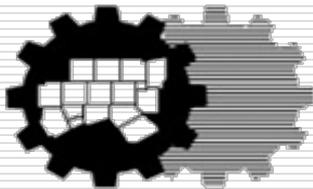


Air Quality in North Central Texas

Eastern Parker County Infrastructure Conference

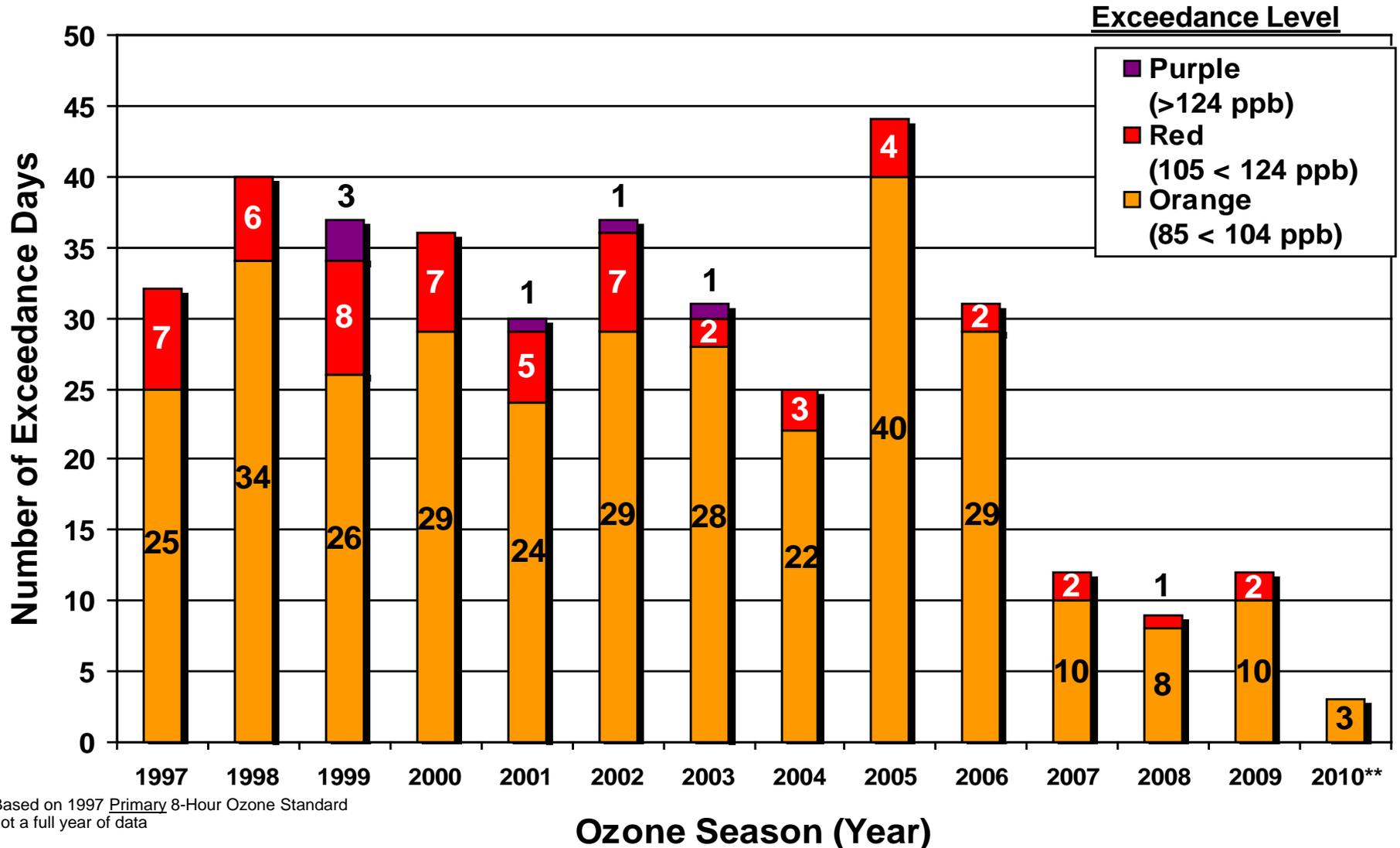
June 29, 2010



**Chris Klaus
Air Quality Planning and Operations
Transportation Department
North Central Texas Council of Governments**

2010 OZONE SEASON

8-Hour Ozone Exceedance Days*



* Based on 1997 Primary 8-Hour Ozone Standard

** Not a full year of data

Current as of June 7, 2010

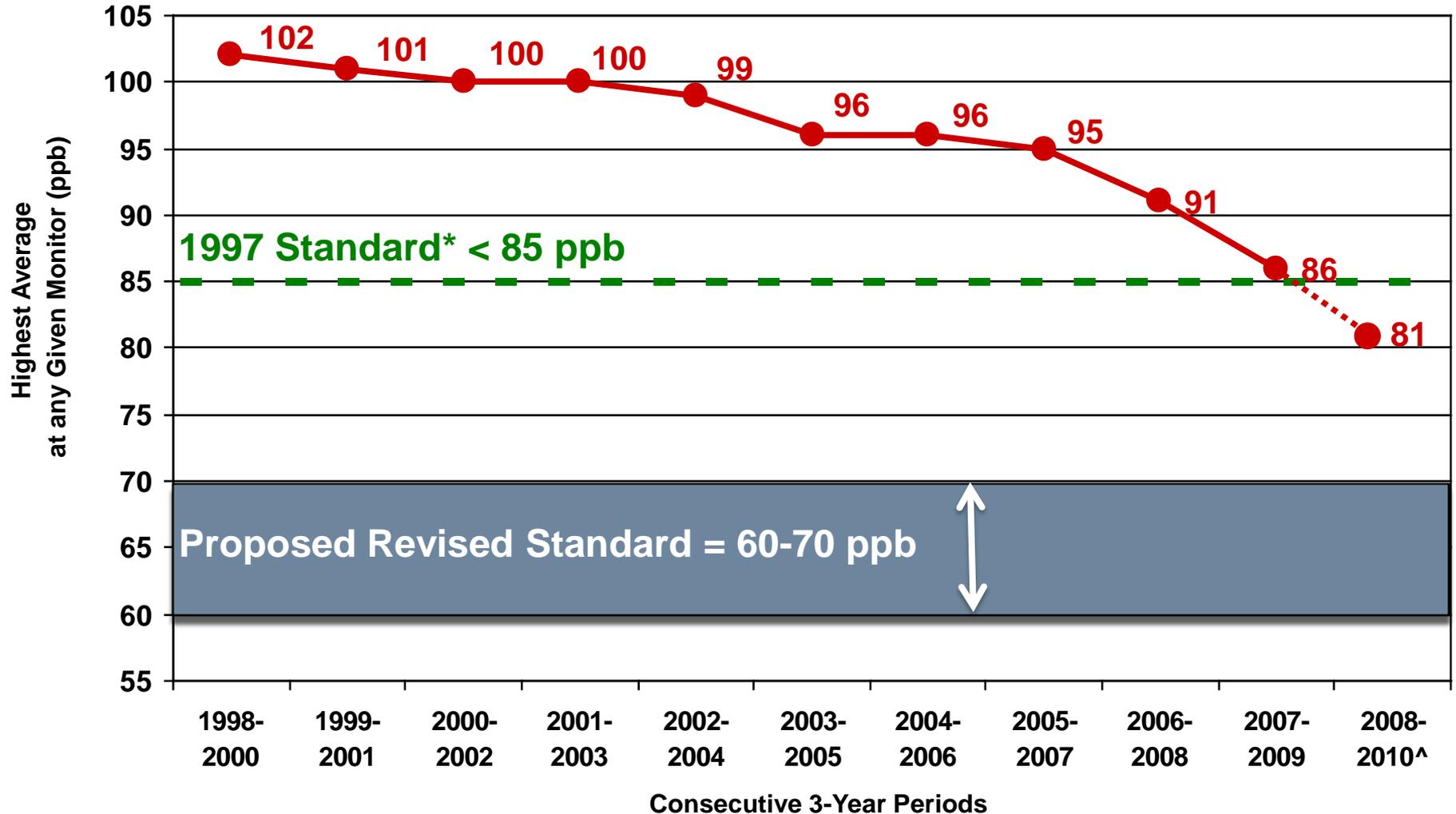
ppb = parts per billion

Exceedance Level indicates daily maximum 8-hour average ozone concentration.

Source: Texas Commission on Environmental Quality
www.tceq.state.tx.us/cgi-bin/compliance/monops/8hr_exceed.pl

2010 OZONE SEASON

North Central Texas 8-Hour Ozone Historical Trend



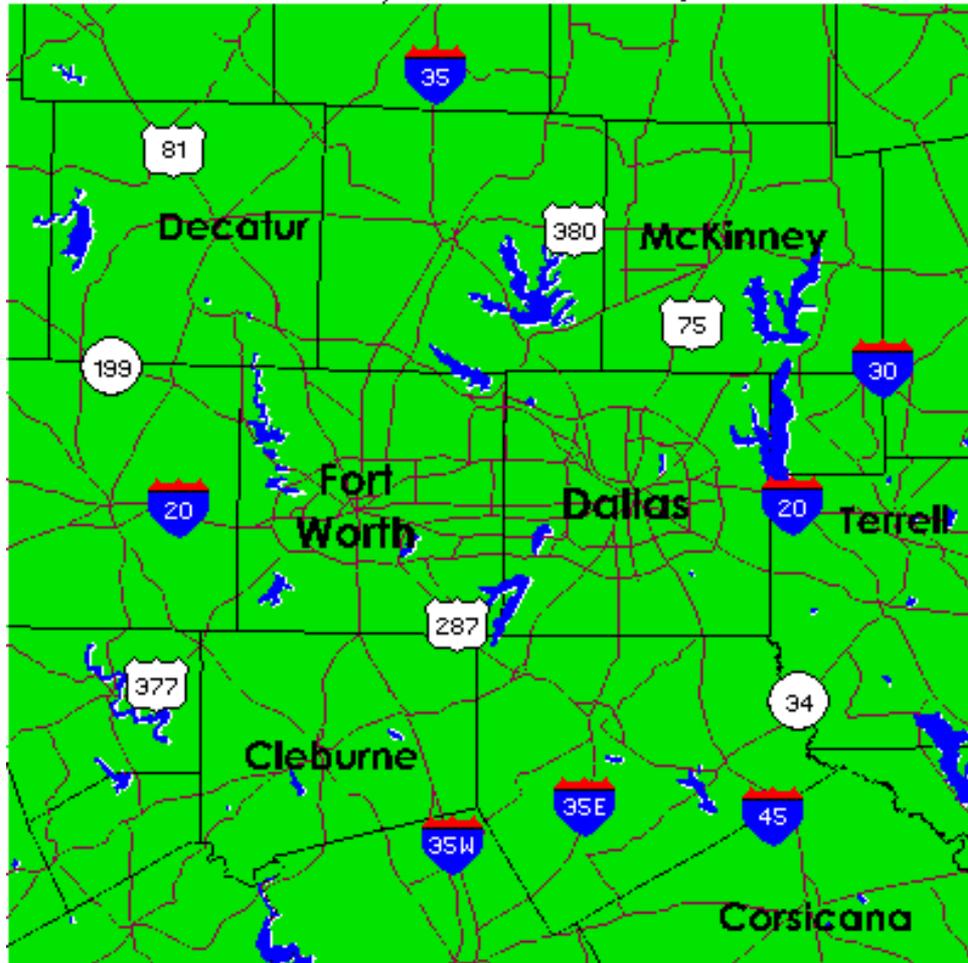
* 2010 Attainment Goal - According to the US EPA National Ambient Air Quality Standards, attainment is reached when, at each monitor, the three-year average of the annual fourth-highest daily maximum 8-hour average ozone concentration is less than 85 parts per billion (ppb).

[^] As of June 29, 2010; Not a full year of data for 2010.

REGIONAL OZONE CONCENTRATIONS

Maximum Daily 8-Hour Average In Parker County Was 96 ppb

North-Central Texas
Jun 25, 2009 7 AM



Air Quality



*Orange means that the hourly average is greater than 90 ppb.

Date: June 25, 2009

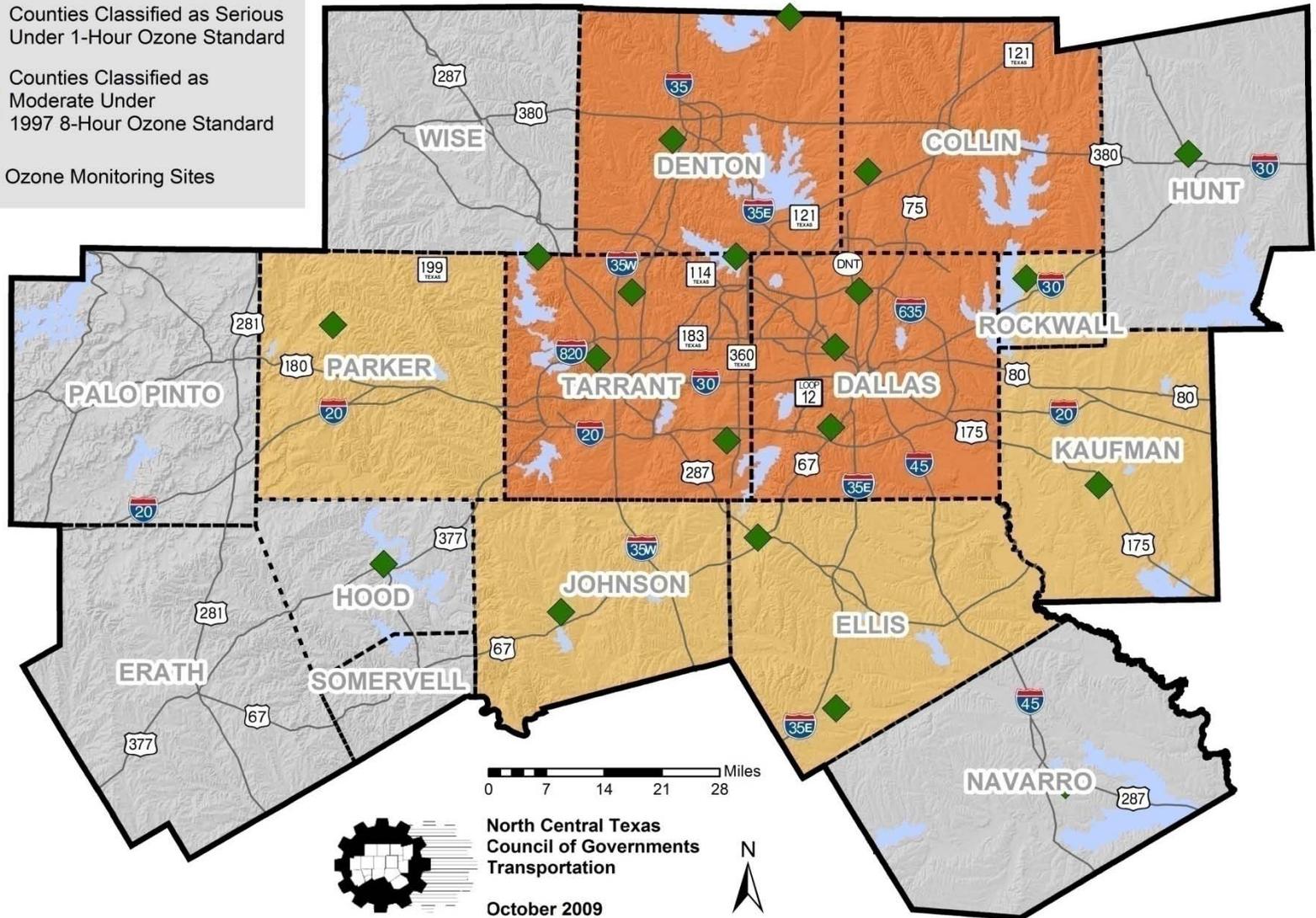
Reclassification of Ozone Nonattainment Area

RECLASSIFICATION OF NONATTAINMENT AREA

1-Hour and 8-Hour Ozone Counties

Legend

- Counties Classified as Serious Under 1-Hour Ozone Standard
- Counties Classified as Moderate Under 1997 8-Hour Ozone Standard
- Ozone Monitoring Sites



CLEAN AIR ACT MANDATED STRATEGIES

Moderate vs. Serious Classification

Category	Moderate Area Strategies	Serious Area Strategies
Reasonably Available Control Technology (RACT)	Impose RACT on all major sources emitting more than <u>100 tons per year</u>	Impose RACT on all major sources emitting more than <u>50 tons per year</u>
Volatile Organic Compounds (VOCs)	Impose a 15% reduction in VOCs in 6 years	Meet all requirements for moderate areas, and: <ul style="list-style-type: none"> • Reduce VOCs 3% annually for years seven through nine • Adopt contingency measures if the area does not meet required VOC reductions
Offsets	Require <u>1.15</u> to 1 offsets	Require <u>1.2</u> to 1 offsets
Inspection and Maintenance (I&M)	Adopt <u>basic</u> vehicle I&M program	Adopt <u>enhanced</u> vehicle I&M program
Vapor Recovery	Require vapor recovery at gas stations selling more than 10,000 gallons per month	<i>No additional requirements for serious classification</i>
Clean Fleet Program	N/A	Require fleet vehicles to use clean alternative fuels
Transportation Control Measures (TCM)	N/A	Adopt TCMs
Monitoring	N/A	Improve Monitoring

RECLASSIFICATION OF NONATTAINMENT AREA

Timeline

DRAFT

Important Dates		Reclassification of Moderate Nonattainment Area
2010	May 1	TCEQ submits certified 2009 ozone data to EPA
	June/July	Estimated timeframe for EPA to propose reclassification action
	December	EPA submits final action for reclassification
2011	December	DFW Revised SIP to EPA
2013	June 15	Serious Attainment Date based on 2010–2012 ozone data

Reconsideration of 2008 8-Hour Ozone Standard

RECONSIDERATION OF 2008 OZONE STANDARD

History

EPA re-evaluates standards every five years.

In March 2008, EPA revised the 8-hour ozone standard from 0.08 parts per million (ppm) to 0.075 ppm.

The Texas Commission on Environmental Quality (TCEQ) recommended 10 counties in North Central Texas to be designated as nonattainment.

Existing 9 counties (Collin, Dallas, Denton, Ellis, Johnson, Kaufman, Parker, Rockwall, and Tarrant counties) plus Hood County

RECONSIDERATION OF 2008 OZONE STANDARD

Proposed Revision

Primary 8-Hour Standard

Protect Public Health

0.060-0.070 parts per million (ppm)

Secondary Standard

Protect Sensitive Vegetation & Ecosystems

7-15 ppm-hours

Milestone

Public Hearings

Final Rule

State Designation Recommendations

Final Designations by EPA

State Implementation Plans Due

Attainment Dates

Date

February 2 & 4

August 31, 2010

January 2011

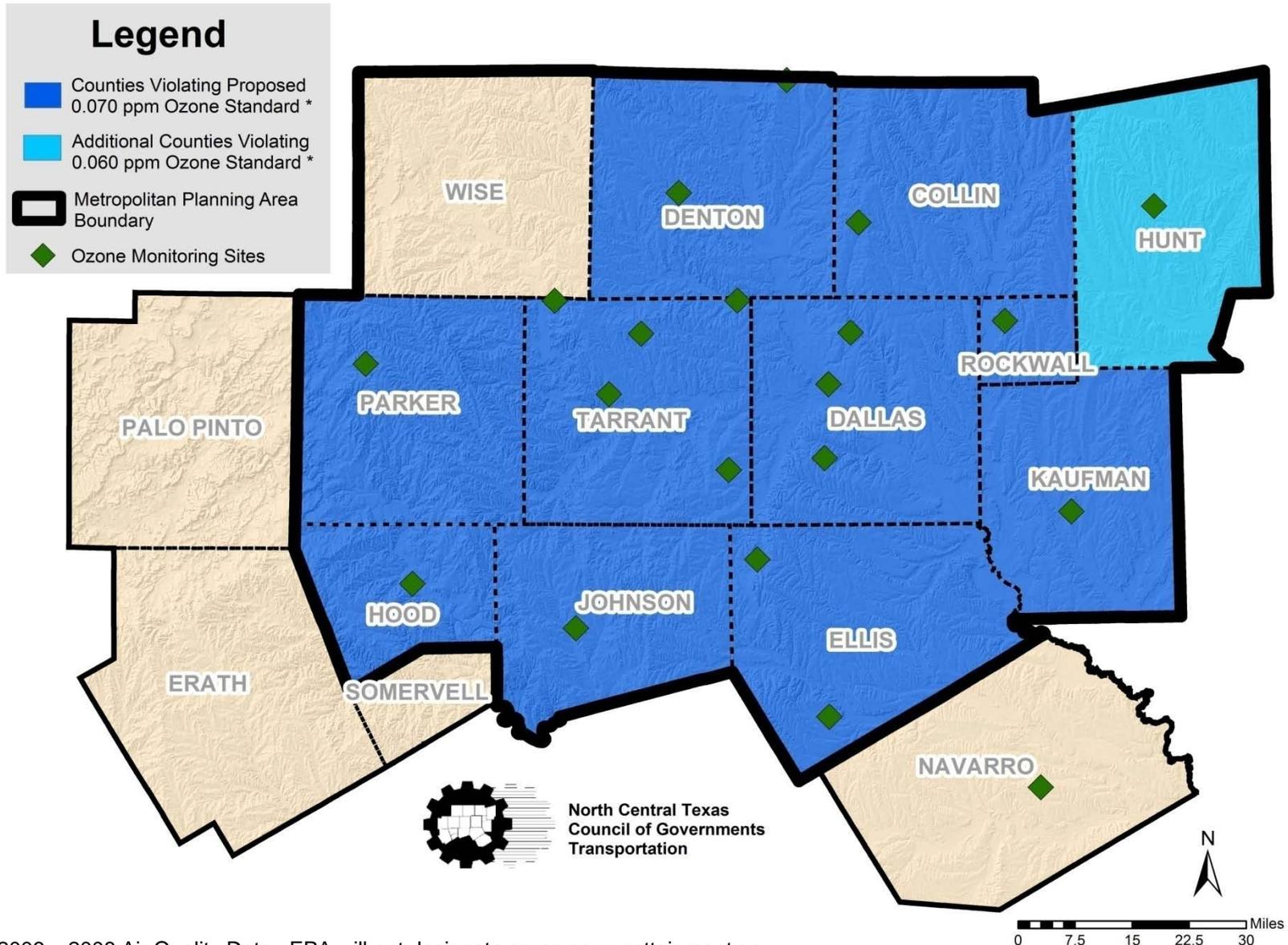
August 2011

December 2013

2014-2031

RECONSIDERATION OF 2008 OZONE STANDARD

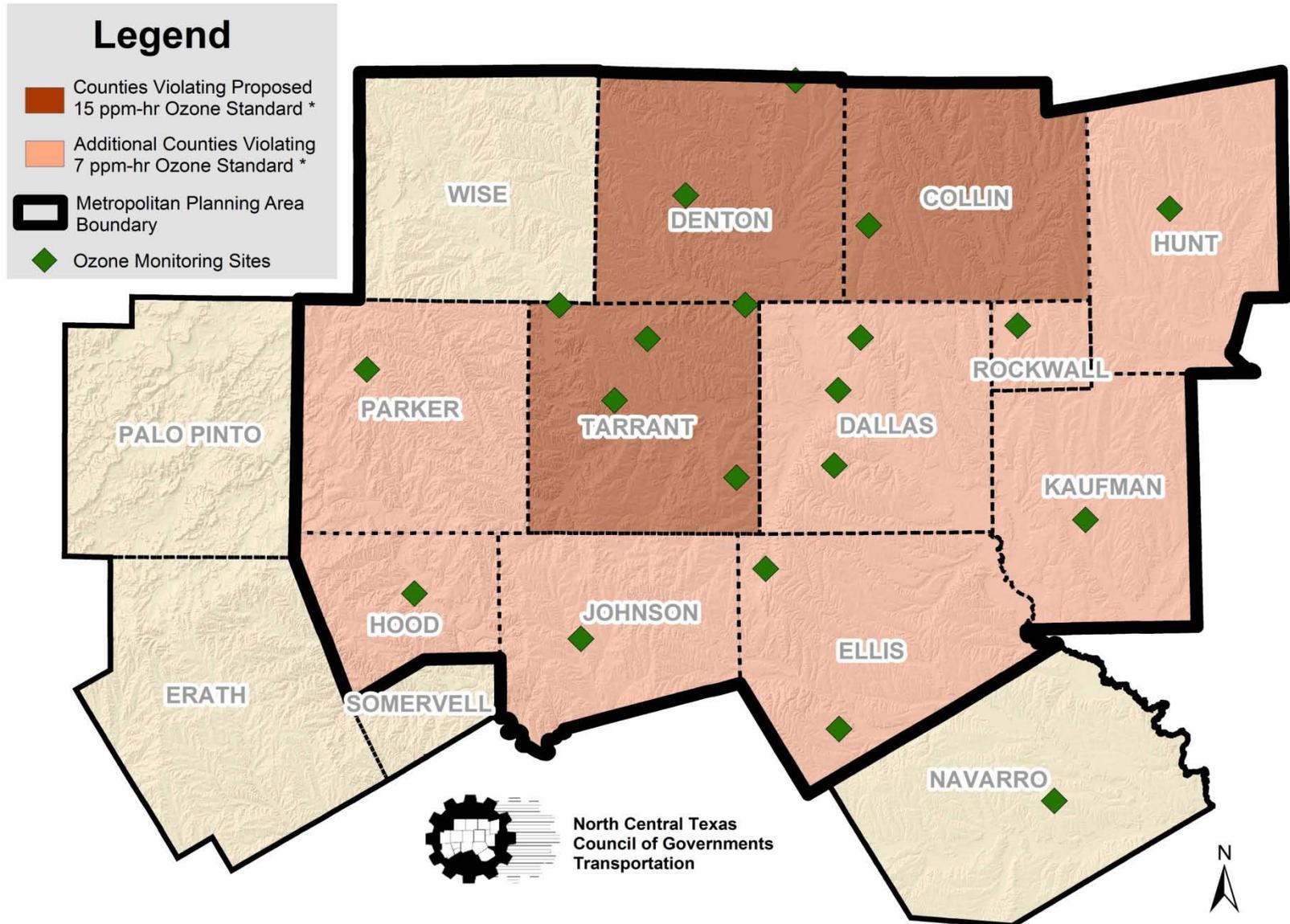
Primary Standard



* Based on 2006 – 2008 Air Quality Data. EPA will not designate areas as nonattainment on these data, but likely on 2008 – 2010 data which are expected to show improved air quality.

RECONSIDERATION OF 2008 OZONE STANDARD

Secondary Standard



* Based on 2006 – 2008 Air Quality Data. EPA will not designate areas as nonattainment on these data, but likely on 2008 – 2010 data which are expected to show improved air quality.

AIR QUALITY IN NORTH CENTRAL TEXAS

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