

# **Proposed Standards And What To Expect Next**

**Edward Doty  
Air and Radiation Division  
USEPA, Region 5**

# Topics To Be Covered

- **Ozone Standard History**
- **The Proposed Ozone Standards**
- **Areas With High Ozone Levels And Possible Ozone Standards**
- **Next Steps/Actions**
- **Area Classifications**
- **New Nitrogen Dioxide Standard - Preliminary Remarks**

# Ozone Standard History

**1-Hour Oxidant Standard at 80 parts per billion (ppb)**

**1-Hour Ozone Standard at 120 ppb**

**8-Hour Ozone Standard at 80 ppb**

**D.C. Circuit Court Remands 8-Hour Ozone Standard To EPA**

**U.S. Supreme Court Upholds 8-Hour Ozone Standard**

**8-Hour Ozone Nonattainment Areas Designated**

**8-Hour Ozone Standard at 75 ppb**

**EPA Reconsiders 75 ppb 8-Hour Ozone Standard -- Commences**

**To Complete New Designations By March 12, 2011**

**EPA Proposes New 8-Hour Ozone Standard Range and  
Secondary Ozone Standard**

# **The Proposed Ozone Standards**

**Proposed On January 19, 2010 -- 75 FR 2938**

**60 Day Comment Period -- Closes on March 22, 2010**

**Primary and Secondary Standards**

**Three Public Hearings -- February 2-3, 2010**

- **Arlington, VA; Houston, TX; Sacramento, CA**

# **Proposed Ozone Standards Primary Standard**

- **Human Health Based**
- **60-70 ppb**
- **8-Hour Average**
- **3-Year Average of Annual 4th-High Daily Maximum 8-Hour Ozone Concentrations**

# **The Proposed Ozone Standards Secondary Standard**

**Human/Environment Welfare Based**

**W126 Standard**

**Cumulative Seasonal Exposure**

**3-Year Average of Annual Exposure Indexes**

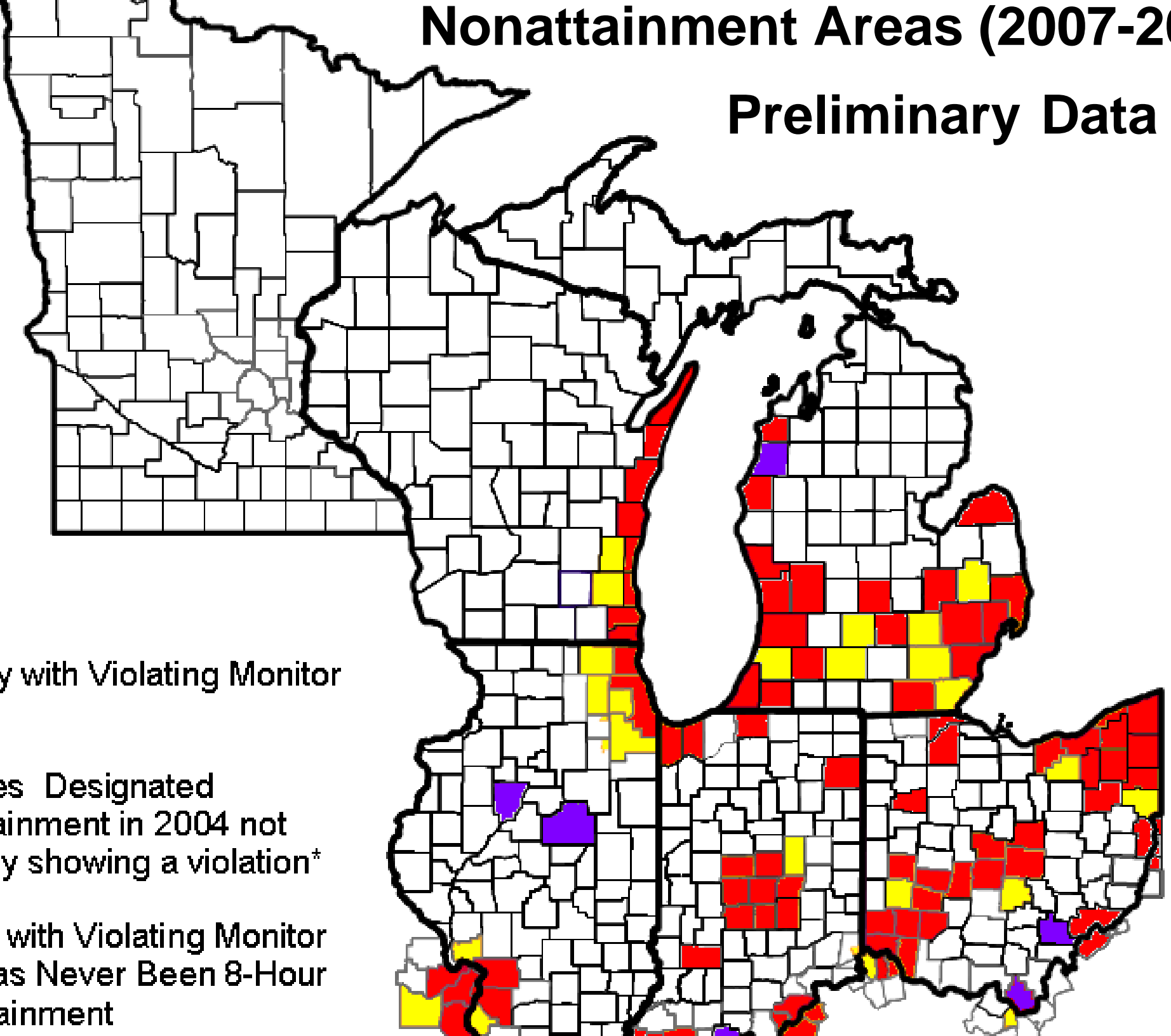
**Annual Index of the Sum of Weighted Hourly Concentrations  
Cumulated Over 12 Hours (8 am to 8 pm) Per Day During the  
Consecutive 3 Months With the Highest Summed Monthly Indexes  
During the Ozone Season**

**Proposed Range -- 7-15 ppm-hours**



# Nonattainment Areas (2007-2009)

## Preliminary Data



County with Violating Monitor

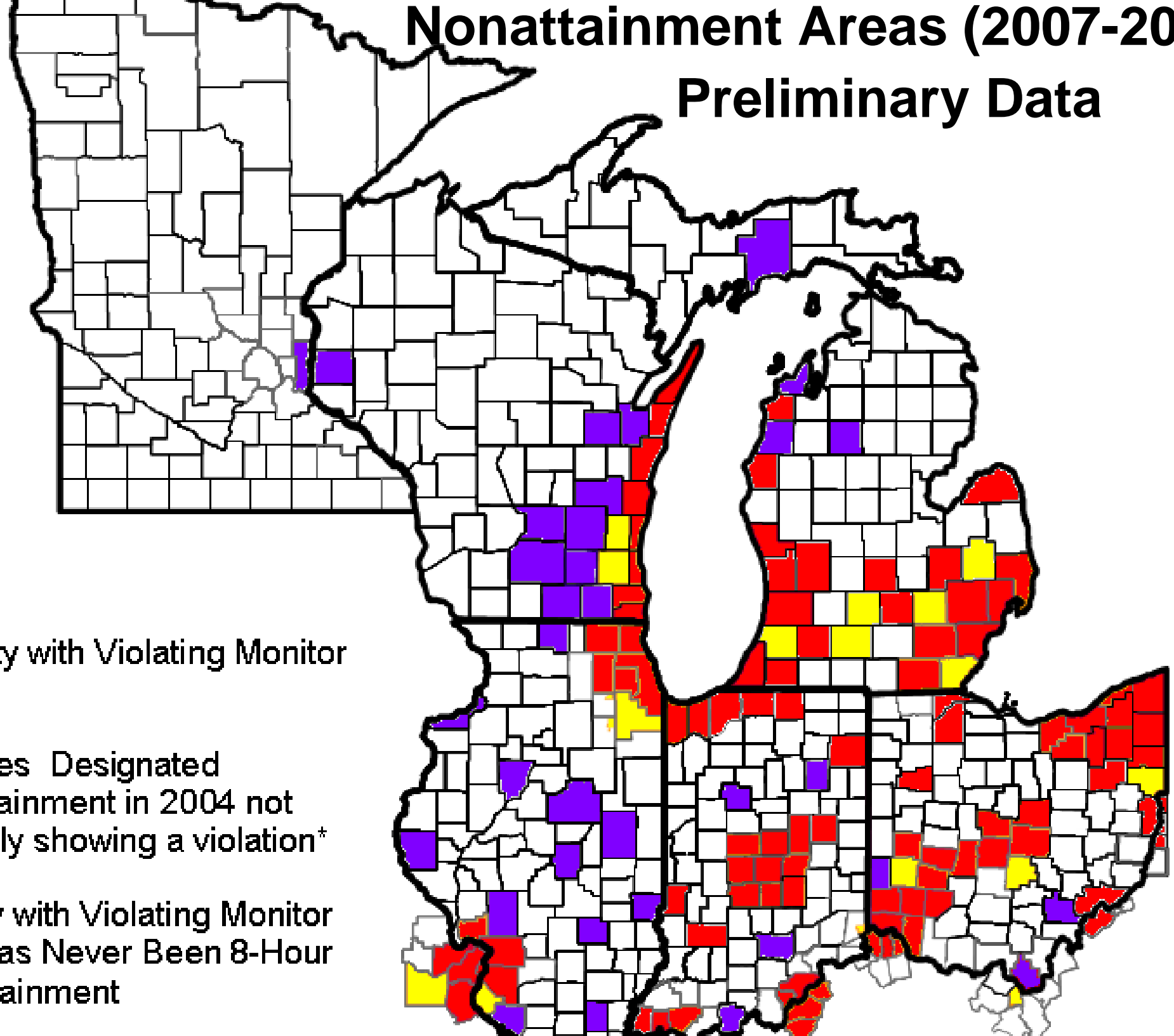
Counties Designated  
Nonattainment in 2004 not  
currently showing a violation\*

County with Violating Monitor  
that Has Never Been 8-Hour  
Nonattainment



# Nonattainment Areas (2007-2009)

## Preliminary Data



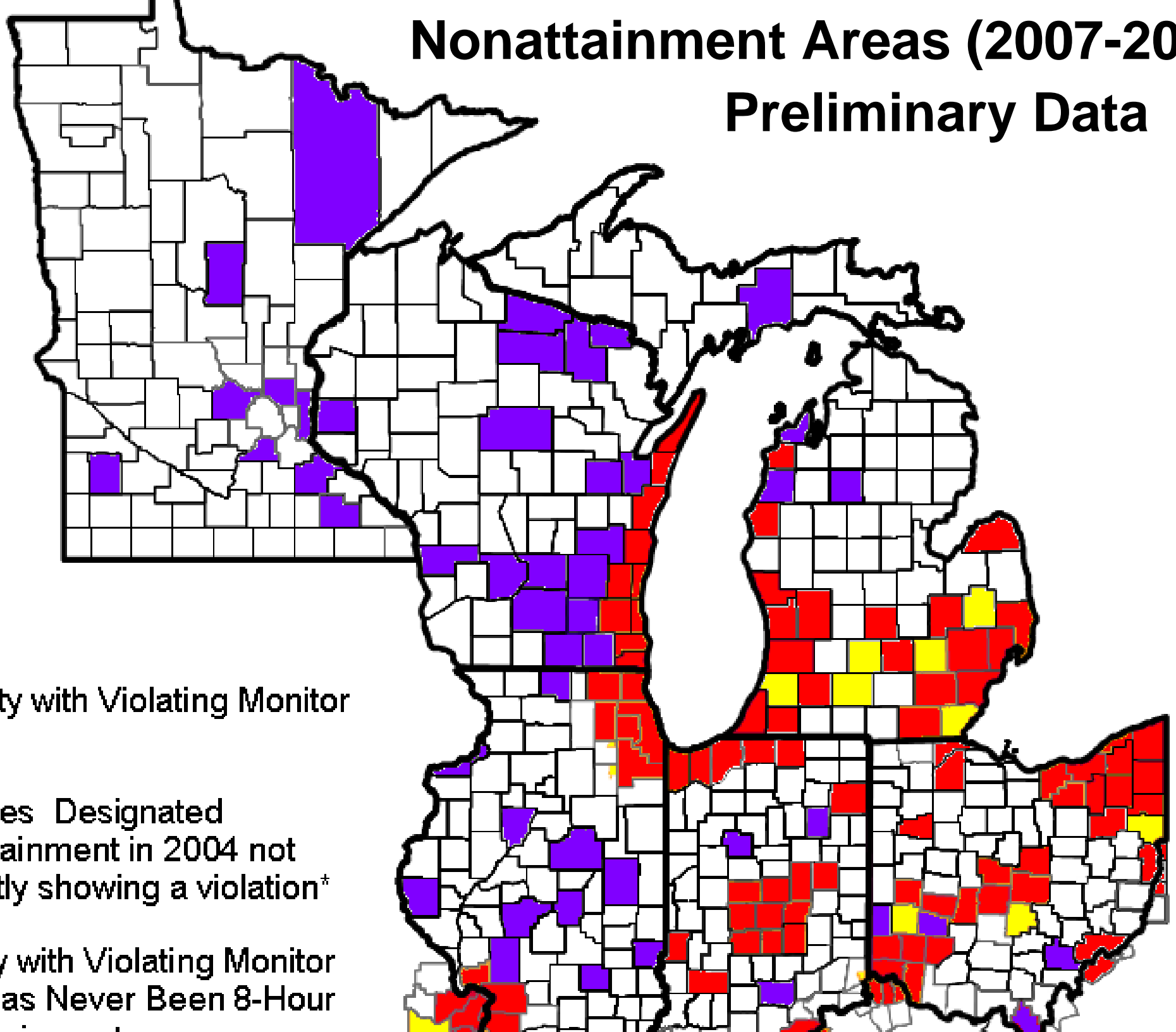
County with Violating Monitor

Counties Designated  
Nonattainment in 2004 not  
currently showing a violation\*

County with Violating Monitor  
That Has Never Been 8-Hour  
Nonattainment



# Nonattainment Areas (2007-2009) of Preliminary Data



County with Violating Monitor

Counties Designated  
Nonattainment in 2004 not  
currently showing a violation\*

County with Violating Monitor  
that Has Never Been 8-Hour

# Next Steps/Actions

- March, 2010** EPA Proposes Ozone Implementation Policy
- March, 2010** Comment Period for Proposed Ozone Standards End
- August, 2010** EPA Finalizes Adoption of the Ozone Standards
- January, 2011** States Recommend Area Designations and Boundaries
- March, 2011** EPA Sends 120 Day Letters With EPA-Proposed Ozone Designations -- States May Defend Further Modifications
- April, 2011** Area Designations Are Promulgated By EPA
- August, 2011** Area Designations Become Effective
- September, 2013** State Implementation Plans With Attainment Demonstrations Due To EPA
- 2014-2031** Areas Attain Primary Standard Depending On Area Classification

**Note: Designation of Secondary Standard Nonattainment Areas May Be Delayed Until August 2012 Based On Final Standard Rulemaking**

# **Area Classifications**

**Section 181(a)(1) of the Clean Air Act Requires Area Classifications**

**Classifications Are Marginal, Moderate, Serious, Severe, Extreme**

**Attainment Deadline Determined By Classification**

**Marginal -- 3 Years**

**Moderate -- 6 Years**

**Serious -- 9 Years**

**Severe -- 15 Years**

**Extreme -- 20 Years**

**Classification Determines Minimum Area Control Requirements**

# **Area Classifications**

**Area Classification Approach Will Be Discussed In Implementation Policy Proposal In February-March, 2010**

**Classification Will Be Based Ozone Air Quality Cutpoints Or On Alternative Approach Discussed In Implementation Policy**

**Classifications Will Be Finalized For All Areas When Areas Are Designated In July, 2011**

# **Nitrogen Dioxide Standards**

**Revised Primary Standards Proposed -- July 15, 2009 (74 FR 34404)**

**Final Rule Signed and Announced -- January 22, 2010**

**Retained Primary Annual Standard -- 53 ppb**

**New Primary 1-Hour Standard -- 100 ppb**

**Interpreted As 3-Year Average of Annual Fourth Highest Daily Maximum 1-Hour Concentrations At Each Monitoring Site**

**The 1-Hour Nitrogen Dioxide Standard Is Violated At Only One Monitoring Site in Chicago**

**Additional Violating Monitoring Sites and Areas Are Expected When States Implement New Nitrogen Monitoring Requirements**