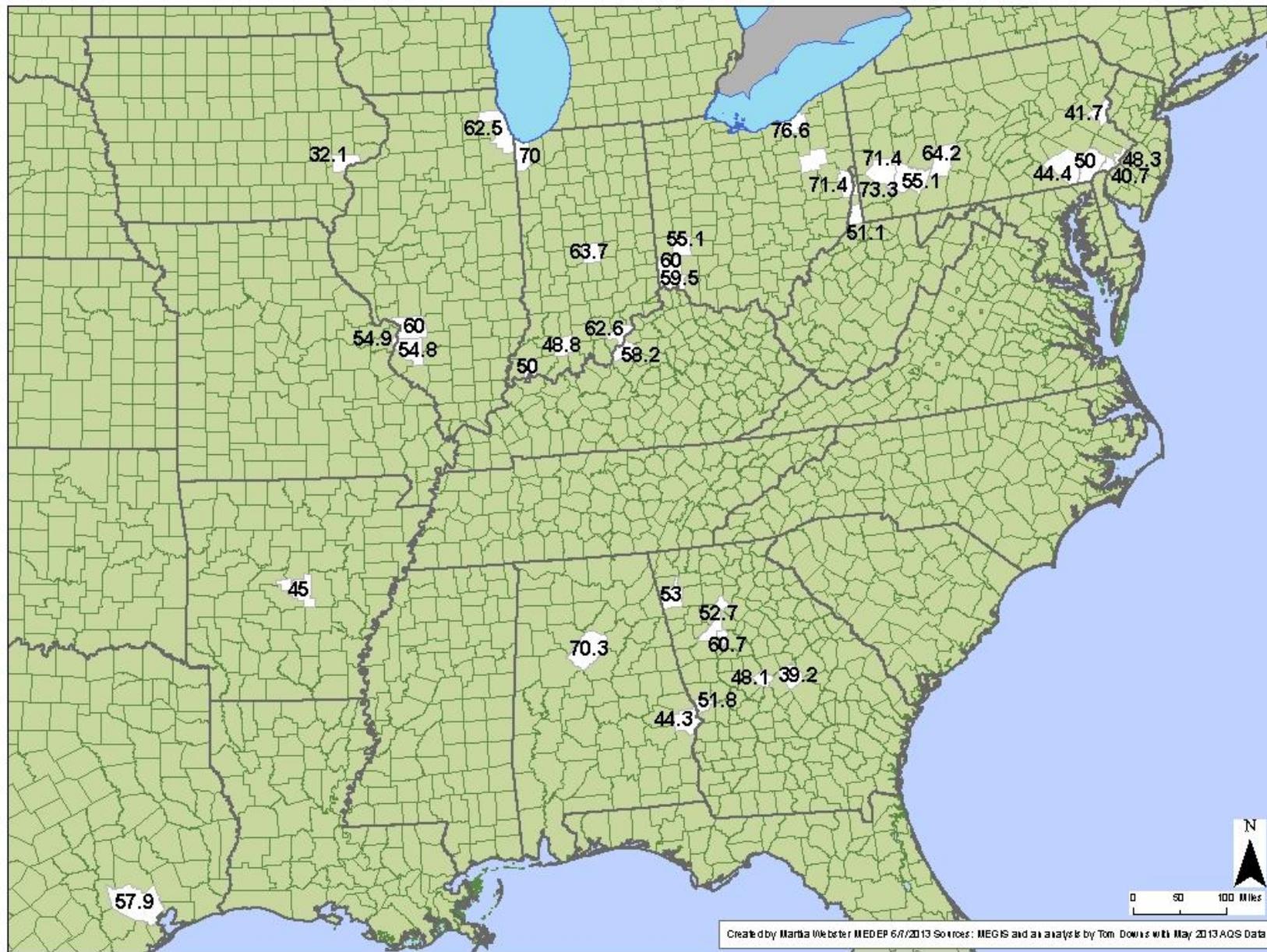


FIGURE D-26:

Violating Counties PM 2.5 2008 Fall - Percent of Days > 12.0 Micrograms per meter cubed

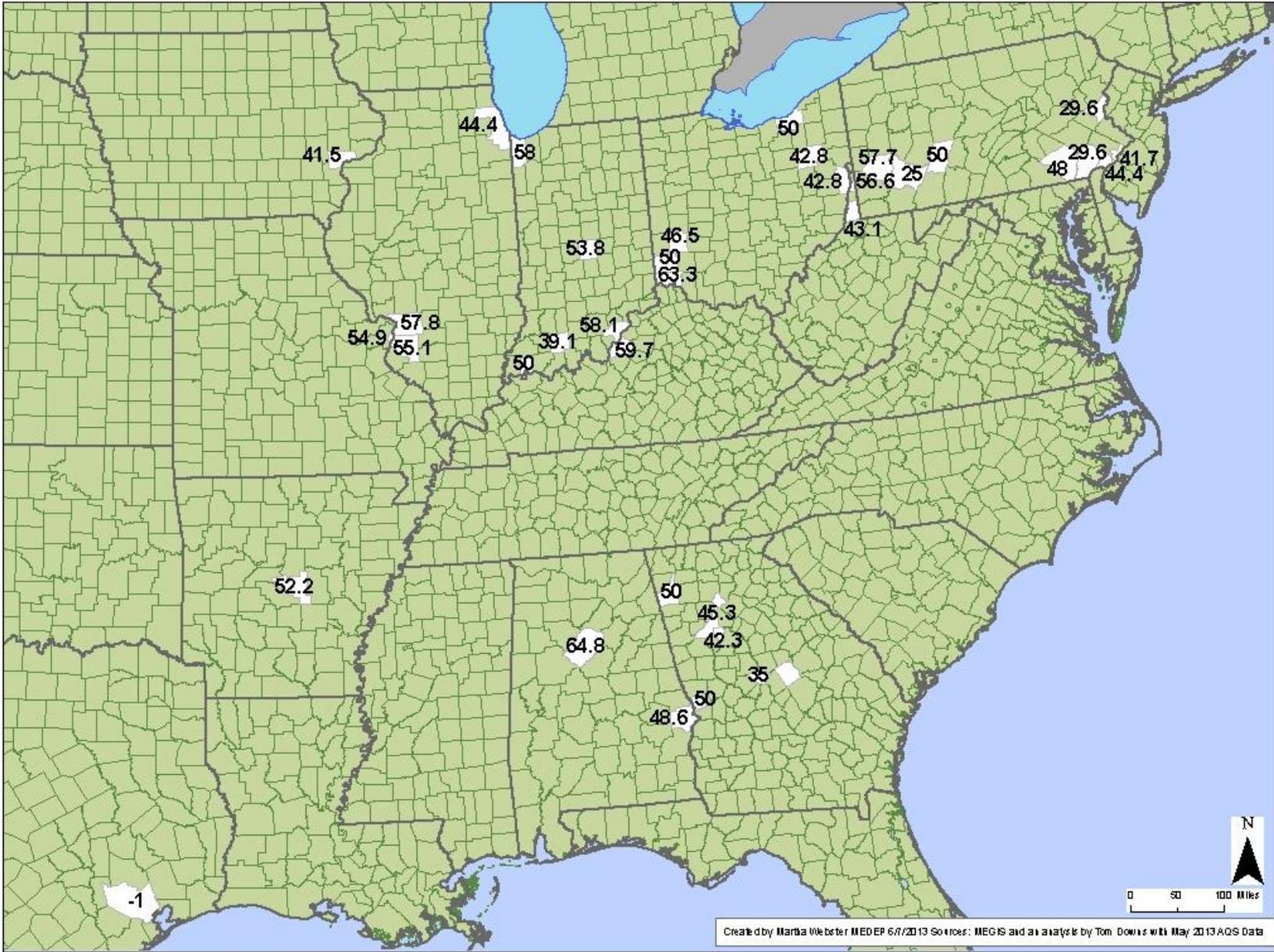


FIGURE D-27:

Violating Counties PM 2.5 2009 Fall - Percent of Days > 12.0 Micrograms per meter cubed

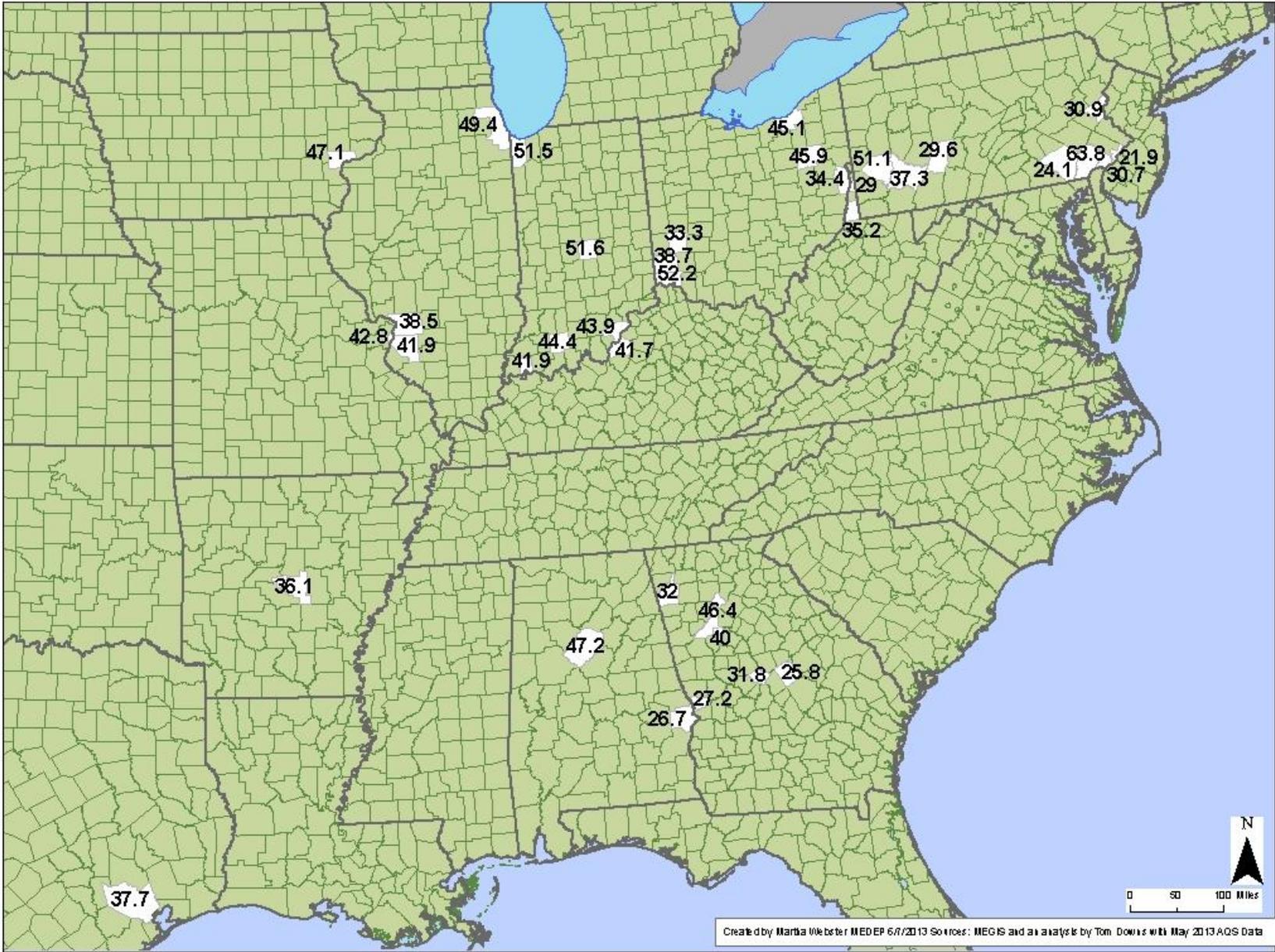
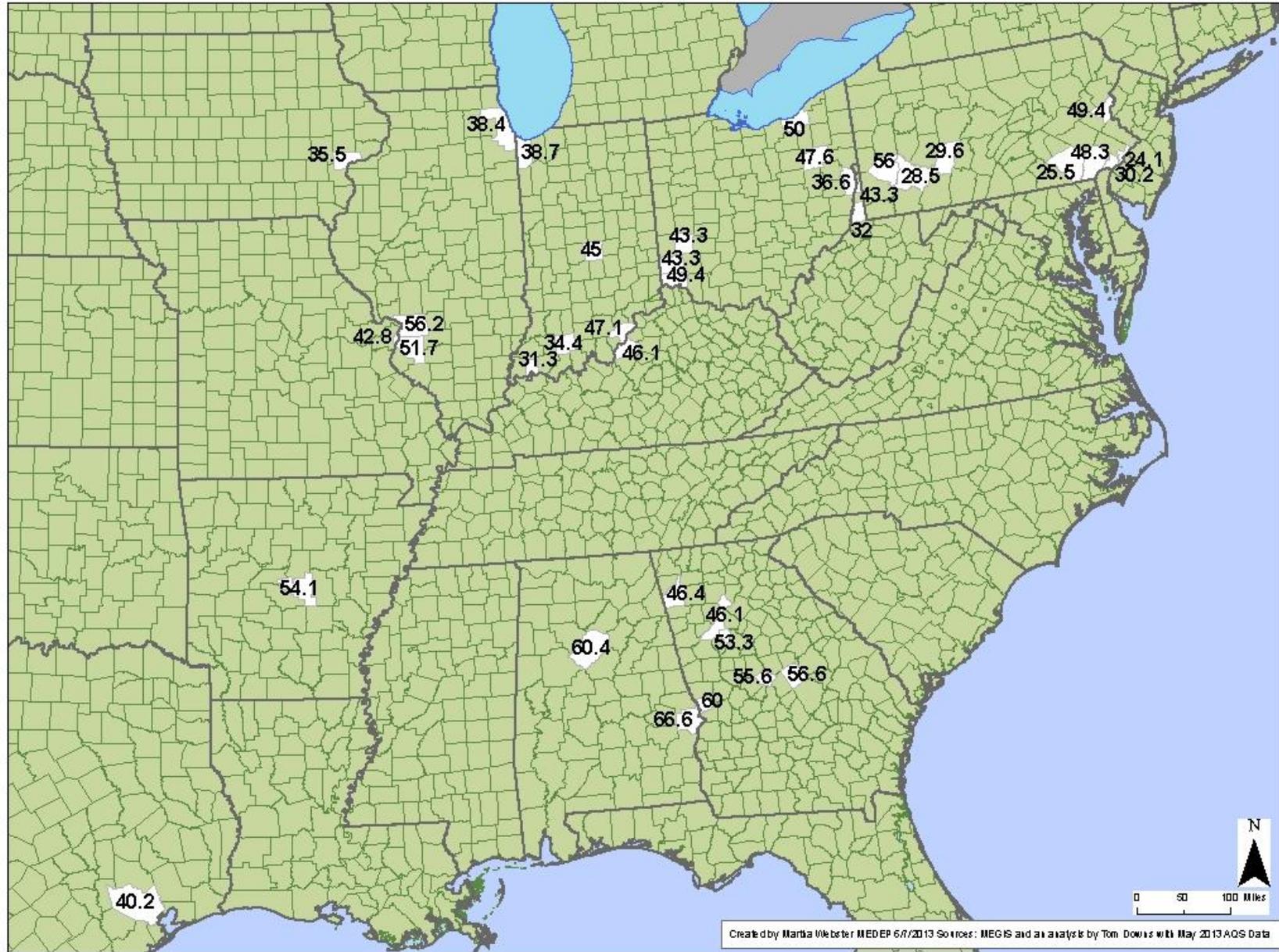


FIGURE D-28:

Violating Counties PM 2.5 2010 Fall - Percent of Days > 12.0 Micrograms per meter cubed



Created by Marla Webster MEDEP 6/7/2013 Sources: MEGS and an analysis by Tom Downs with May 2013 AQS Data

FIGURE D-30:

Violating Counties PM 2.5 2012 Fall - Percent of Days > 12.0 Micrograms per meter cubed

