

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

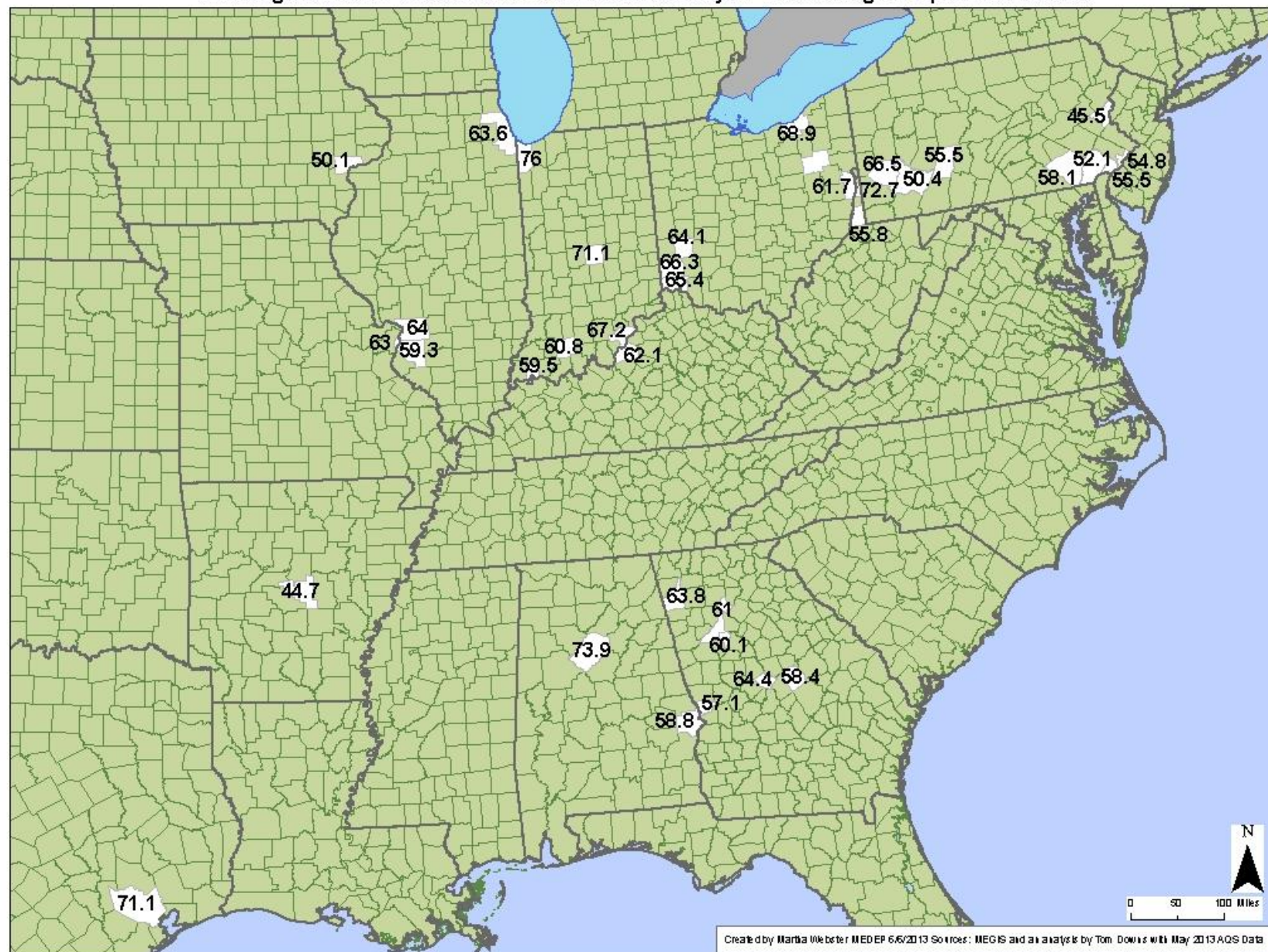
October 9, 2013 FINAL

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



Map of the Eastern United States showing ozone levels in parts per billion (ppb) for May 2013. The map covers states from North Carolina down to Texas and from the Midwest to the Atlantic coast. Numerous numerical values are placed across the map, representing ozone concentrations at various locations. A scale bar indicates 0 to 100 miles, and a north arrow is present in the bottom right corner. A legend at the bottom right states: "Created by Martha Webster MED-EP 6/6/2013 Sources: MEGIS and an analysis by Tom Downs with May 2013 AQS Data".

FIGURE D-3:

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

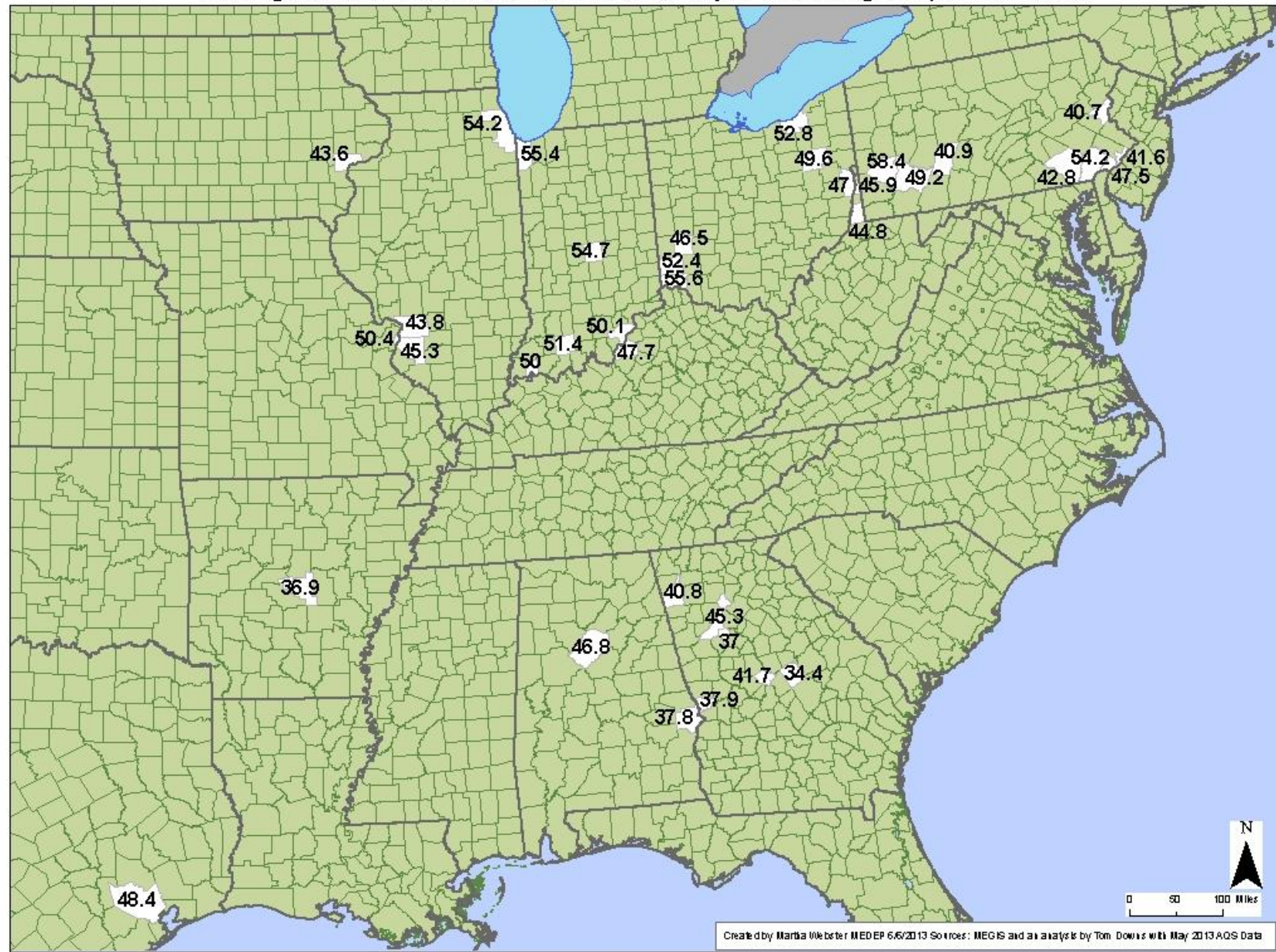


FIGURE D-4:

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

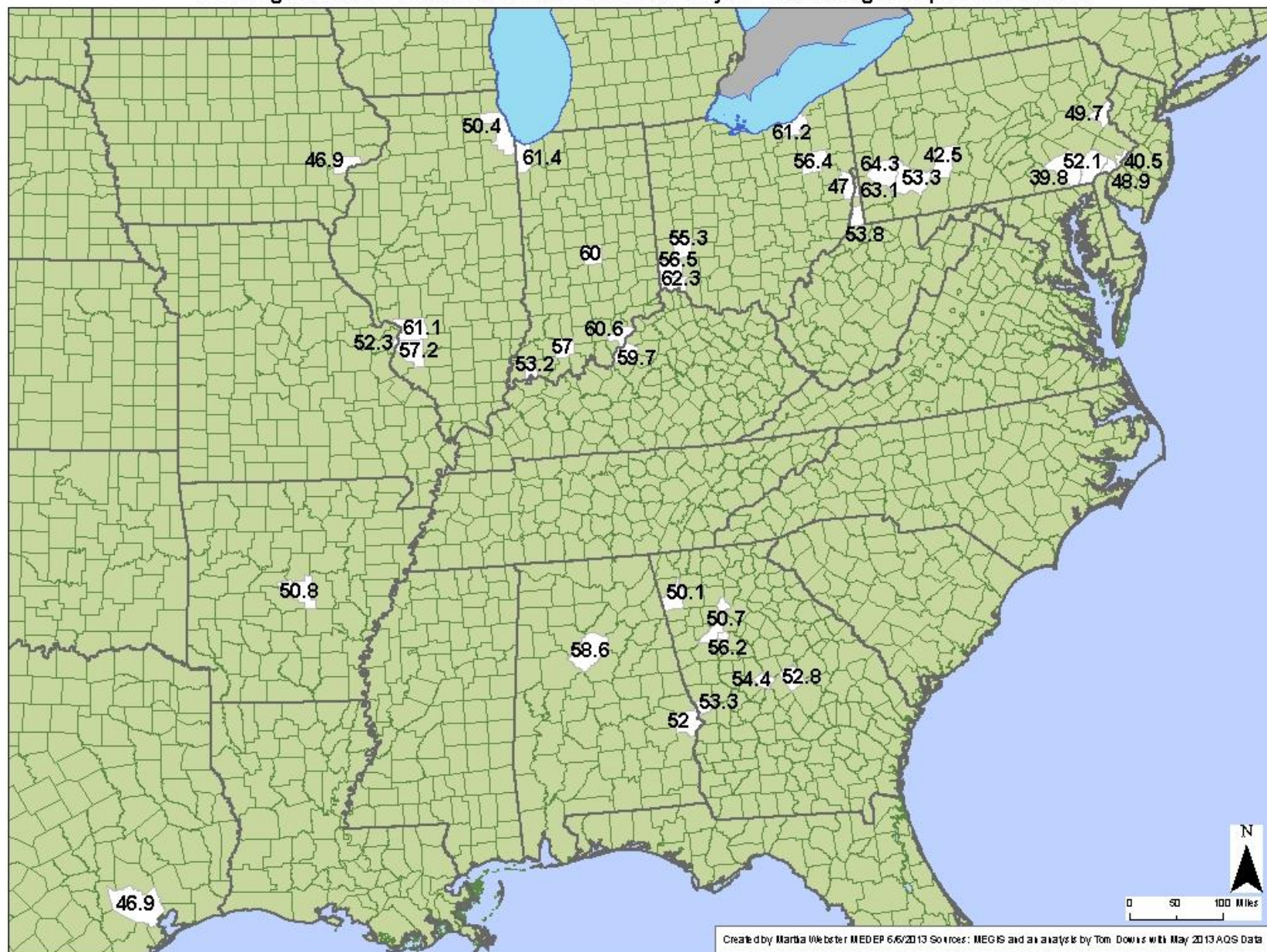


FIGURE D-5:

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

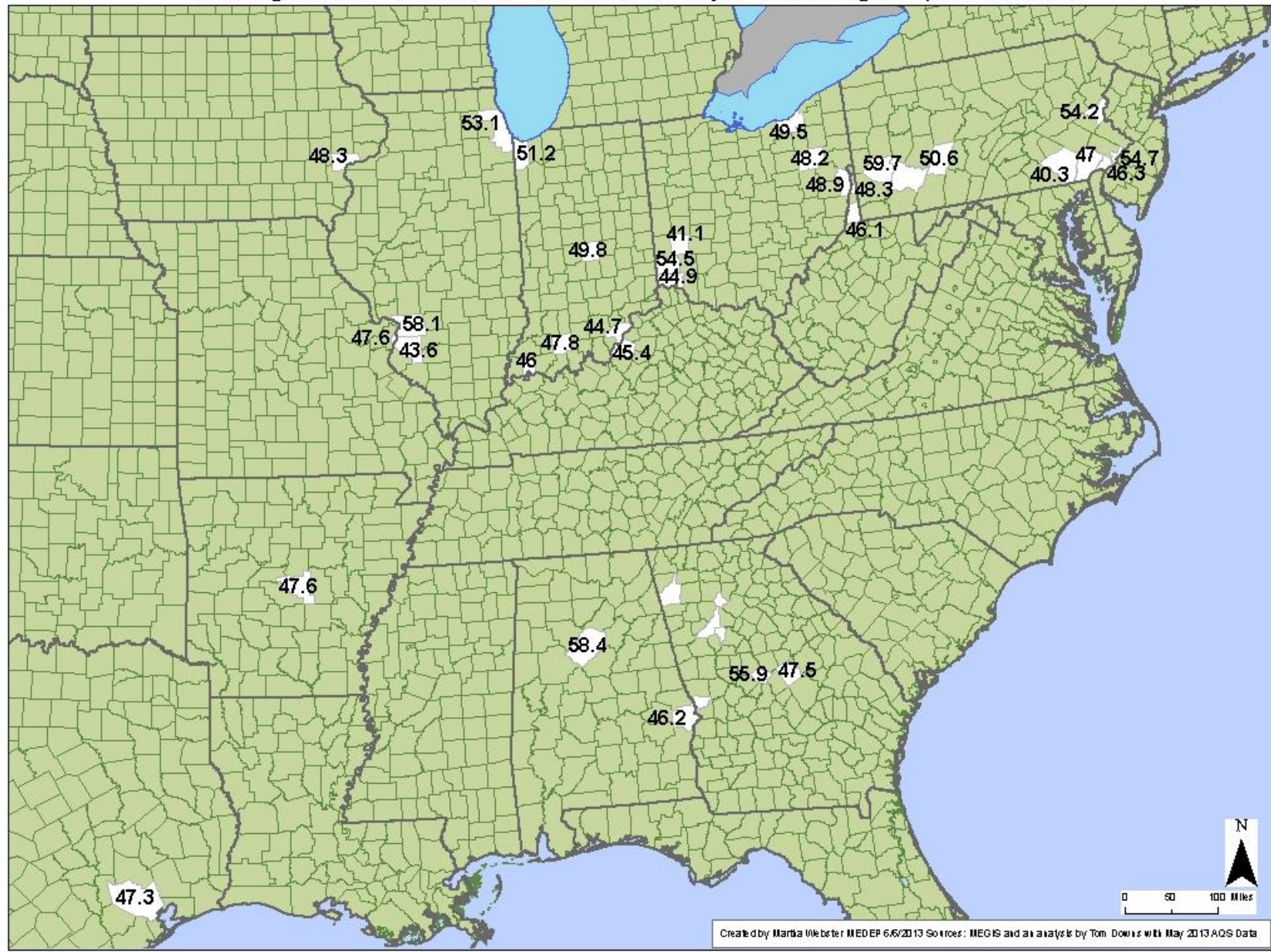


FIGURE D-6:

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

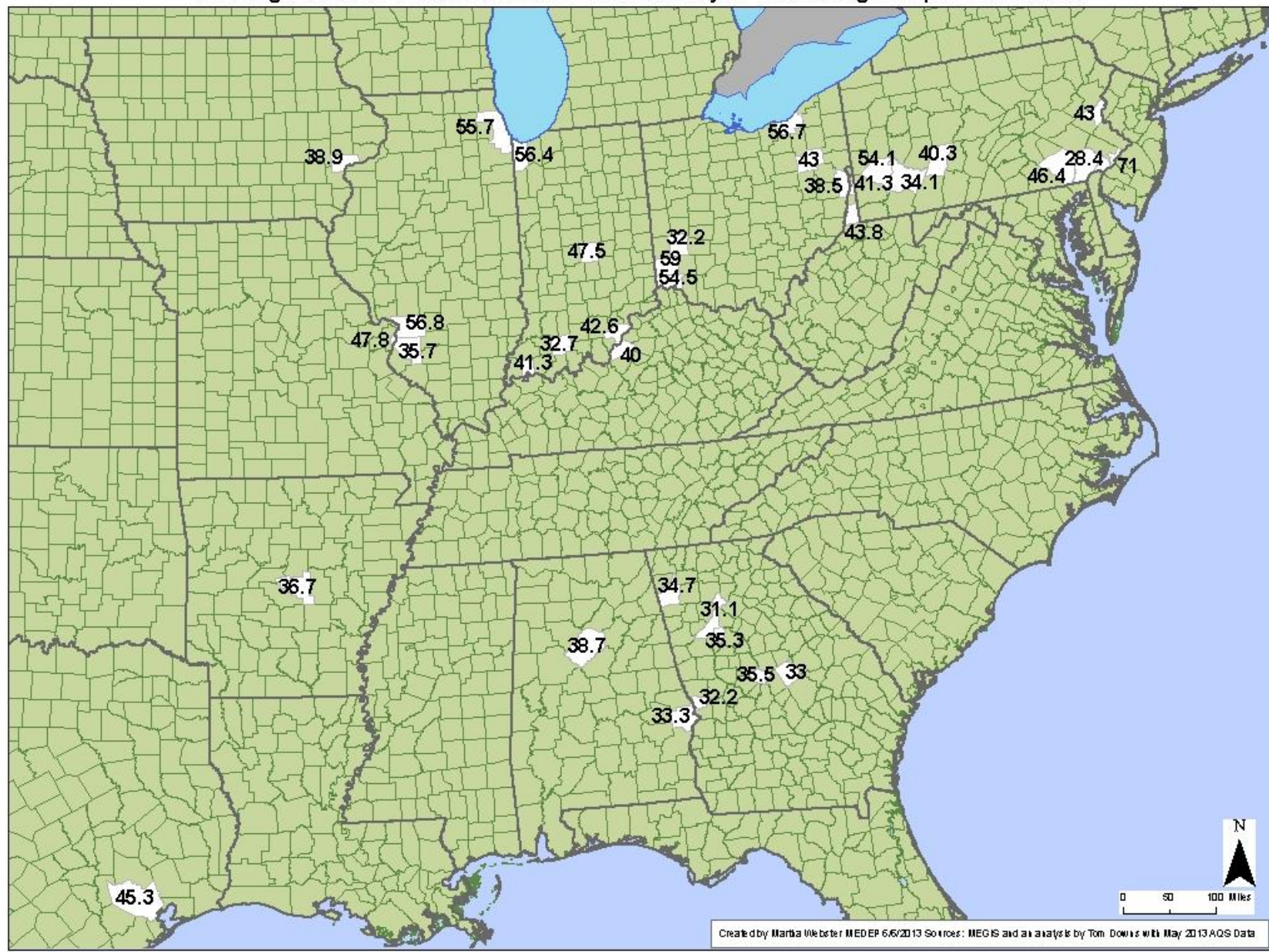


FIGURE D-7:

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

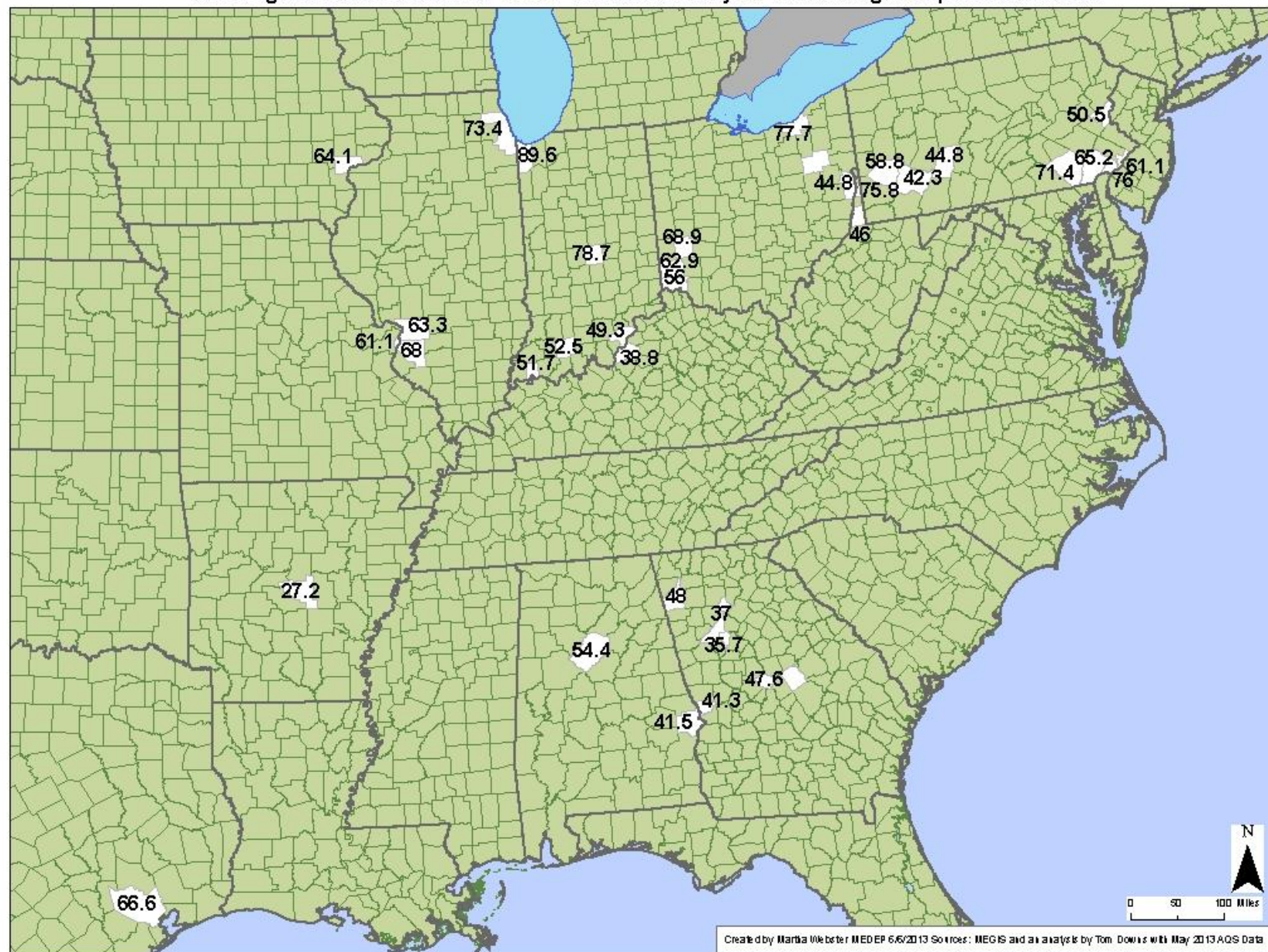


FIGURE D-8:

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

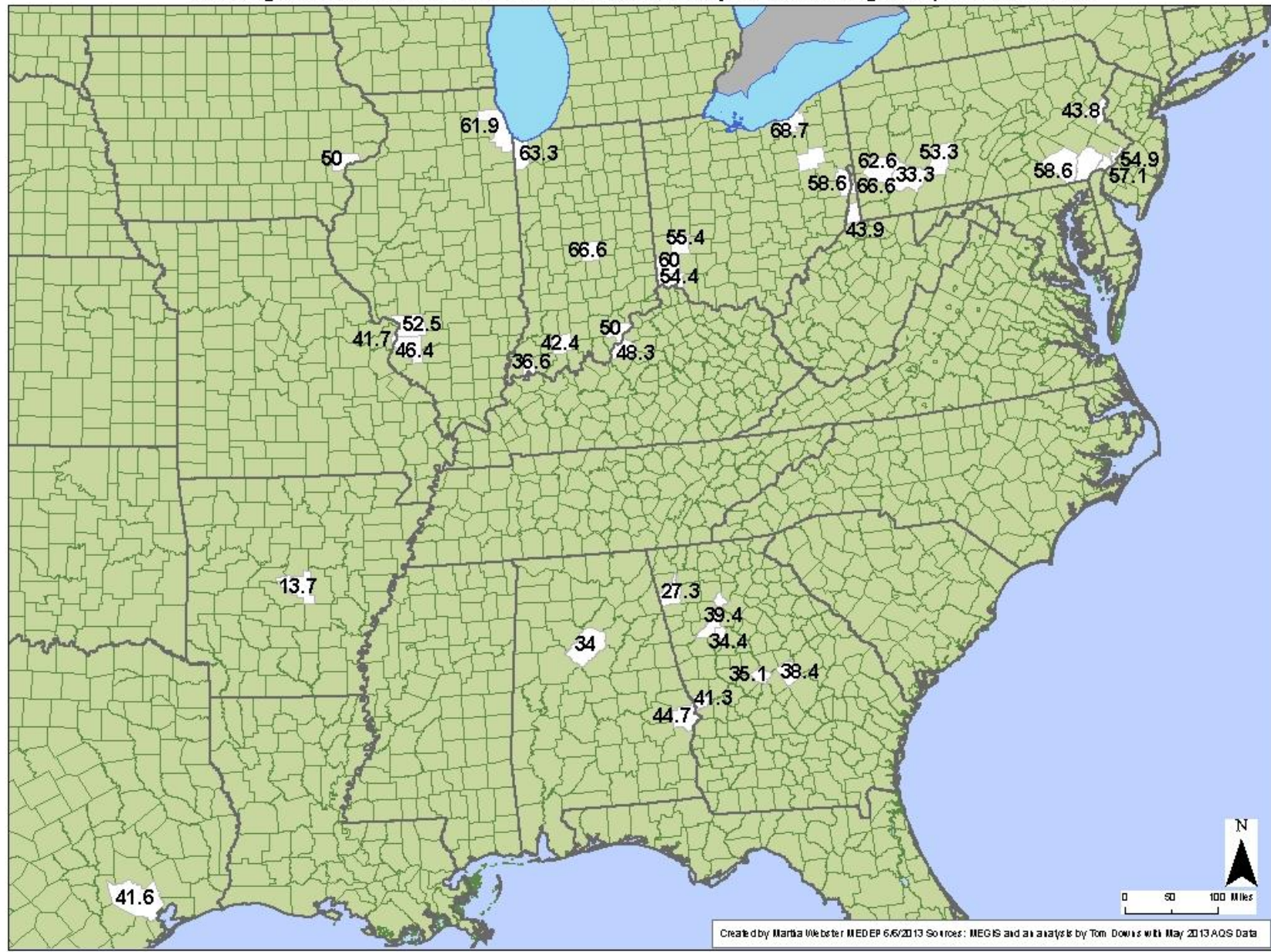


FIGURE D-9:

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

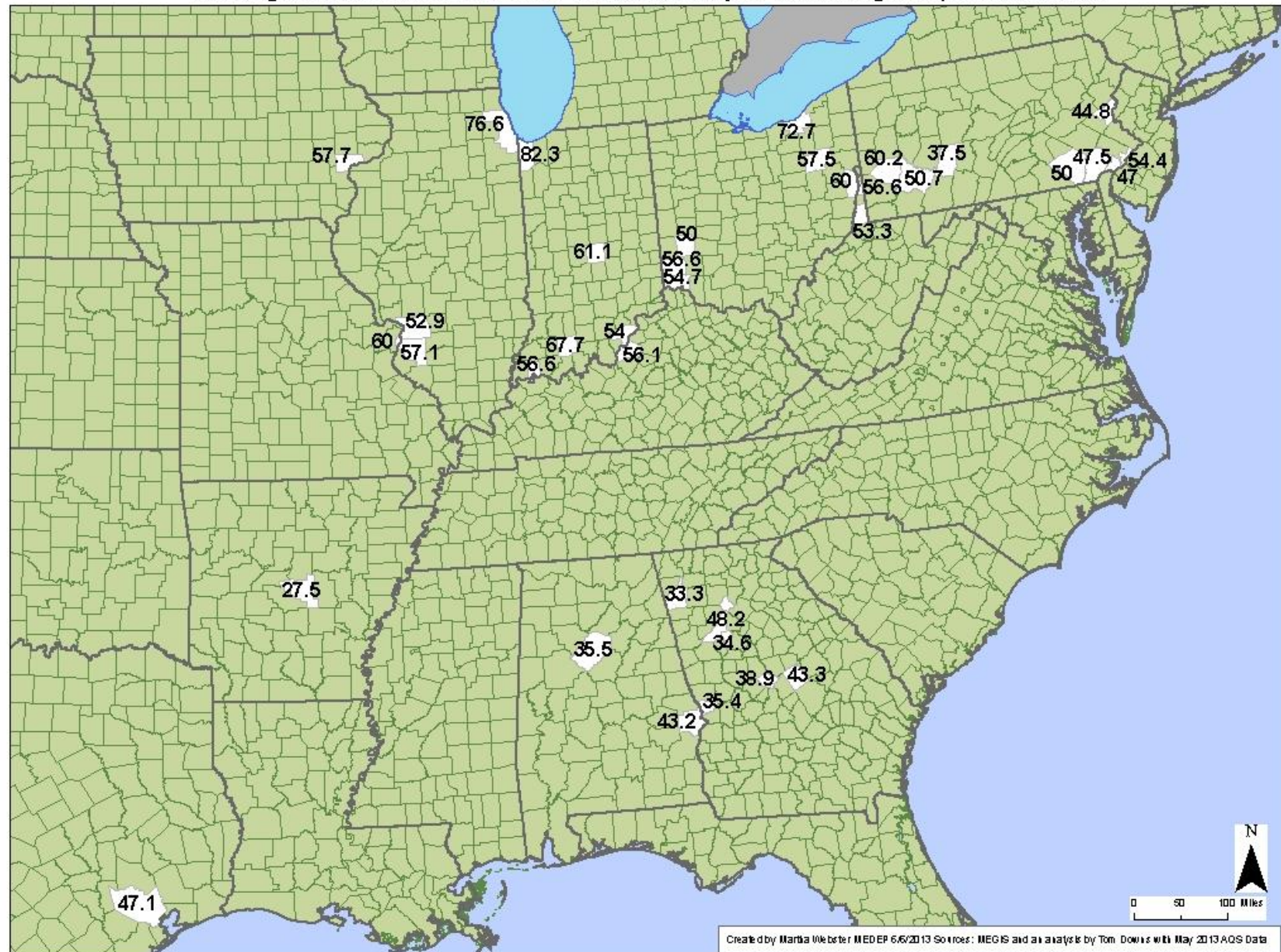


FIGURE D-10:

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

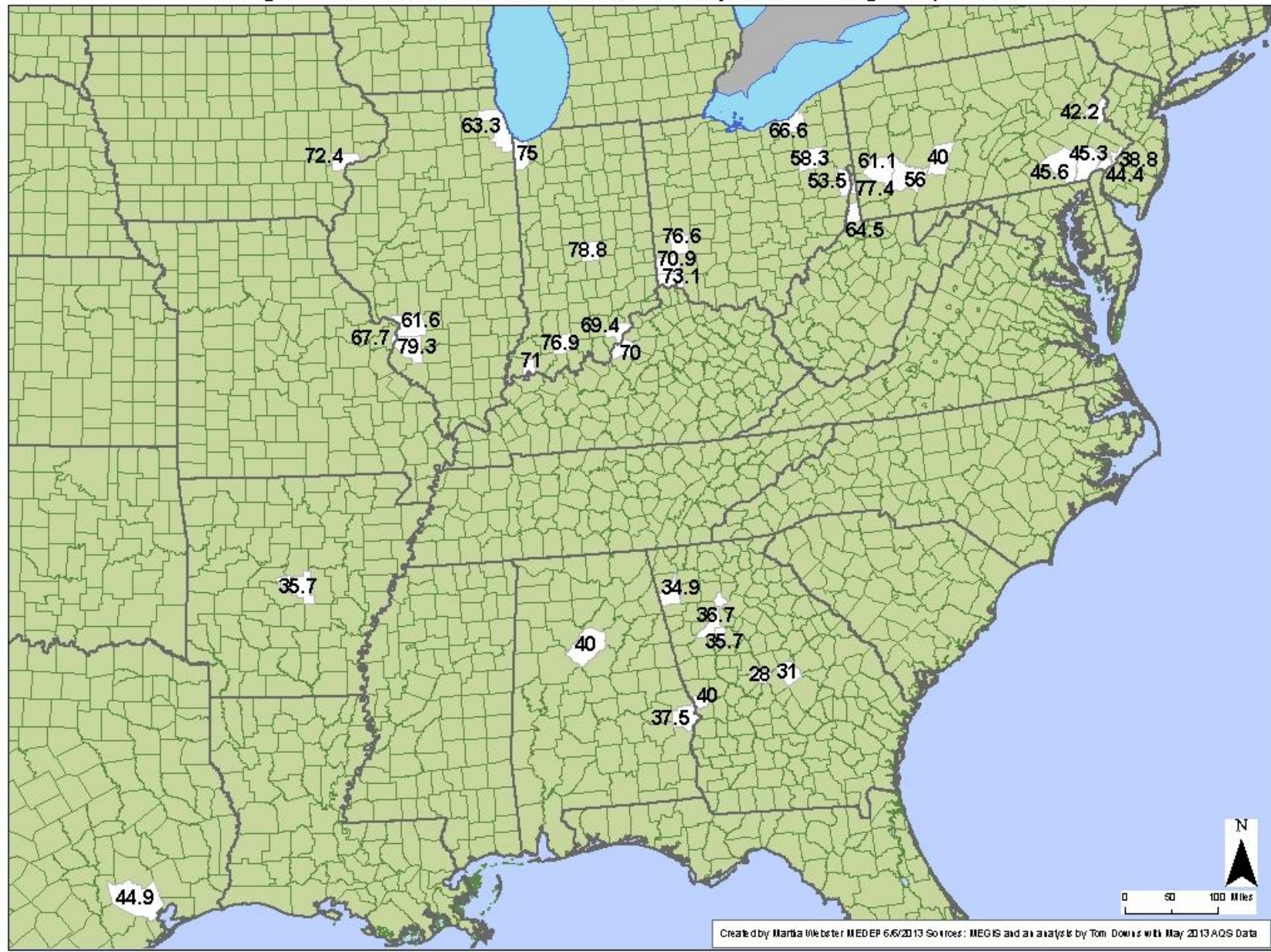


FIGURE D-11:

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

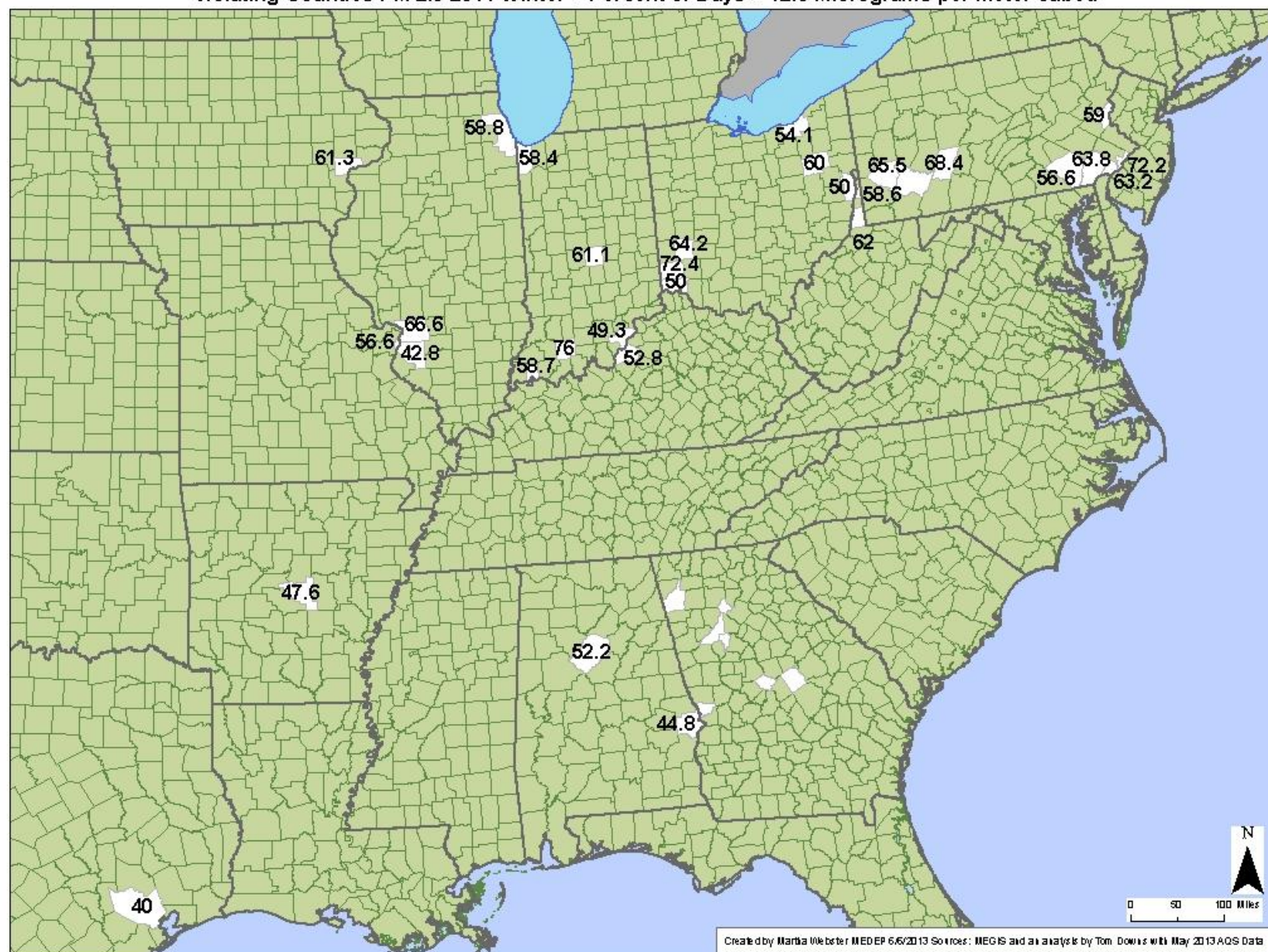


FIGURE D-12:

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

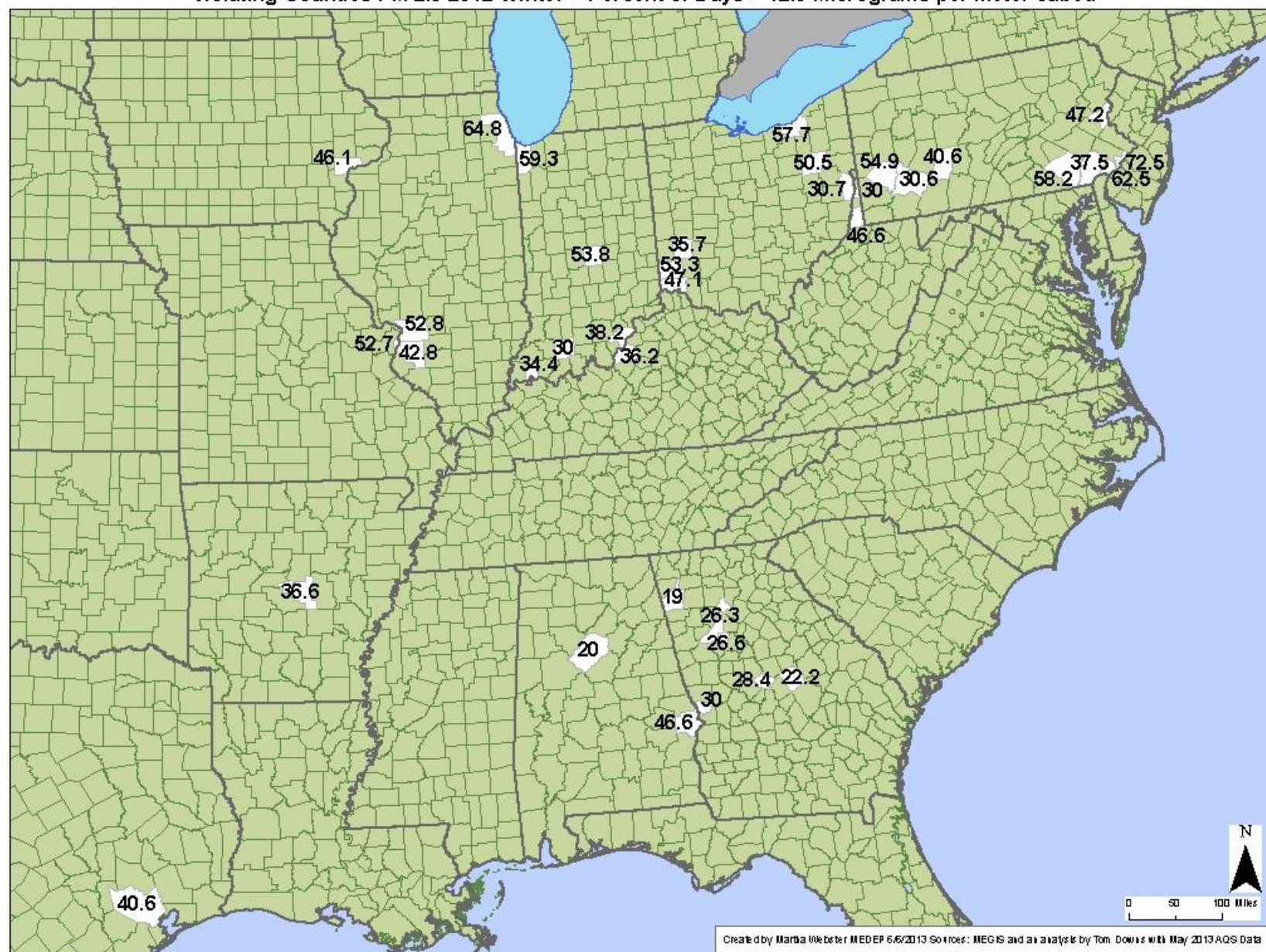


FIGURE D-13:

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

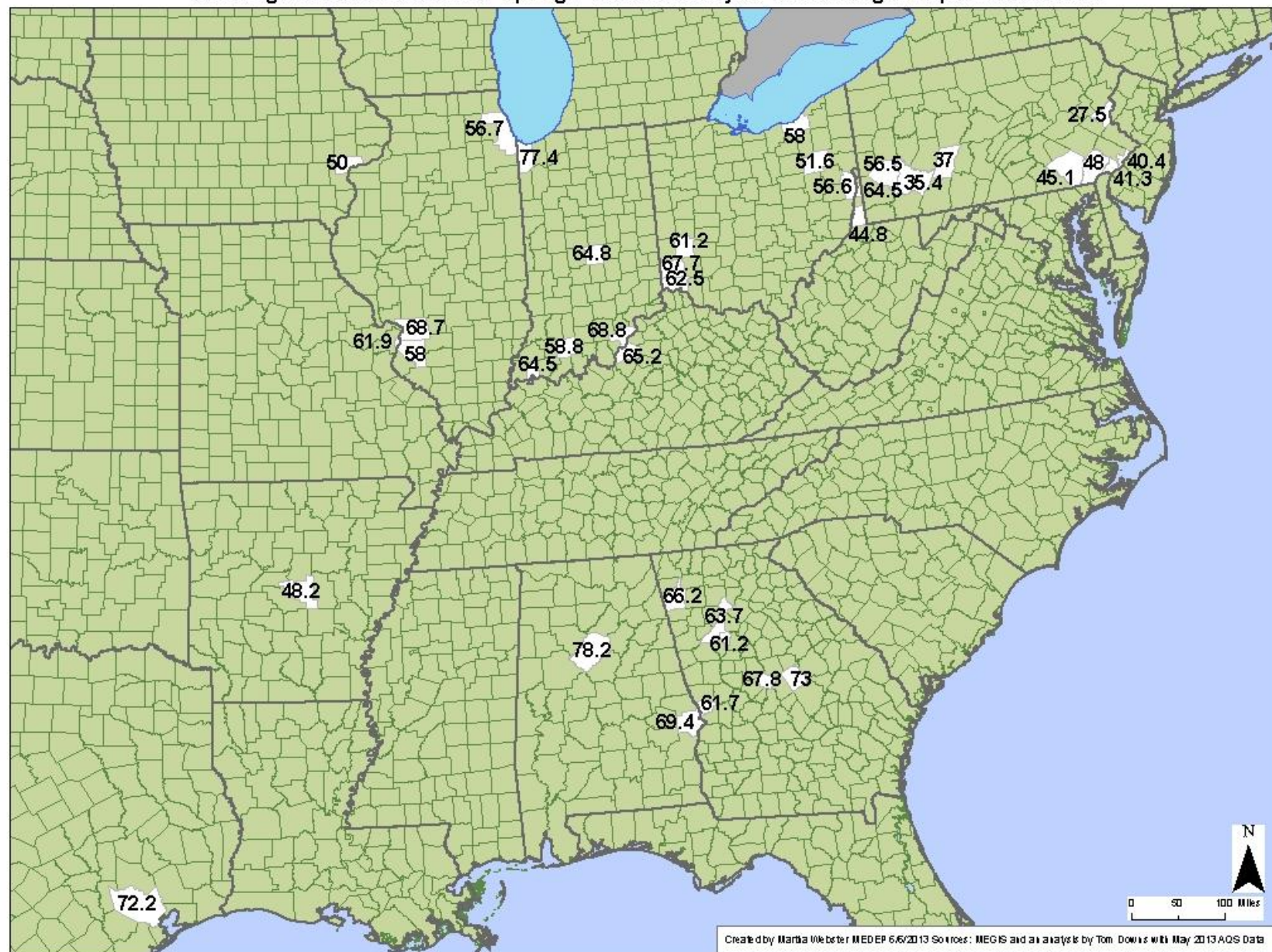


FIGURE D-14:

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

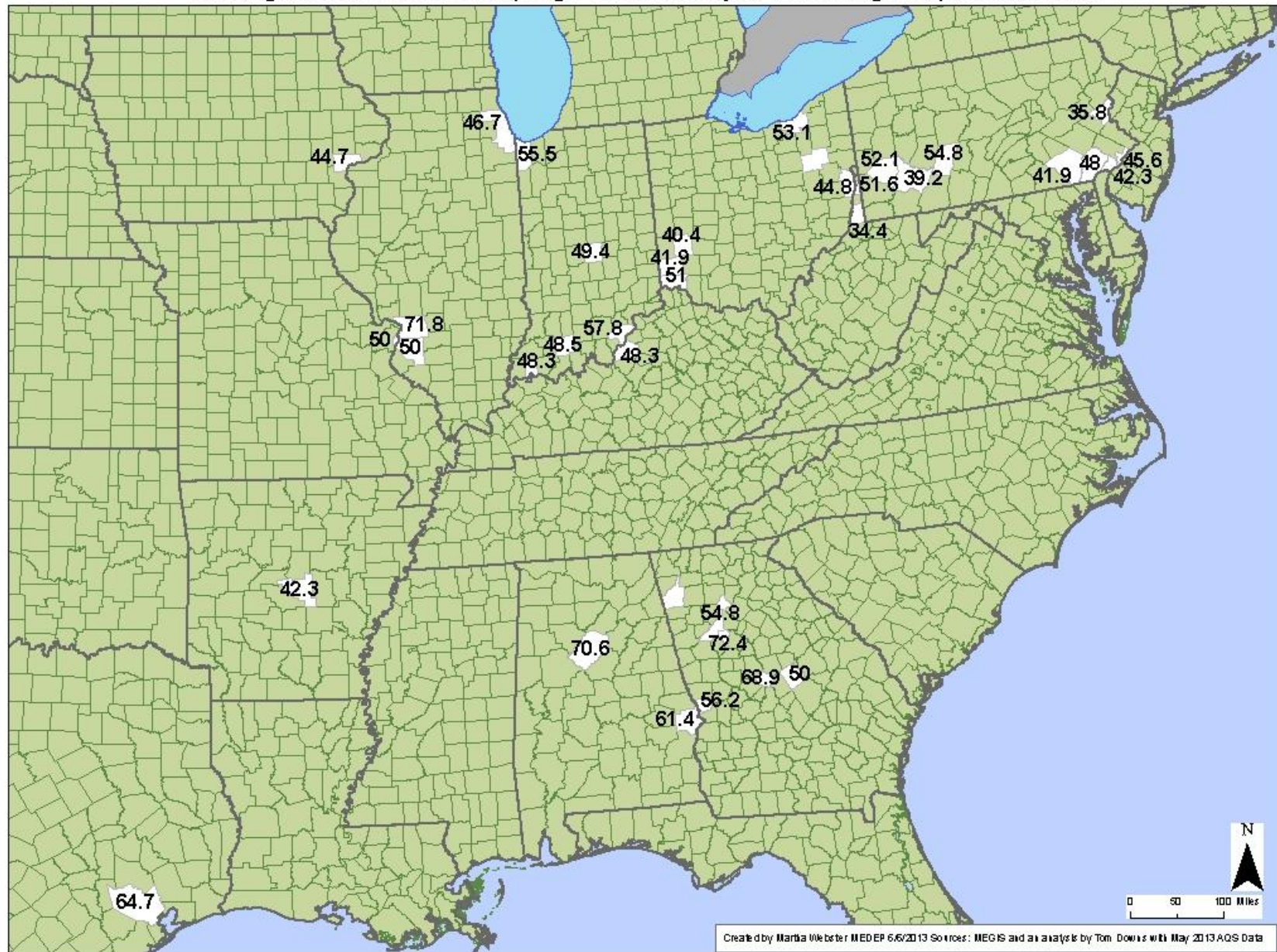


FIGURE D-15:

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

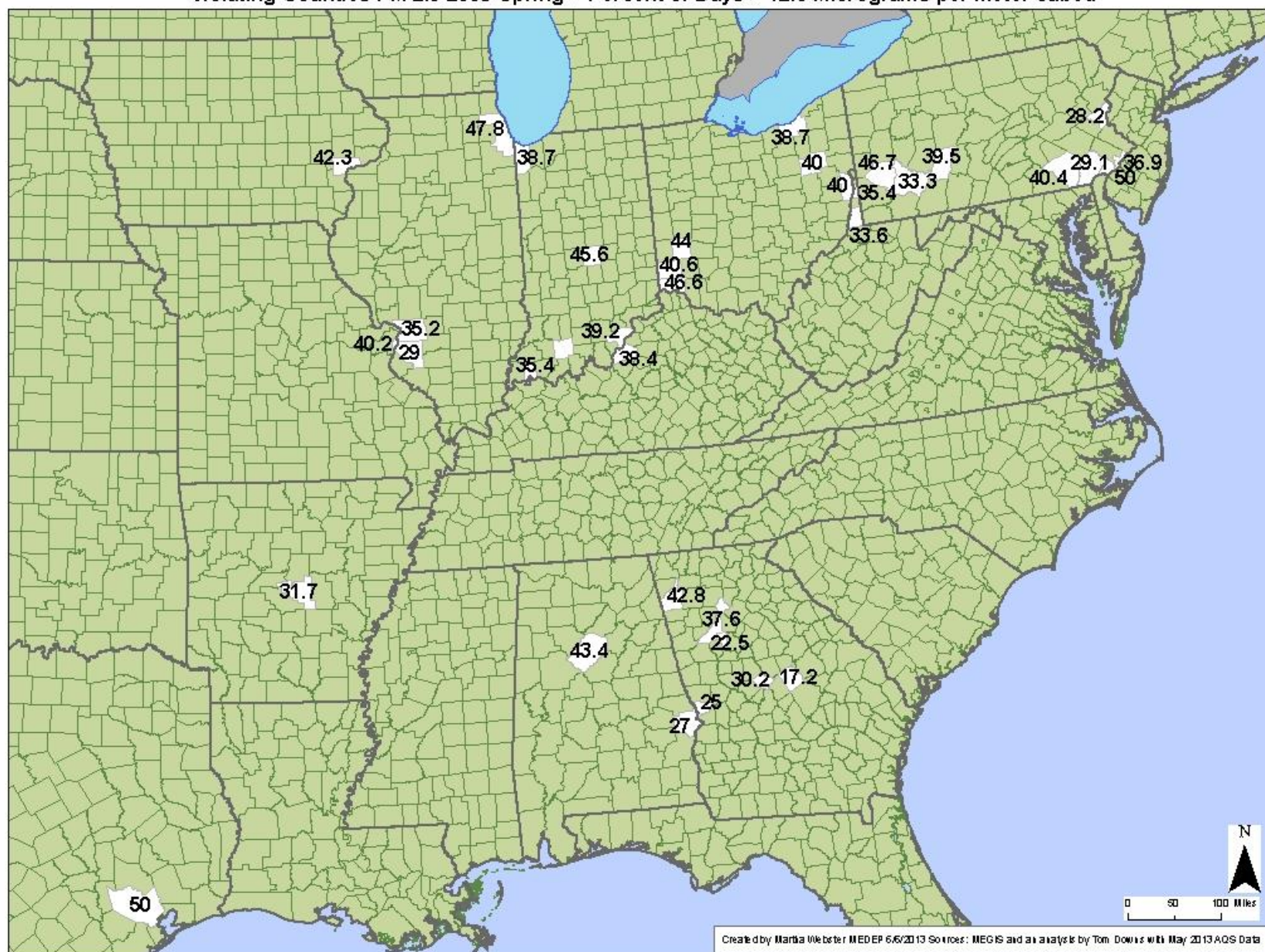


FIGURE D-16:

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

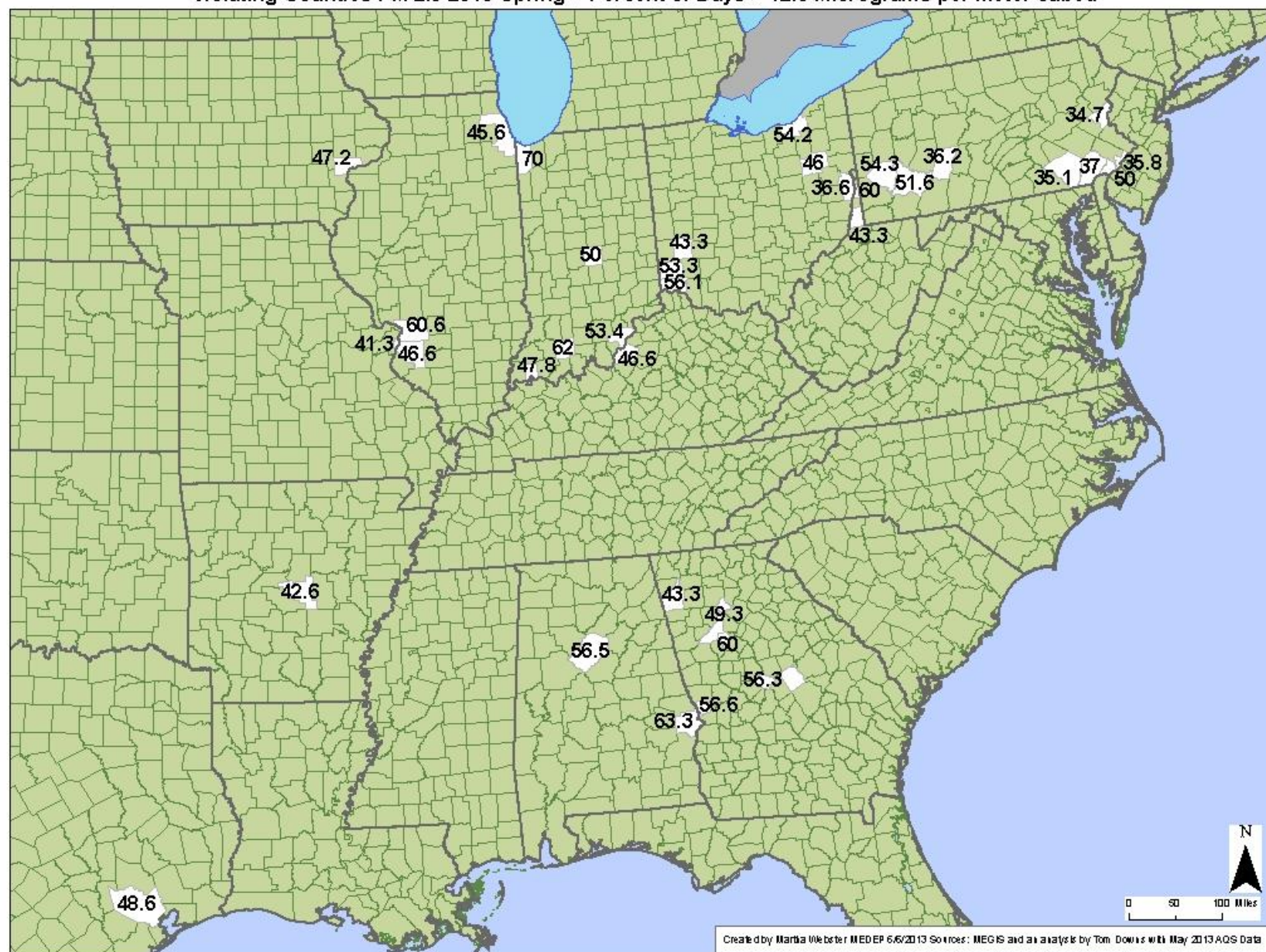


FIGURE D-17:

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

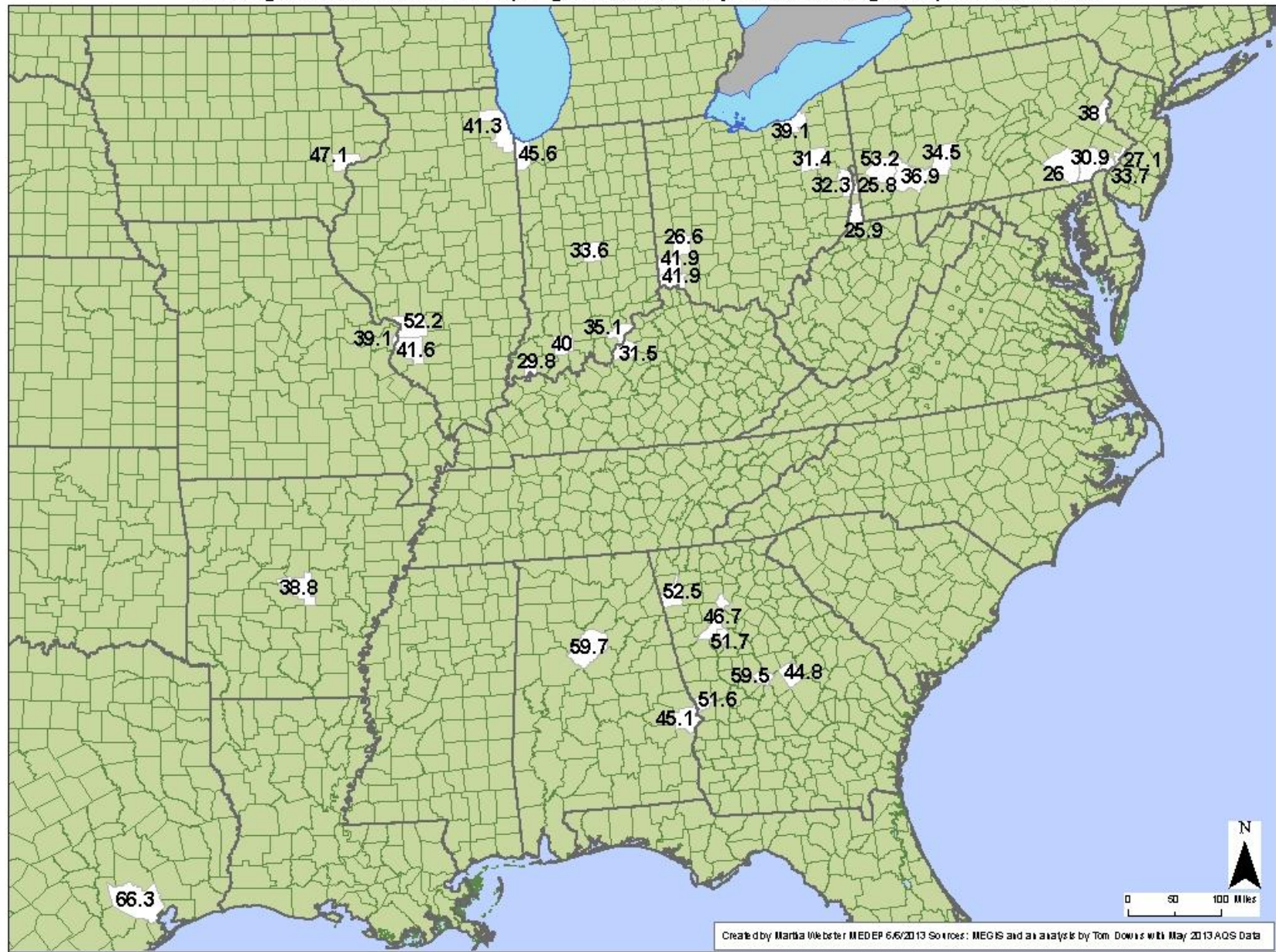
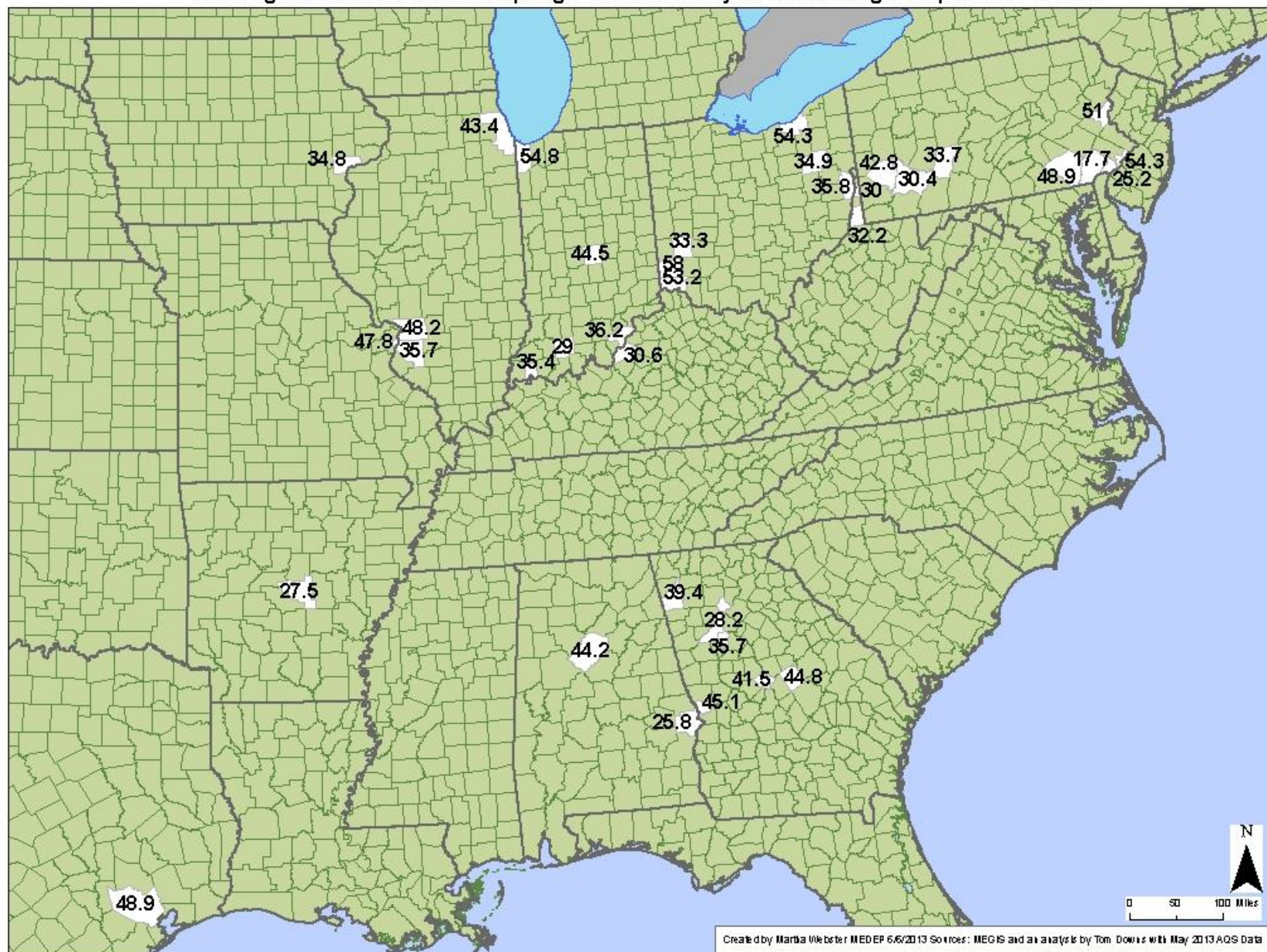


FIGURE D-18:

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



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



FIGURE D-20:

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

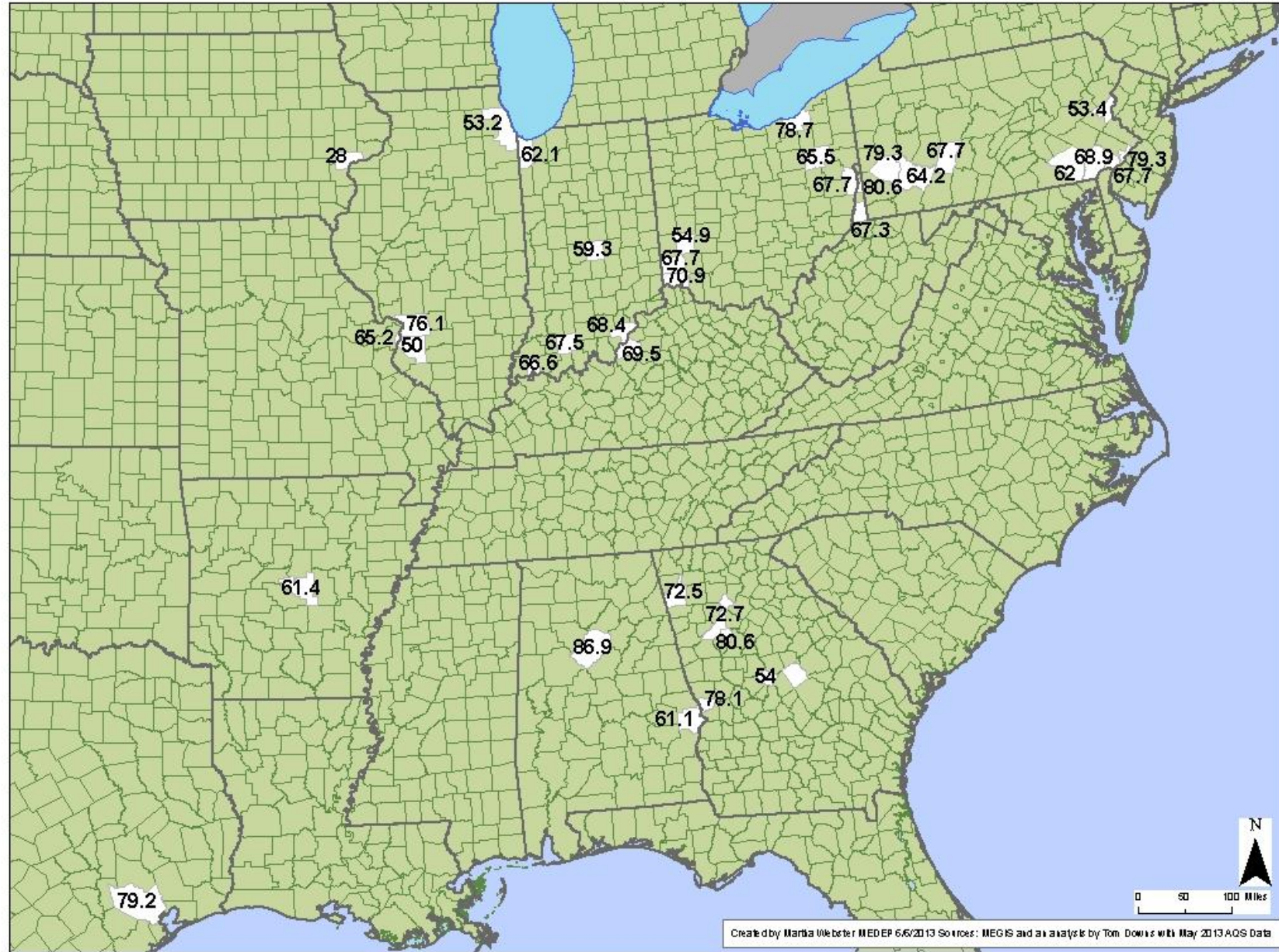


FIGURE D-21:
Violating Counties PM 2.5 2009 Summer - Percent of Days > 12.0 Micrograms per meter cubed

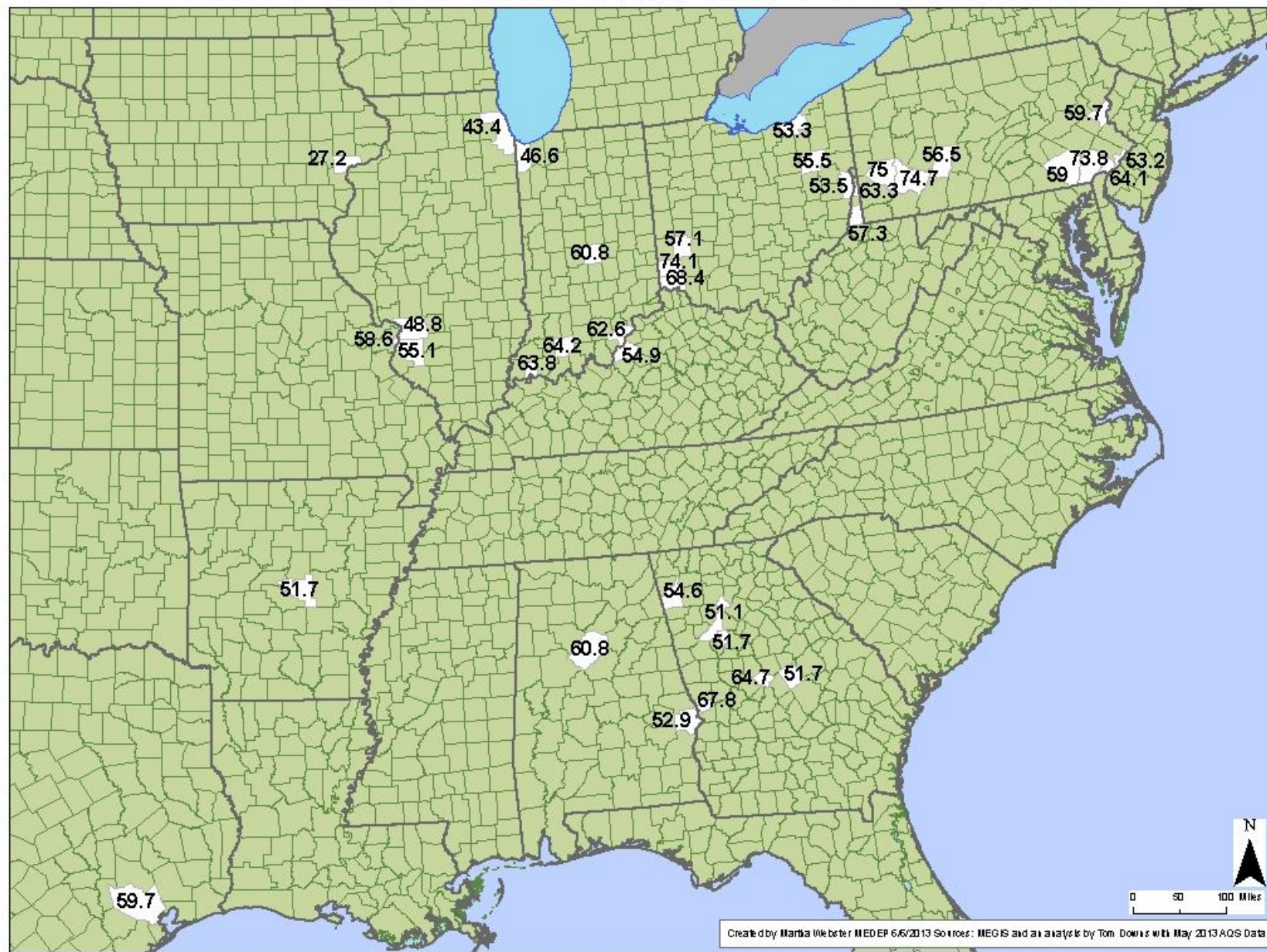


FIGURE D-22:

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

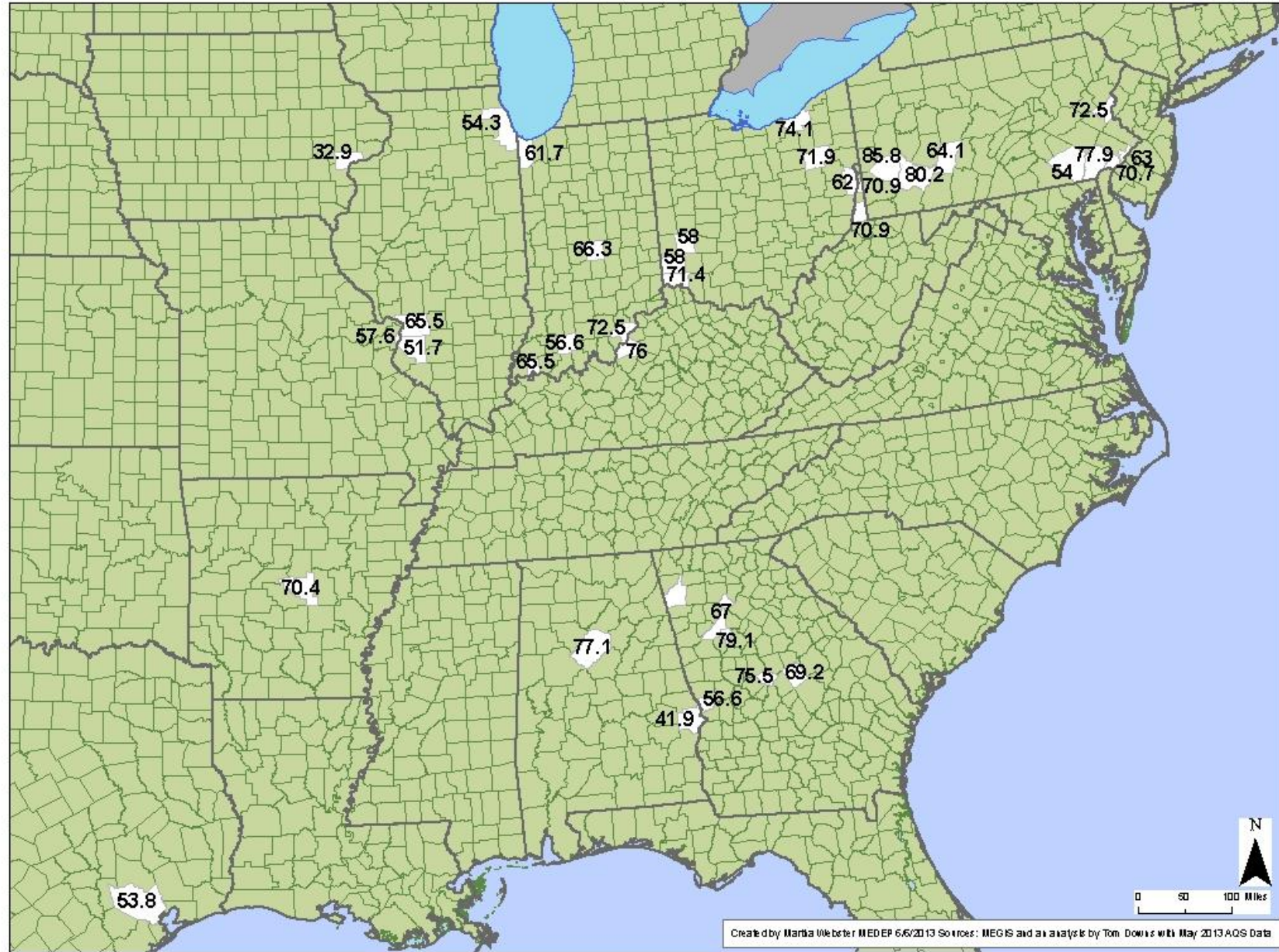


FIGURE D-23:

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

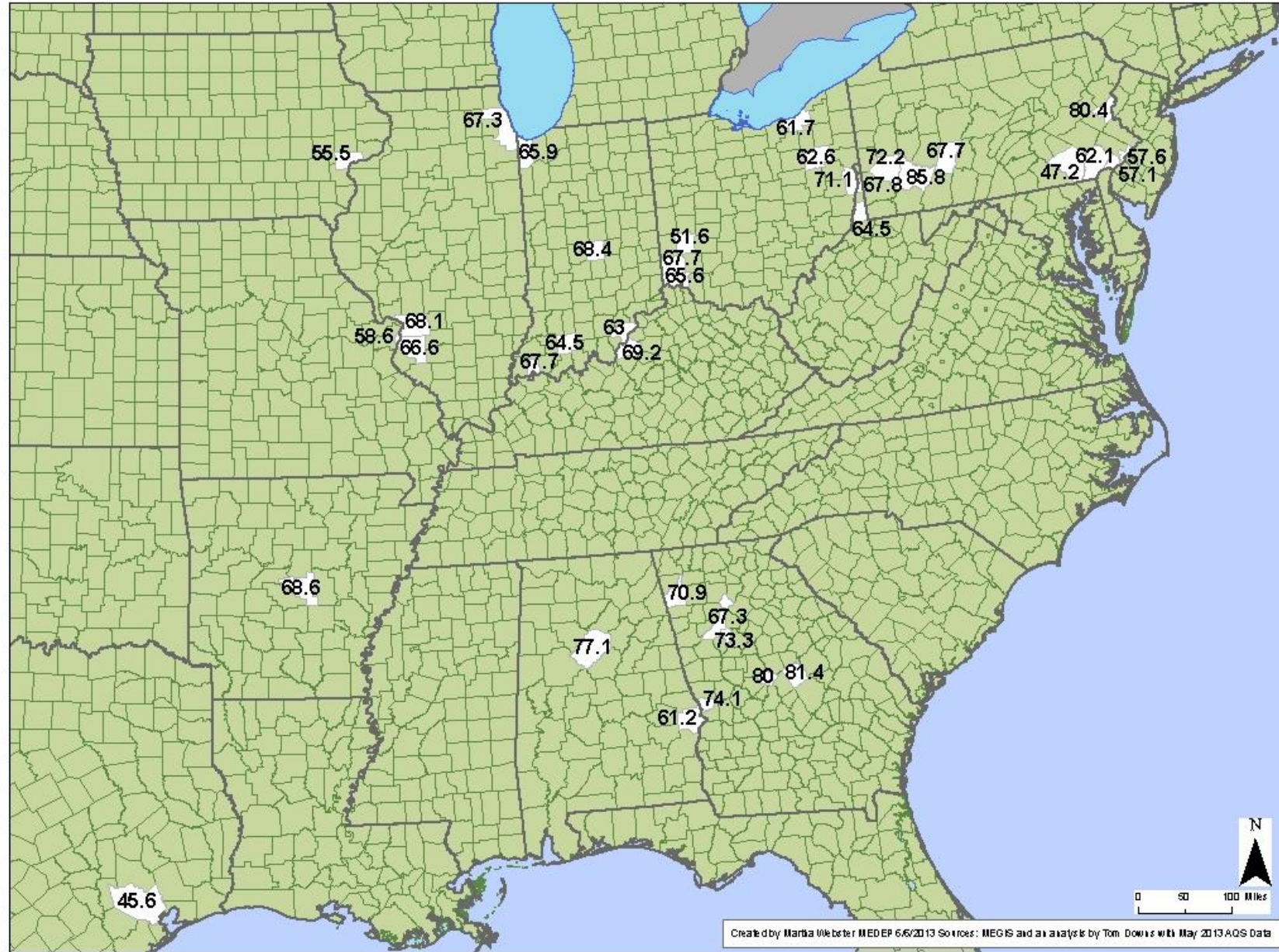
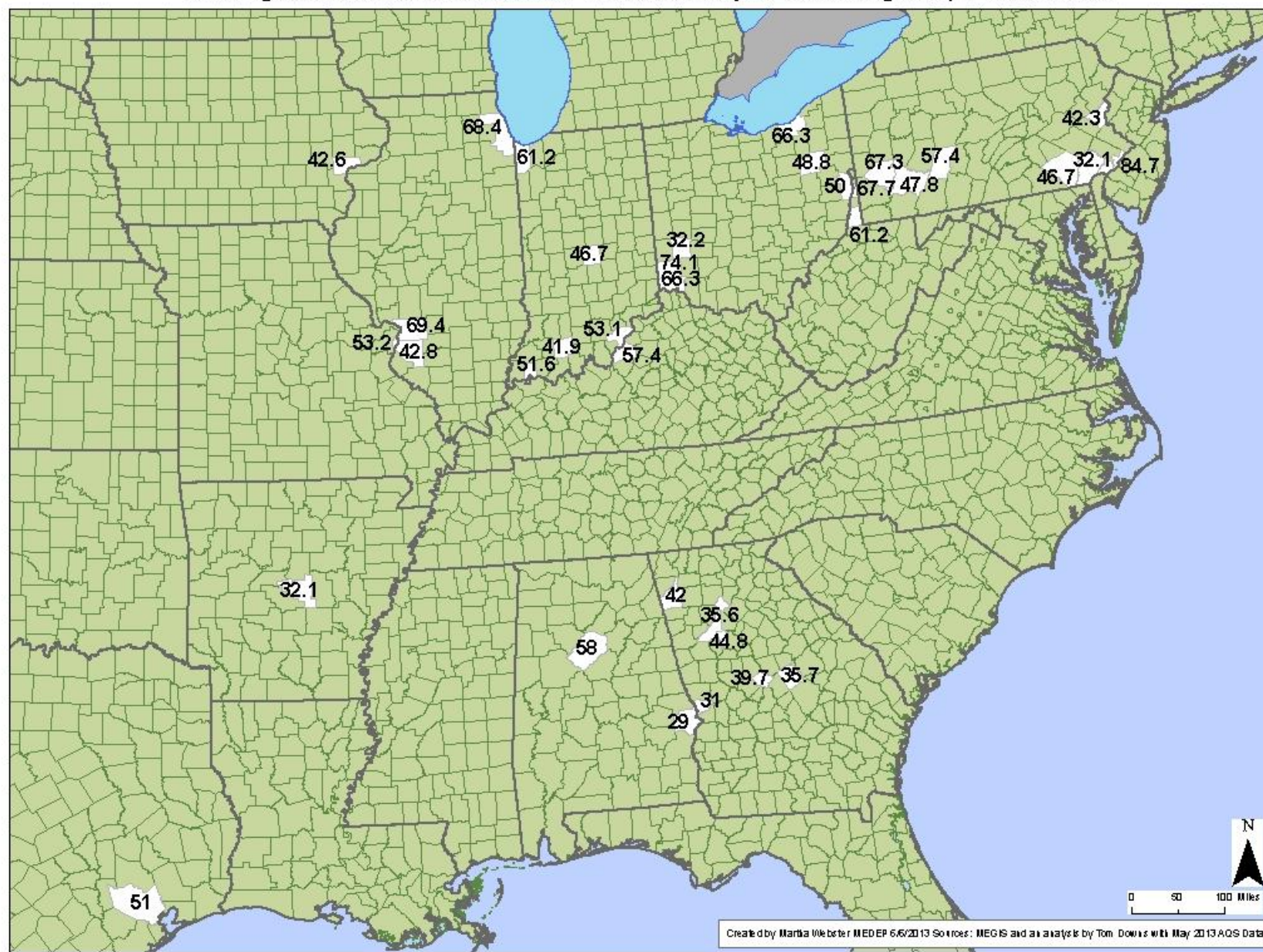


FIGURE D-24:

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



Map of the Eastern United States showing ozone levels in parts per billion (ppb) by county for May 2013. The map covers Virginia, North Carolina, South Carolina, and parts of West Virginia, Kentucky, Tennessee, and Georgia. Ozone levels are indicated by numbers within white boxes placed over specific counties. A scale bar (0 to 100 miles) and a north arrow are located in the bottom right corner. A legend at the bottom center states: "Created by Marla Webster MED-EP 6/7/2013 Sources: MEGIS and an analysis by Tom Downs with May 2013 AQ5 Data".

FIGURE D-27:

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

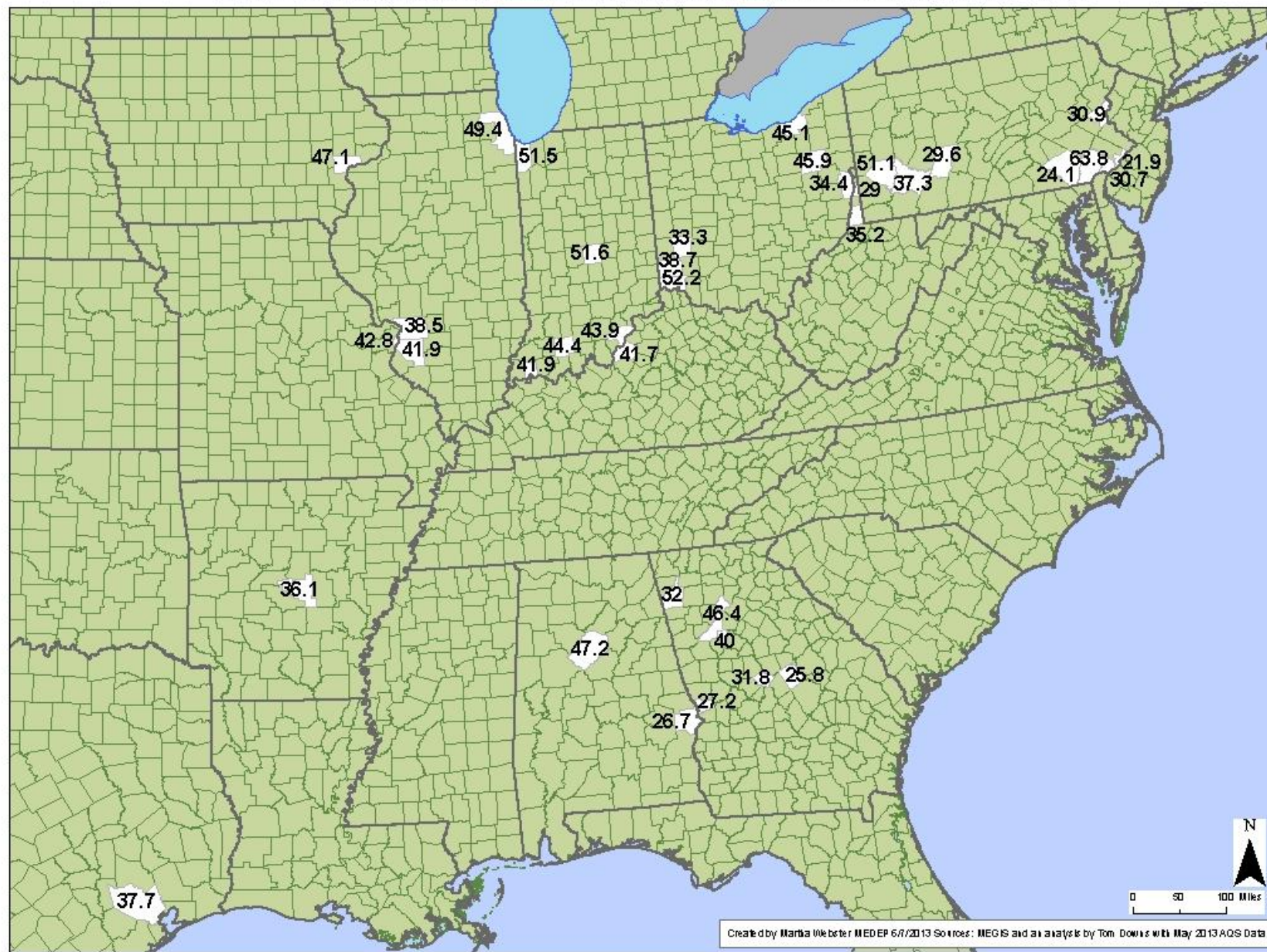


FIGURE D-28:

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

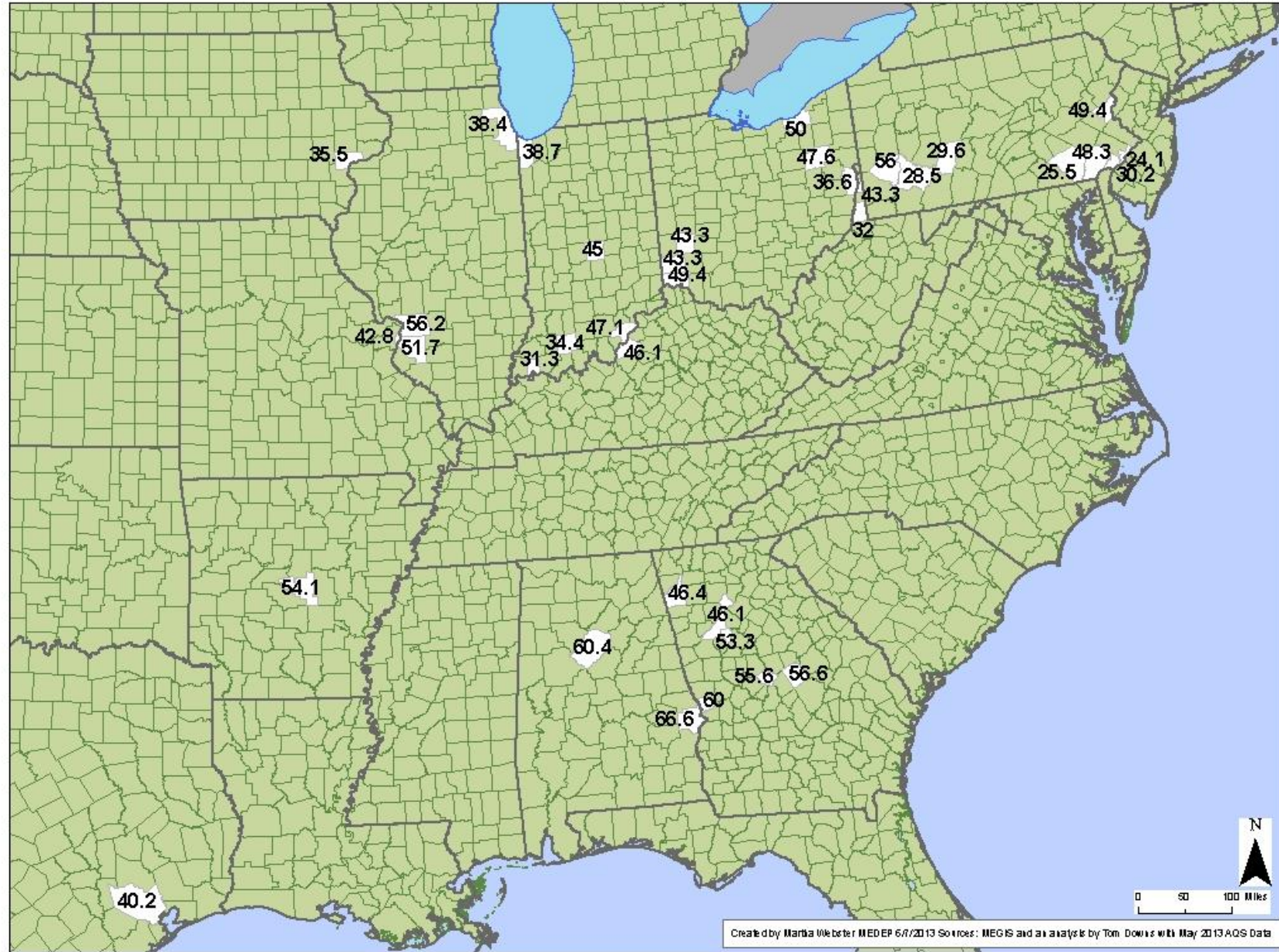


FIGURE D-29:

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

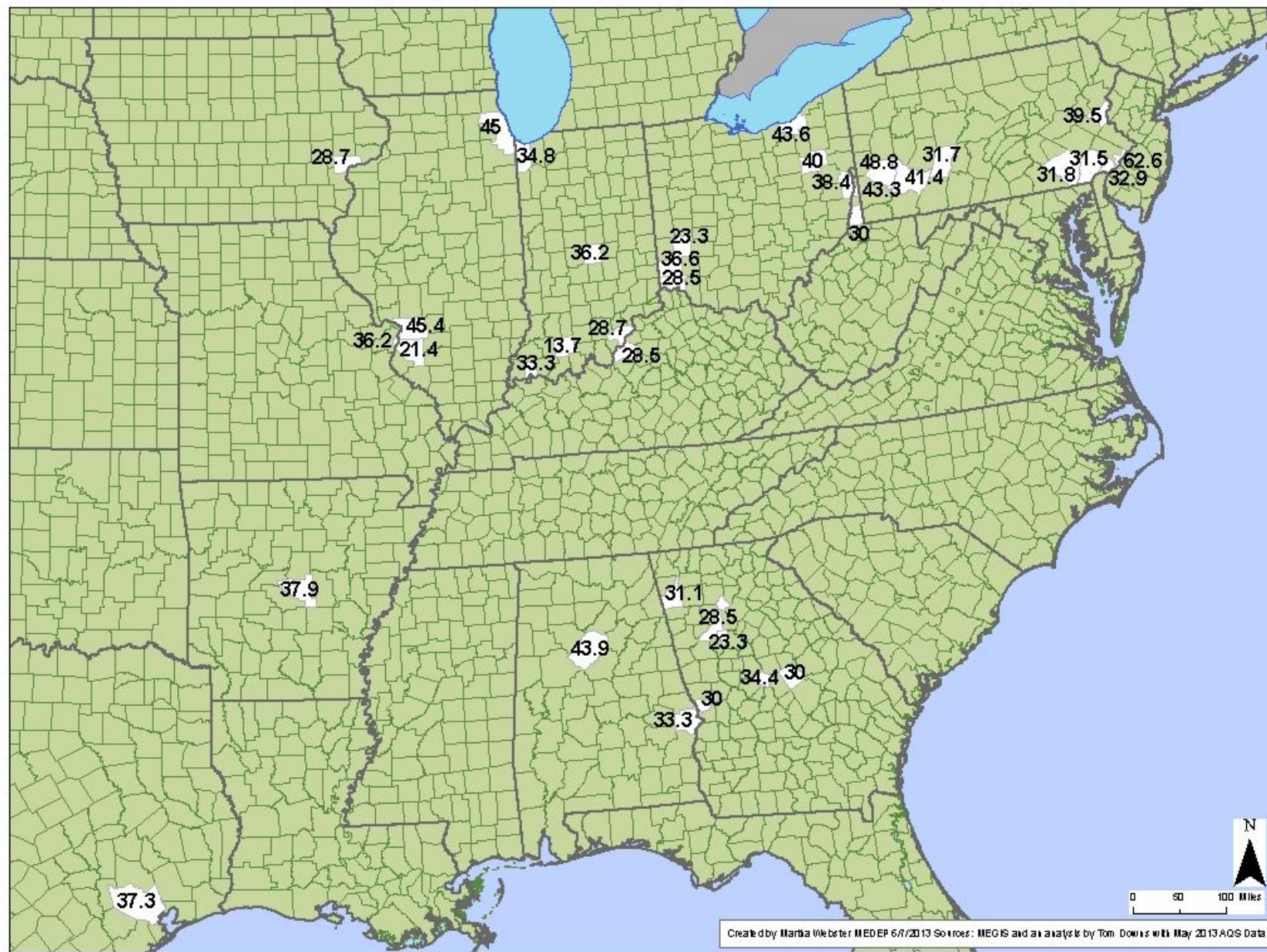


FIGURE D-30:

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

