



Martin J. Chávez, Mayor



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# Ambient Air Quality in Bernalillo County

By  
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Air Quality Division

Presentation at the June 10, 2009  
A/B AQCB Meeting



# Network Design

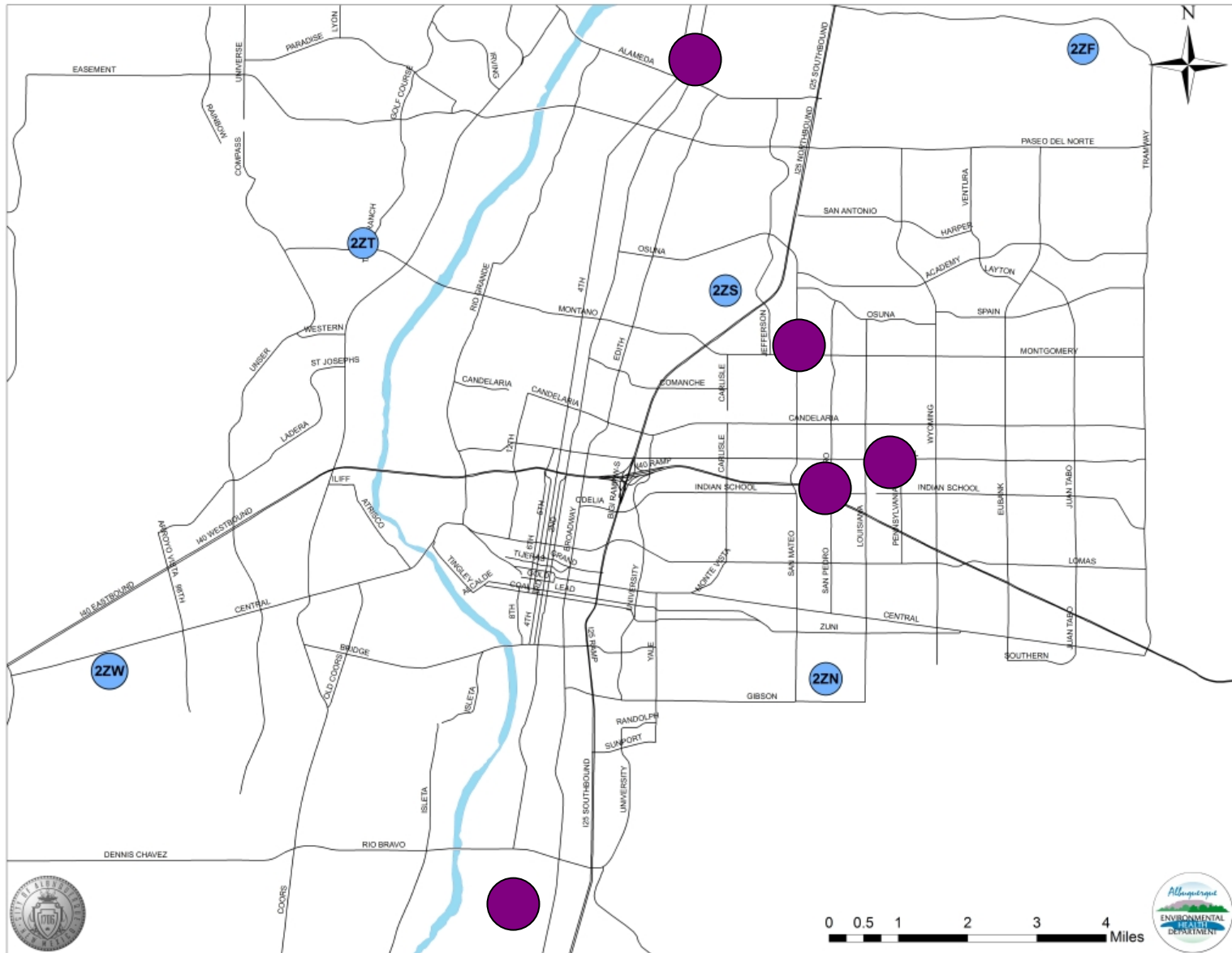
- 10 Ambient Air Monitoring Stations
  - 7 Ozone
  - 5 Carbon Monoxide
  - 7 Fine Particulate (PM<sub>2.5</sub>)
  - 6 Coarse Particulate (PM<sub>10</sub>)
  - 1 Nitrogen Dioxide
  - 10 Met Stations



# 2011 Network Additions

- 2ZM Del Norte High School
  - Total Nitrogen
  - High Sensitivity Carbon Monoxide
  - High Sensitivity Sulfur Dioxide
- 2ZN Wilson Park (anticipated under current regs)
  - Lead Sampling

# Carbon Monoxide Monitoring in Bernalillo County



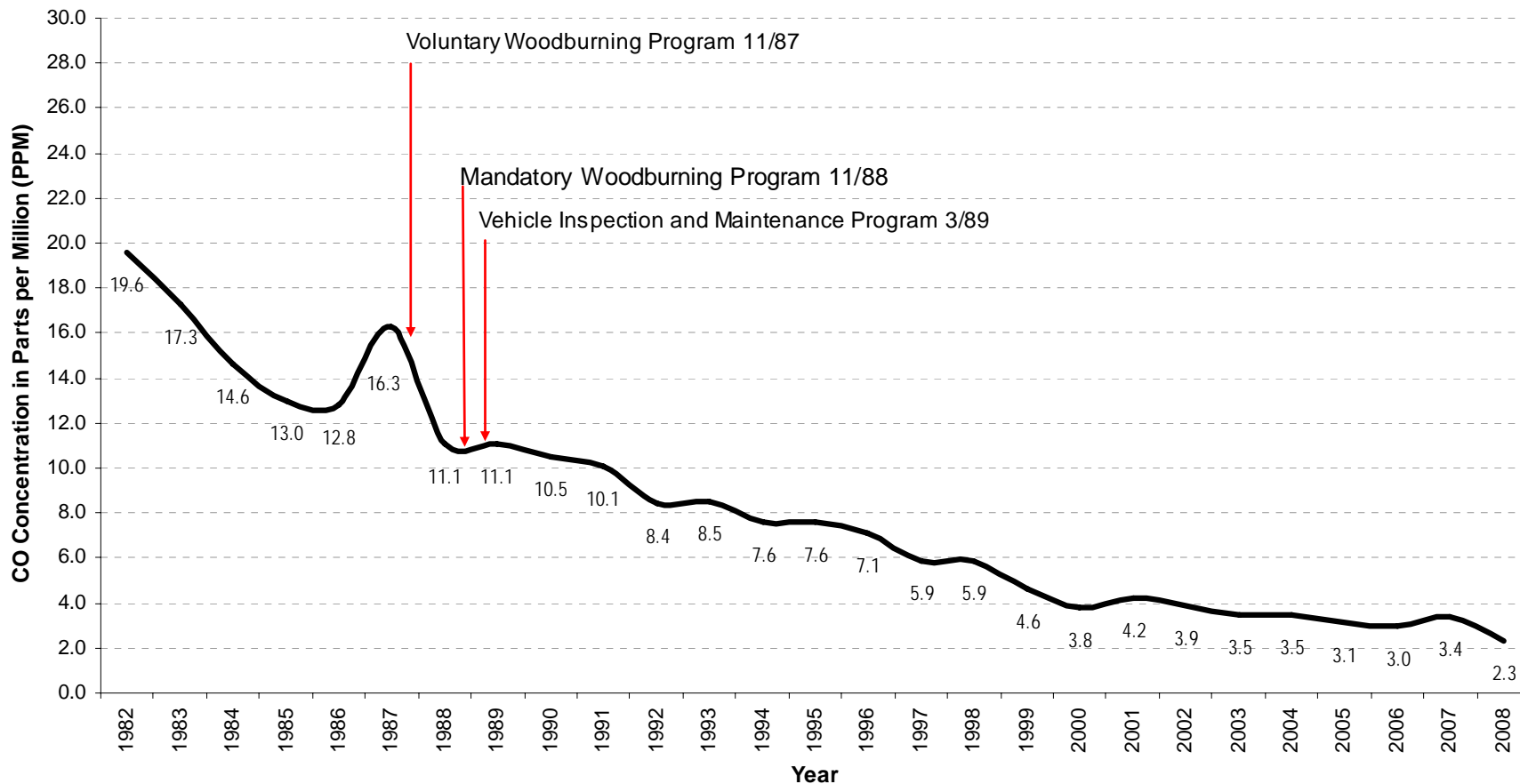
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# 27 Years of Carbon Monoxide Bernalillo County New Mexico

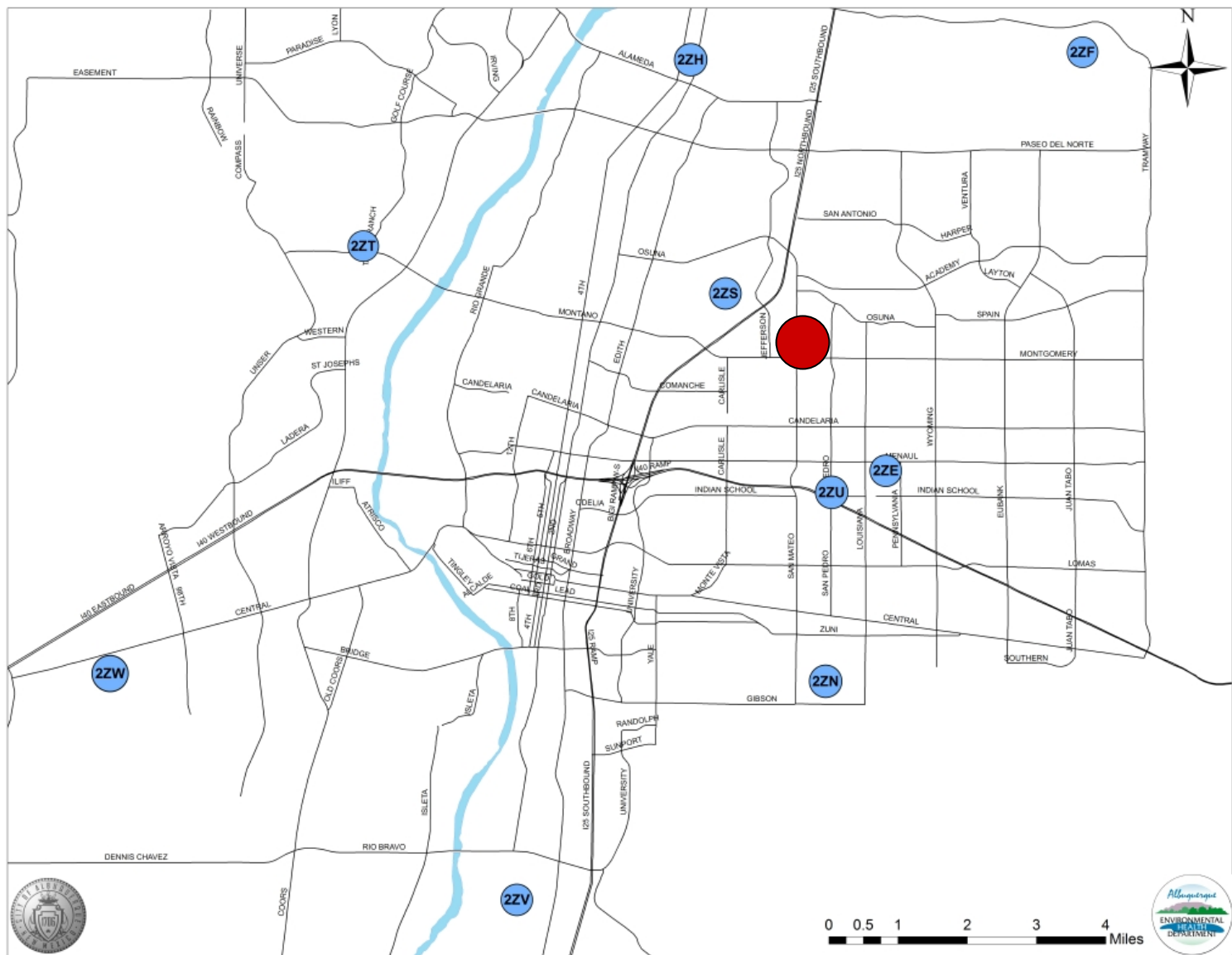
## 8 Hour Averages, Second Maximum Value, Network wide values 1982 to 2008

City of Albuquerque, Environmental Health Department, Air Quality Division EPA AQS Data



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# Nitrogen Dioxide Monitor in Bernalillo County



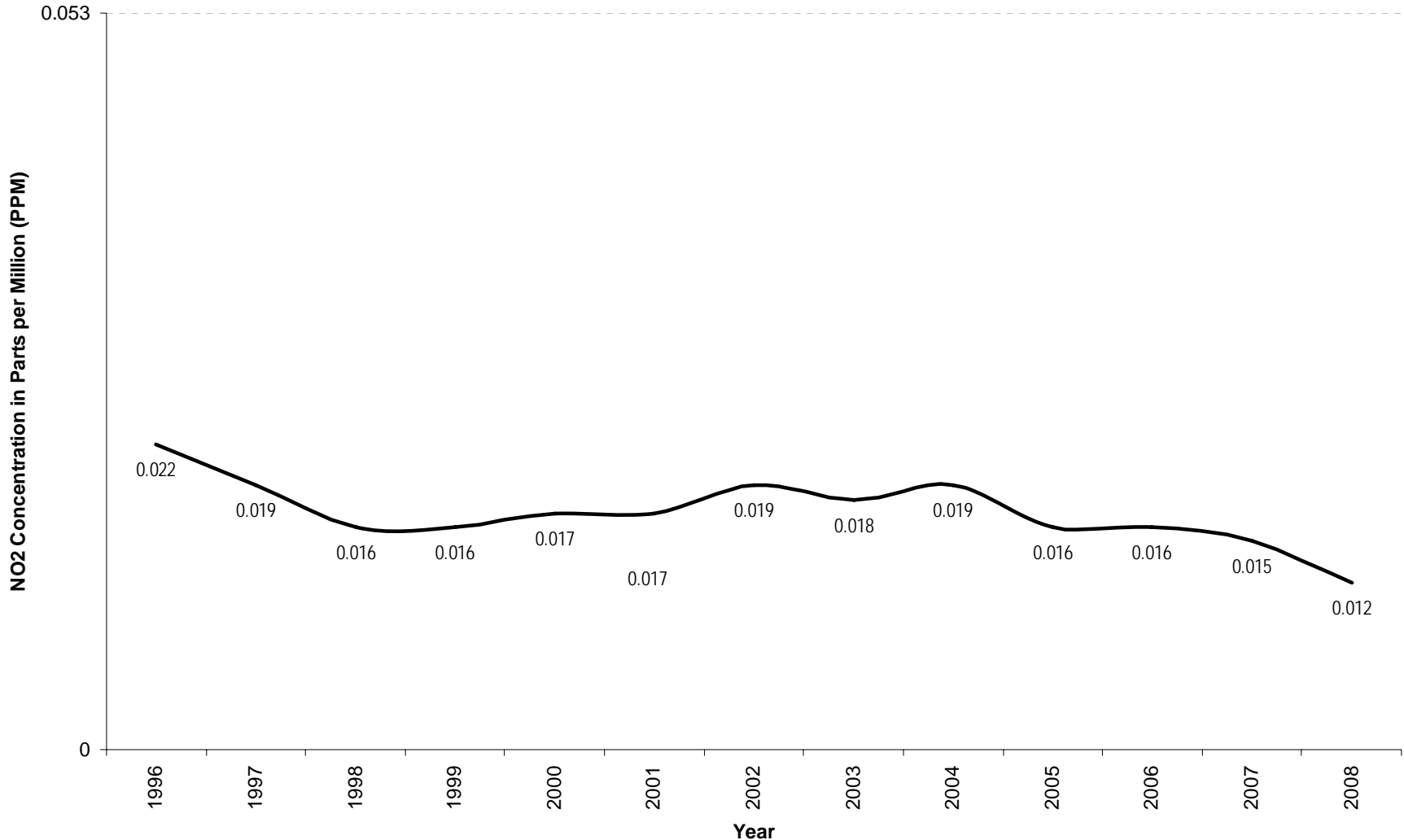
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# 13 Years of Nitrogen Dioxide Bernalillo County New Mexico Annual Averages



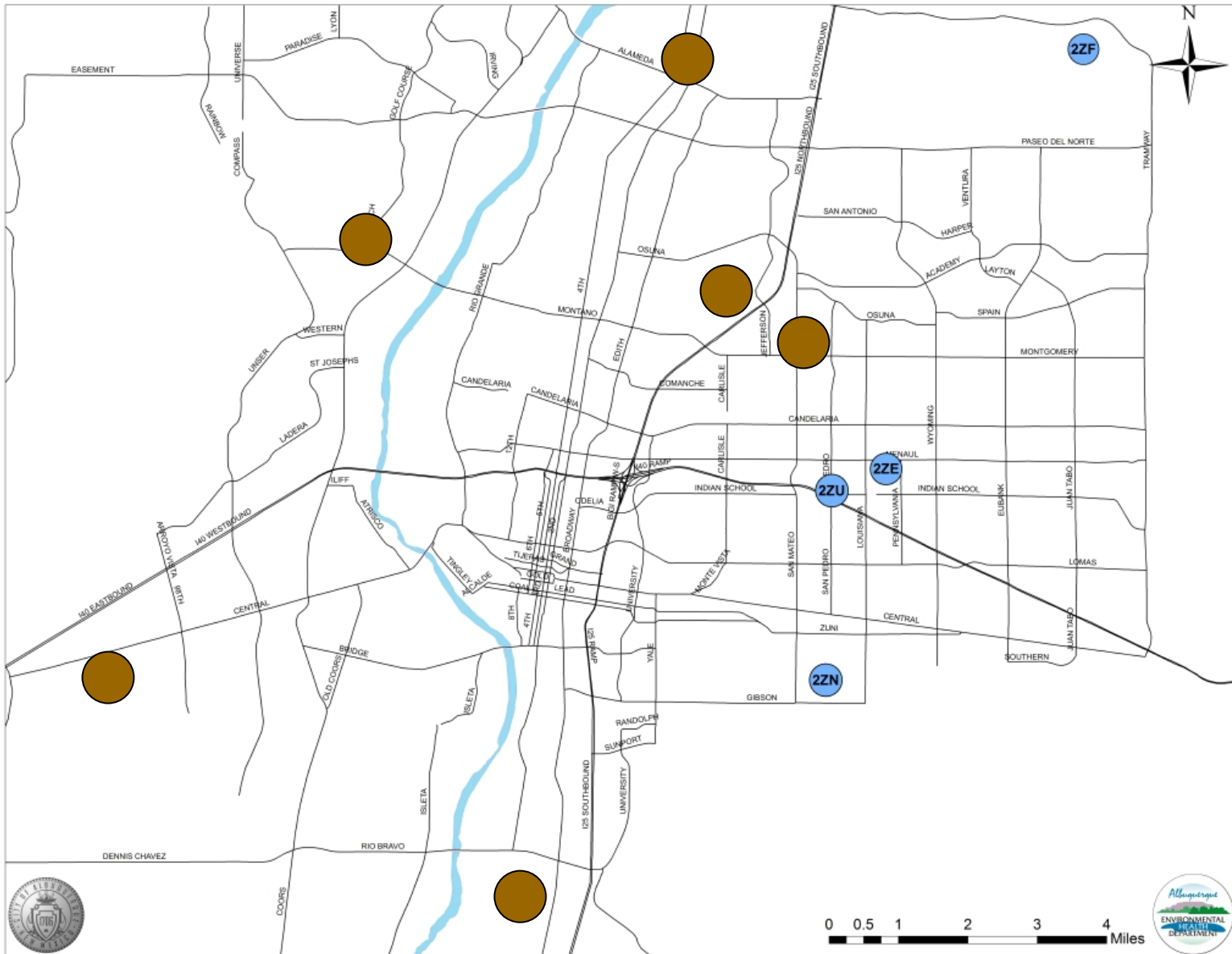
1996 to 2008

City of Albuquerque, Environmental Health Department, Air Quality Division EPA AQS Data



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# PM10 Monitoring in Bernalillo County

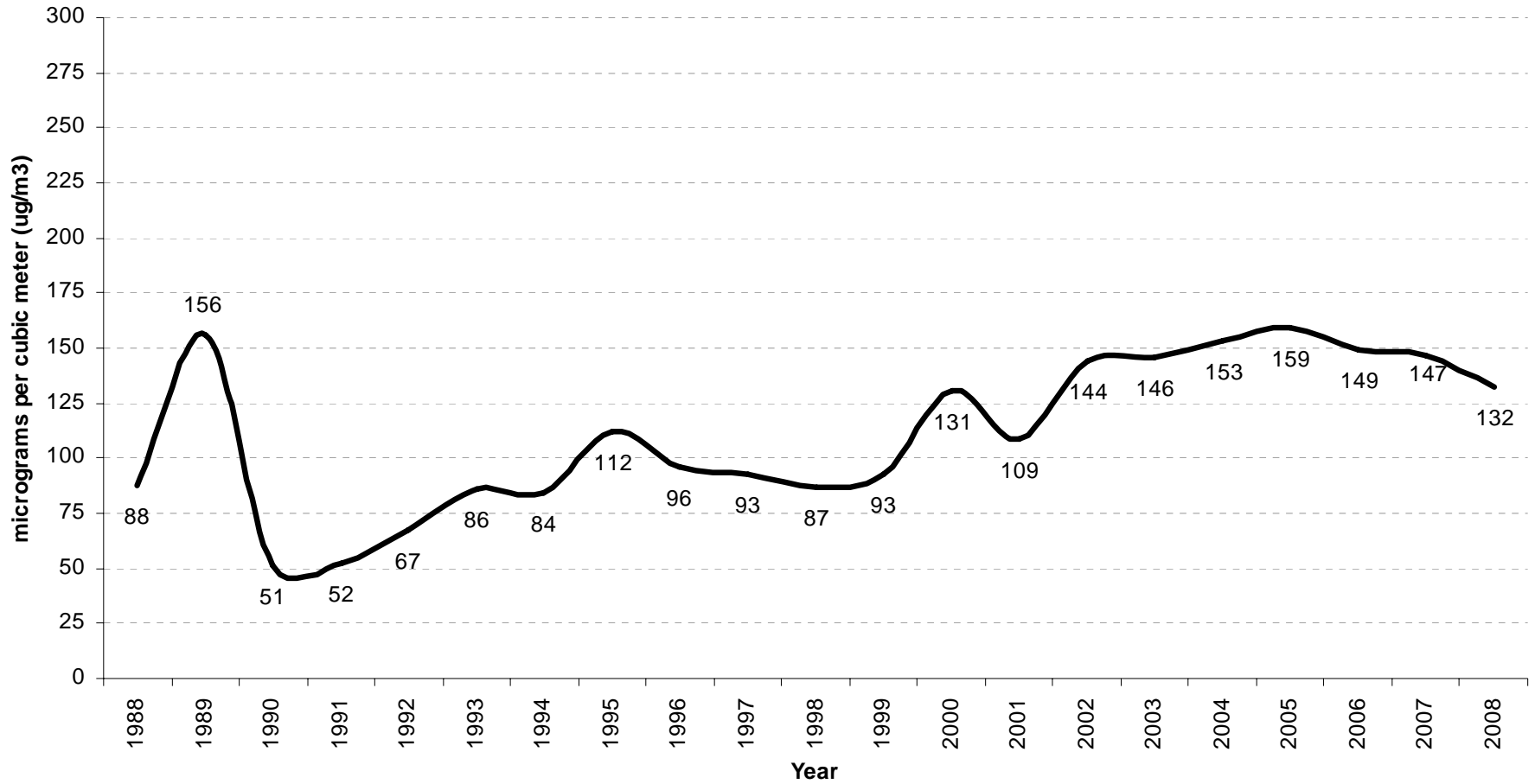


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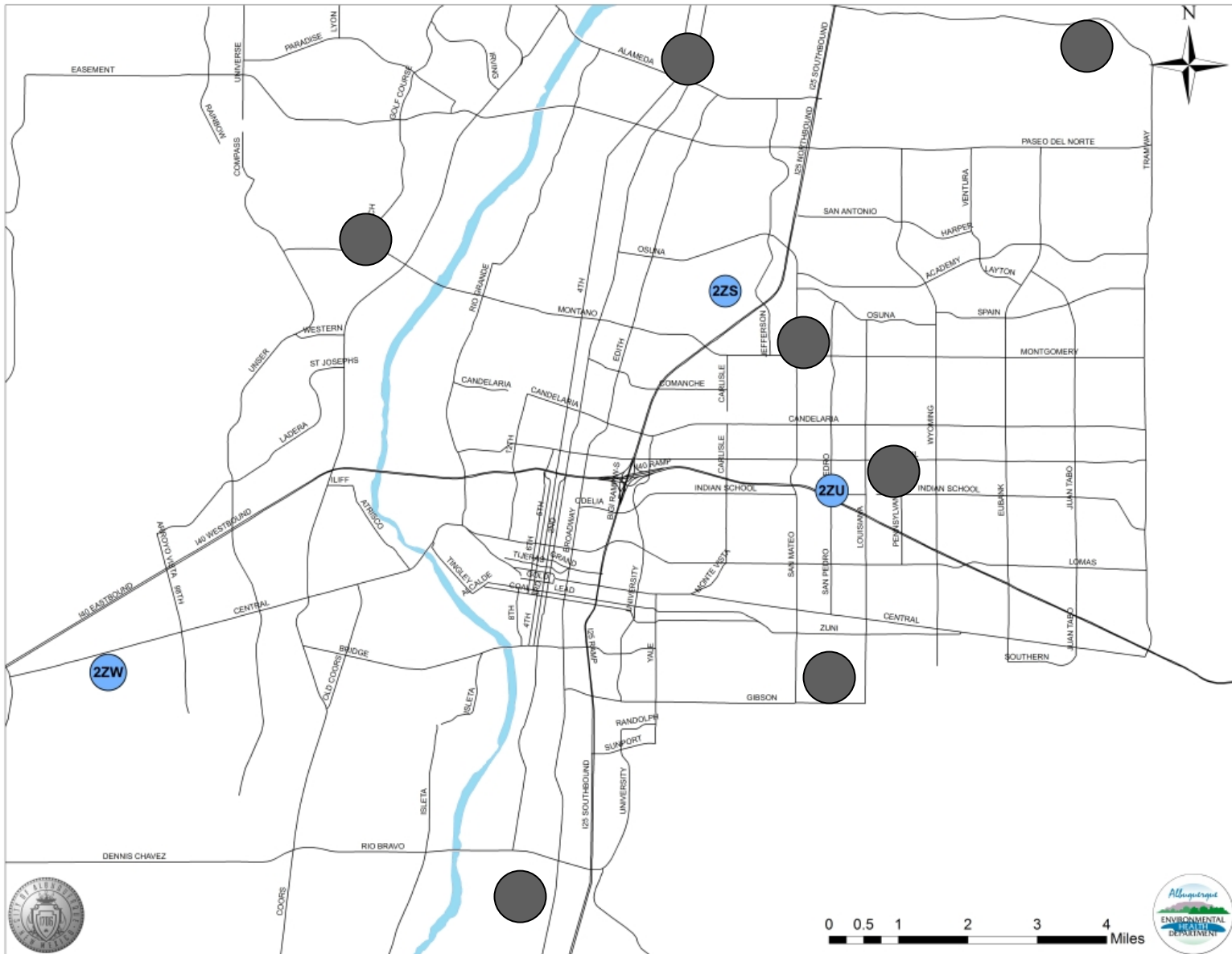


**21 Years of PM10**  
**Bernalillo County New Mexico**  
**24 Hour Average, Second Maximum Value, Network wide values**  
**1988 to 2008 - CY2008 is incomplete**  
City of Albuquerque, Environmental Health Department, Air Quality Division EPA AQS Data



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# PM2.5 Monitoring in Bernalillo County



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**10 Years of PM2.5  
Bernalillo County New Mexico  
24 Hour Averages, 98th Percentile Value, Network wide maximum values  
1999 to 2008**  
City of Albuquerque, Environmental Health Department, Air Quality Division EPA AQS Data



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# 10 Years of PM2.5 Bernalillo County New Mexico Annual Averages, Network wide maximum values 1999 to 2008



City of Albuquerque, Environmental Health Department, Air Quality Division EPA AQS Data

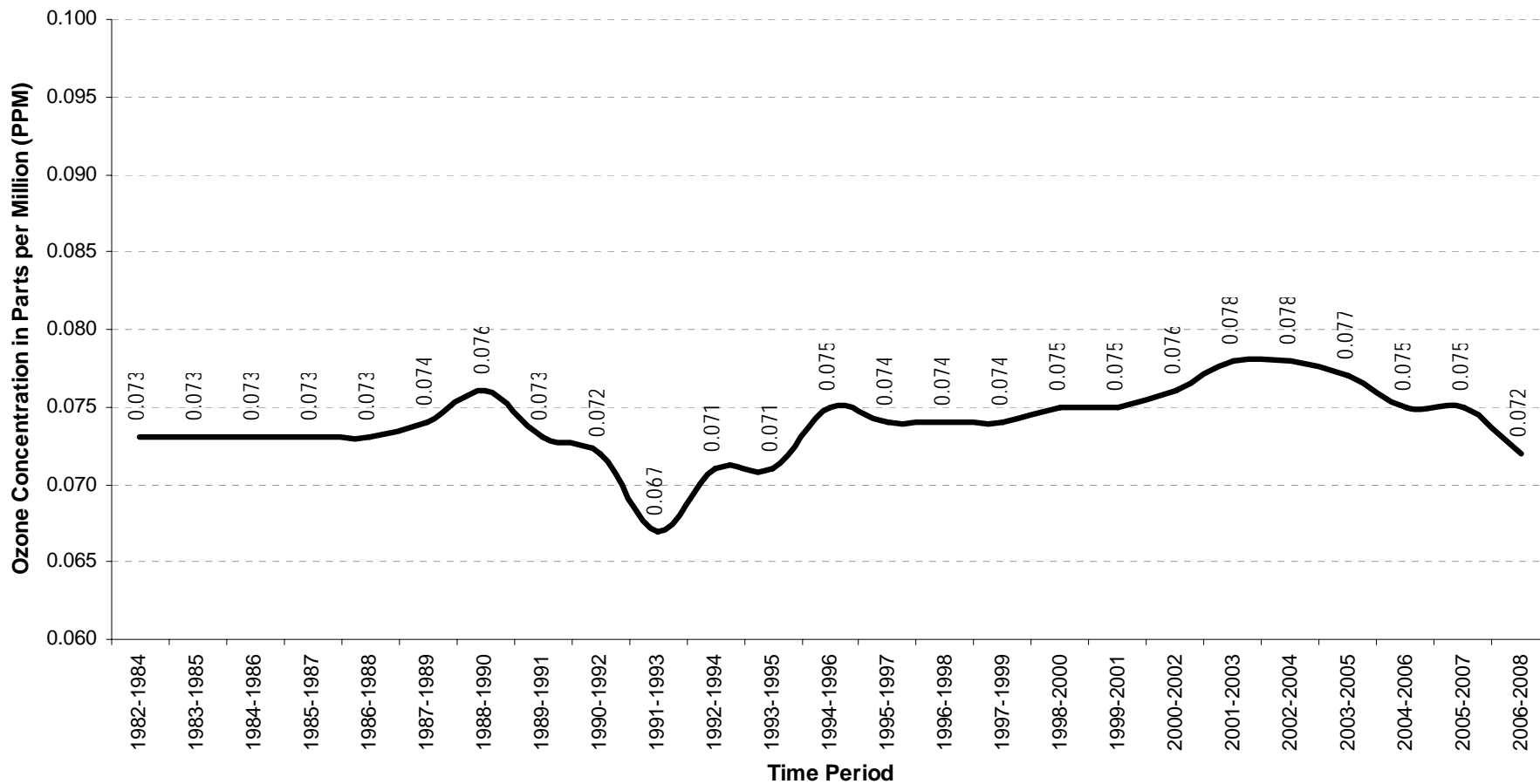


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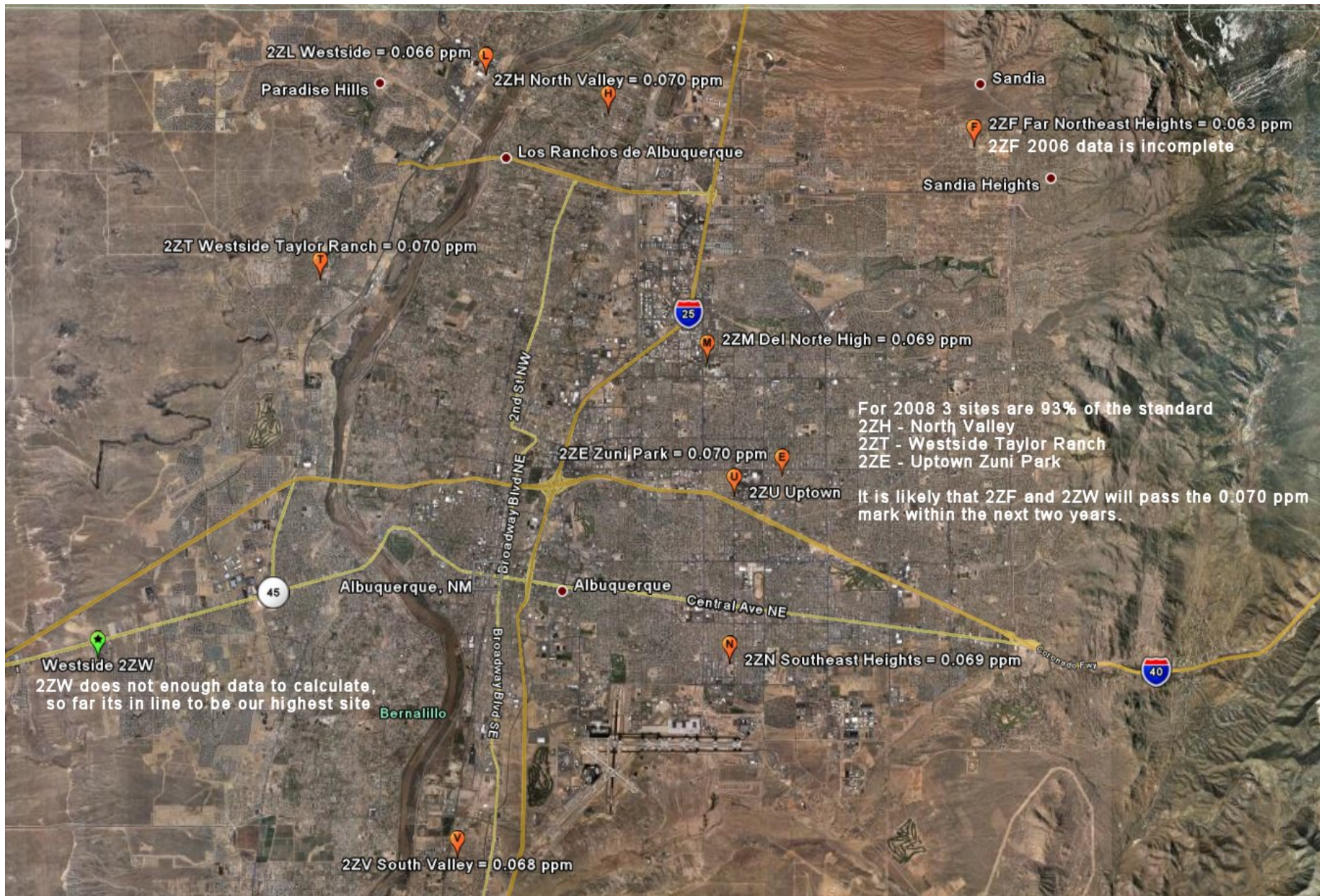




**27 Years of Ozone**  
**Bernalillo County New Mexico**  
**Network wide 8 Hour Averages, Fourth Maximum Value**  
**1982 to 2008 Three Year Averages, not NAAQS comparable**  
**City of Albuquerque, Environmental Health Department, AQD EPA AQS Data**



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# Ozone



- Bernalillo County is at about 93% of Federal Ozone Standard at .070 ppm
- 2009 Legislative Session
  - HBIC/HB 195
  - Created a New Section of the State Air Act
    - State or Local Board SHALL Adopt a Plan to Control Emissions from Sources of:
      - Oxides of Nitrogen
      - Volatile Organic Compounds



# New NM Air Act Section



- Allows the State and Local Board to be more stringent than federal rule for areas that are violating or are within 95% of a national ambient air quality standard for ozone.
- Allows for additional standards of performance for sources.
- Other specifics...

# Ozone Overall



- Most of the Western United States is close to or exceeding Federal Ozone Standards.
- 1 Ozone Non-Attainment Area in the State, Sunland Park, New Mexico.
- 1 Area at 100% of the Current Standard, San Juan County, New Mexico

# Ozone Action



- It is not if we go non-attainment, it is when...
  - 1) Violating the Current Standard
  - 2) Standard is Reduced to Violating
- Community needs to be aware of situation and upcoming requirements.
- Begin Ozone Mitigation Plan Development Process.

# Questions?

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