

**ATTACHMENT C**

***MAPS AND TABLES OF AREA DESIGNATIONS FOR  
STATE AND NATIONAL AMBIENT AIR QUALITY STANDARDS***

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## **ATTACHMENT C**

### **MAPS AND TABLES OF AREA DESIGNATIONS FOR STATE AND NATIONAL AMBIENT AIR QUALITY STANDARDS**

This attachment fulfills the requirement of Health and Safety Code, section 40718 for the Board to publish maps that identify areas where one or more violations of any State ambient air quality standard (State standard) or national ambient air quality standard (national standard) have been measured. The national standards are those promulgated under section 109 of the federal Clean Air Act (42 U.S.C. 7409).

This attachment is divided into three parts. The first part comprises a table showing the levels, averaging times, and measurement methods for each of the State and national standards. This is followed by a section containing maps and tables showing the 2006 area designations for each pollutant for which there is a State standard in the California Code of Regulations, title 17, section 70200. The last section contains maps and tables showing the most current area designations for each pollutant for which there is a national standard.

## Ambient Air Quality Standards

Pollutant	Averaging Time	California Standards <sup>1</sup>		Federal Standards <sup>2</sup>		
		Concentration <sup>3</sup>	Method <sup>4</sup>	Primary <sup>3,6</sup>	Secondary <sup>3,6</sup>	Method <sup>7</sup>
Ozone (O <sub>3</sub> )	1 Hour	0.09 ppm (180 µg/m <sup>3</sup> )	Ultraviolet Photometry	—	Same as Primary Standard	Ultraviolet Photometry
	8 Hour	0.070 ppm (137 µg/m <sup>3</sup> )*		0.08 ppm (157 µg/m <sup>3</sup> ) <sup>8</sup>		
Respirable Particulate Matter (PM <sub>10</sub> )	24 Hour	50 µg/m <sup>3</sup>	Gravimetric or Beta Attenuation	150 µg/m <sup>3</sup>	Same as Primary Standard	Inertial Separation and Gravimetric Analysis
	Annual Arithmetic Mean	20 µg/m <sup>3</sup>		50 µg/m <sup>3</sup>		
Fine Particulate Matter (PM <sub>2.5</sub> )	24 Hour	No Separate State Standard		65 µg/m <sup>3</sup>	Same as Primary Standard	Inertial Separation and Gravimetric Analysis
	Annual Arithmetic Mean	12 µg/m <sup>3</sup>	Gravimetric or Beta Attenuation	15 µg/m <sup>3</sup>		
Carbon Monoxide (CO)	8 Hour	9.0 ppm (10mg/m <sup>3</sup> )	Non-Dispersive Infrared Photometry (NDIR)	9 ppm (10 mg/m <sup>3</sup> )	None	Non-Dispersive Infrared Photometry (NDIR)
	1 Hour	20 ppm (23 mg/m <sup>3</sup> )		35 ppm (40 mg/m <sup>3</sup> )		
	8 Hour (Lake Tahoe)	6 ppm (7 mg/m <sup>3</sup> )		—		
Nitrogen Dioxide (NO <sub>2</sub> )	Annual Arithmetic Mean	—	Gas Phase Chemiluminescence	0.053 ppm (100 µg/m <sup>3</sup> )	Same as Primary Standard	Gas Phase Chemiluminescence
	1 Hour	0.25 ppm (470 µg/m <sup>3</sup> )		—		
Sulfur Dioxide (SO <sub>2</sub> )	Annual Arithmetic Mean	—	Ultraviolet Fluorescence	0.030 ppm (80 µg/m <sup>3</sup> )	—	Spectrophotometry (Pararosaniline Method)
	24 Hour	0.04 ppm (105 µg/m <sup>3</sup> )		0.14 ppm (365 µg/m <sup>3</sup> )	—	
	3 Hour	—		—	0.5 ppm (1300 µg/m <sup>3</sup> )	
	1 Hour	0.25 ppm (655 µg/m <sup>3</sup> )		—	—	
Lead <sup>9</sup>	30 Day Average	1.5 µg/m <sup>3</sup>	Atomic Absorption	—	—	—
	Calendar Quarter	—		1.5 µg/m <sup>3</sup>	Same as Primary Standard	High Volume Sampler and Atomic Absorption
Visibility Reducing Particles	8 Hour	Extinction coefficient of 0.23 per kilometer — visibility of ten miles or more (0.07 — 30 miles or more for Lake Tahoe) due to particles when relative humidity is less than 70 percent. Method: Beta Attenuation and Transmittance through Filter Tape.		<b>No Federal Standards</b>		
Sulfates	24 Hour	25 µg/m <sup>3</sup>	Ion Chromatography			
Hydrogen Sulfide	1 Hour	0.03 ppm (42 µg/m <sup>3</sup> )	Ultraviolet Fluorescence			
Vinyl Chloride <sup>9</sup>	24 Hour	0.01 ppm (26 µg/m <sup>3</sup> )	Gas Chromatography			

\*This concentration was approved by the Air Resources Board on April 28, 2005 and is expected to become effective in early 2006.

See footnotes on next page ...

California Air Resources Board (11/29/05)

1. California standards for ozone, carbon monoxide (except Lake Tahoe), sulfur dioxide (1 and 24 hour), nitrogen dioxide, suspended particulate matter—PM10, PM2.5, and visibility reducing particles, are values that are not to be exceeded. All others are not to be equaled or exceeded. California ambient air quality standards are listed in the Table of Standards in Section 70200 of Title 17 of the California Code of Regulations.
2. National standards (other than ozone, particulate matter, and those based on annual averages or annual arithmetic mean) are not to be exceeded more than once a year. The ozone standard is attained when the fourth highest eight hour concentration in a year, averaged over three years, is equal to or less than the standard. For PM10, the 24 hour standard is attained when the expected number of days per calendar year with a 24-hour average concentration above  $150 \mu\text{g}/\text{m}^3$  is equal to or less than one. For PM2.5, the 24 hour standard is attained when 98 percent of the daily concentrations, averaged over three years, are equal to or less than the standard. Contact U.S. EPA for further clarification and current federal policies.
3. Concentration expressed first in units in which it was promulgated. Equivalent units given in parentheses are based upon a reference temperature of  $25^\circ\text{C}$  and a reference pressure of 760 torr. Most measurements of air quality are to be corrected to a reference temperature of  $25^\circ\text{C}$  and a reference pressure of 760 torr; ppm in this table refers to ppm by volume, or micromoles of pollutant per mole of gas.
4. Any equivalent procedure which can be shown to the satisfaction of the ARB to give equivalent results at or near the level of the air quality standard may be used.
5. National Primary Standards: The levels of air quality necessary, with an adequate margin of safety to protect the public health.
6. National Secondary Standards: The levels of air quality necessary to protect the public welfare from any known or anticipated adverse effects of a pollutant.
7. Reference method as described by the EPA. An "equivalent method" of measurement may be used but must have a "consistent relationship to the reference method" and must be approved by the EPA.
8. New federal 8-hour ozone and fine particulate matter standards were promulgated by U.S. EPA on July 18, 1997. Contact U.S. EPA for further clarification and current federal policies.
9. The ARB has identified lead and vinyl chloride as 'toxic air contaminants' with no threshold level of exposure for adverse health effects determined. These actions allow for the implementation of control measures at levels below the ambient concentrations specified for these pollutants.

### ***Area Designations for the State Ambient Air Quality Standards***

The area designations for each pollutant with a State standard set forth in the California Code of Regulations, title 17, section 60200 are presented in the following maps and tables. Each area is identified as attainment, nonattainment, nonattainment-transitional, or unclassified for each pollutant, as shown below:

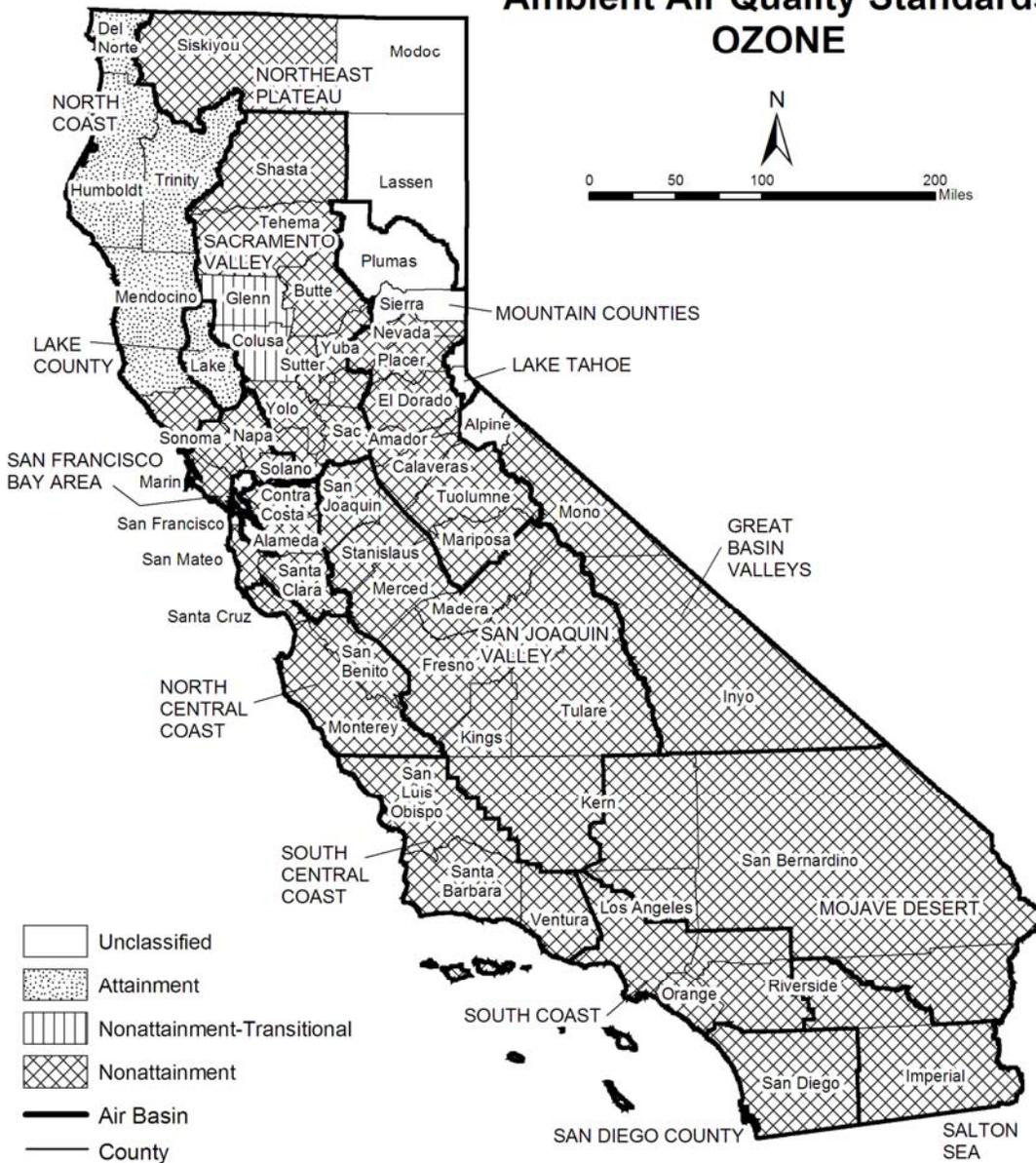
<b>Attainment</b>	<b>A</b>
<b>Nonattainment</b>	<b>N</b>
<b>Nonattainment-Transitional</b>	<b>NT</b>
<b>Unclassified</b>	<b>U</b>

Generally, the Board designates areas by air basin for pollutants with a regional impact and by county for pollutants with a more local impact. However, when there are areas within an air basin or county with distinctly different air quality deriving from sources and conditions not affecting the entire air basin or county, the Board may designate a smaller area. Generally, when boundaries of the designated area differ from the air basin or county boundaries, the description of the specific area is referenced at the bottom of the summary table.

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FIGURE 1

**2006  
Area Designations for State  
Ambient Air Quality Standards  
OZONE**



Source Date:  
August 2006  
Air Quality Data Branch, PTSD

TABLE 1

**California Ambient Air Quality Standards  
Area Designations for Ozone**

	N	NT	U	A		N	NT	U	A
<b>NORTH COAST AIR BASIN</b>					<b>GREAT BASIN VALLEYS AIR BASIN</b>				
Sonoma County (NCAB portion)	X				Alpine County			X	
Remainder of Air Basin				X	Inyo County	X			
<b>SAN FRANCISCO BAY AREA AIR BASIN</b>	X				Mono County	X			
<b>NORTH CENTRAL COAST AIR BASIN</b>	X				<b>MOJAVE DESERT AIR BASIN</b>	X			
<b>SOUTH CENTRAL COAST AIR BASIN</b>	X				<b>SALTON SEA AIR BASIN</b>	X			
<b>SOUTH COAST AIR BASIN</b>	X				<b>MOUNTAIN COUNTIES AIR BASIN (MCAB)</b>				
<b>SAN DIEGO AIR BASIN</b>	X				Amador County	X			
<b>NORTHEAST PLATEAU AIR BASIN</b>					Calaveras County	X			
Siskiyou County	X				El Dorado County (MCAB portion)	X			
Remainder of Air Basin			X		Mariposa County	X			
<b>SACRAMENTO VALLEY AIR BASIN</b>					Nevada County	X			
Glenn County		X			Placer County (MCAB portion)	X			
Colusa County		X			Plumas County			X	
Remainder of Air Basin (1)	X				Sierra County			X	
<b>SAN JOAQUIN VALLEY AIR BASIN</b>	X				Tuolumne County	X			
					<b>LAKE COUNTY AIR BASIN</b>				X
					<b>LAKE TAHOE AIR BASIN</b>			X	

(1) AB 3048 (Olberg) and AB 2525 (Miller) signed into law in 1996, made changes to Health and Safety Code, section 40925.5. One of the changes allows nonattainment districts to become nonattainment-transitional for ozone by operation of law. Similarly, nonattainment-transitional districts revert back to nonattainment by operation of law.

**FIGURE 2**

**2006  
Area Designations for State  
Ambient Air Quality Standards  
PM10**

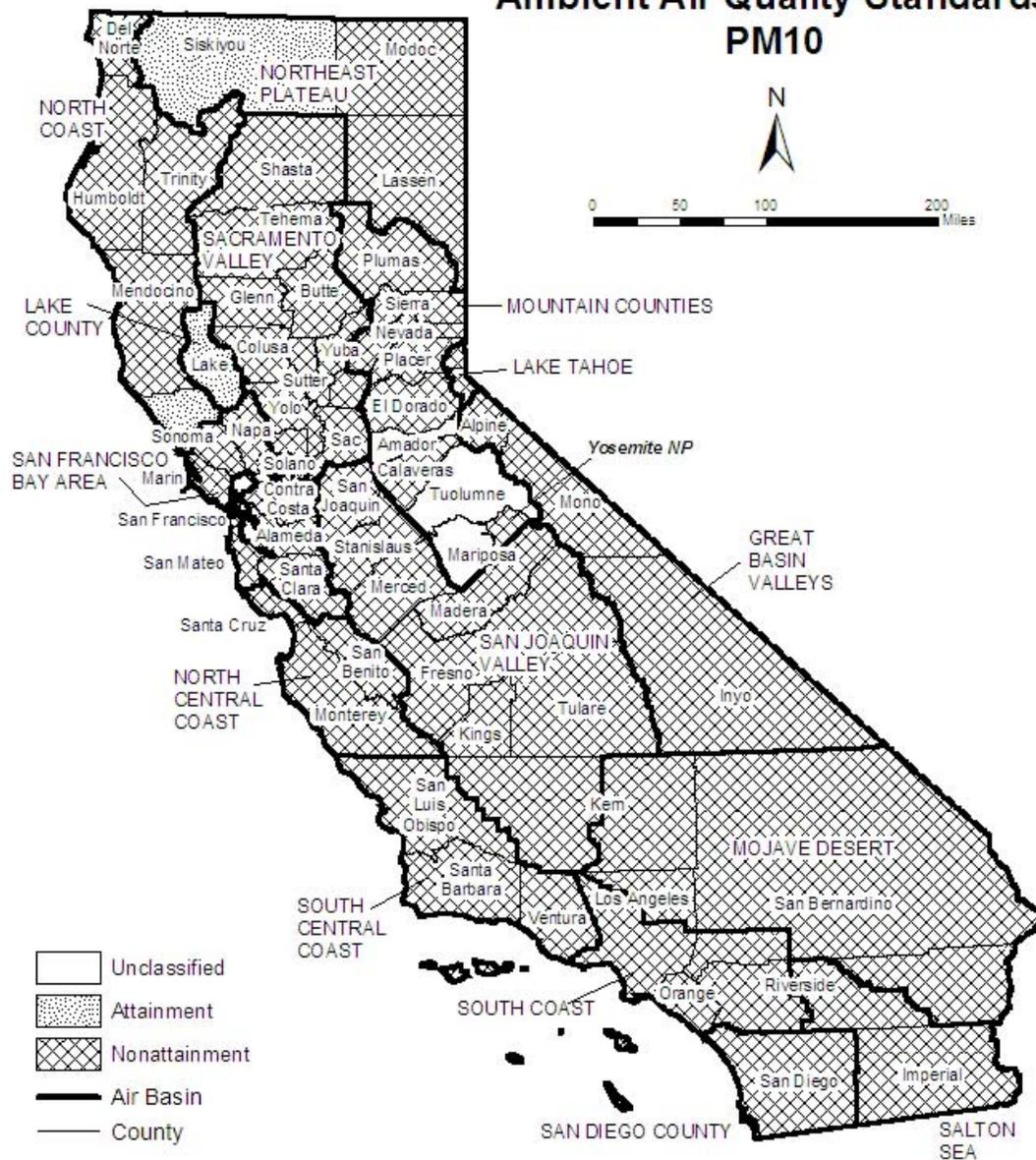


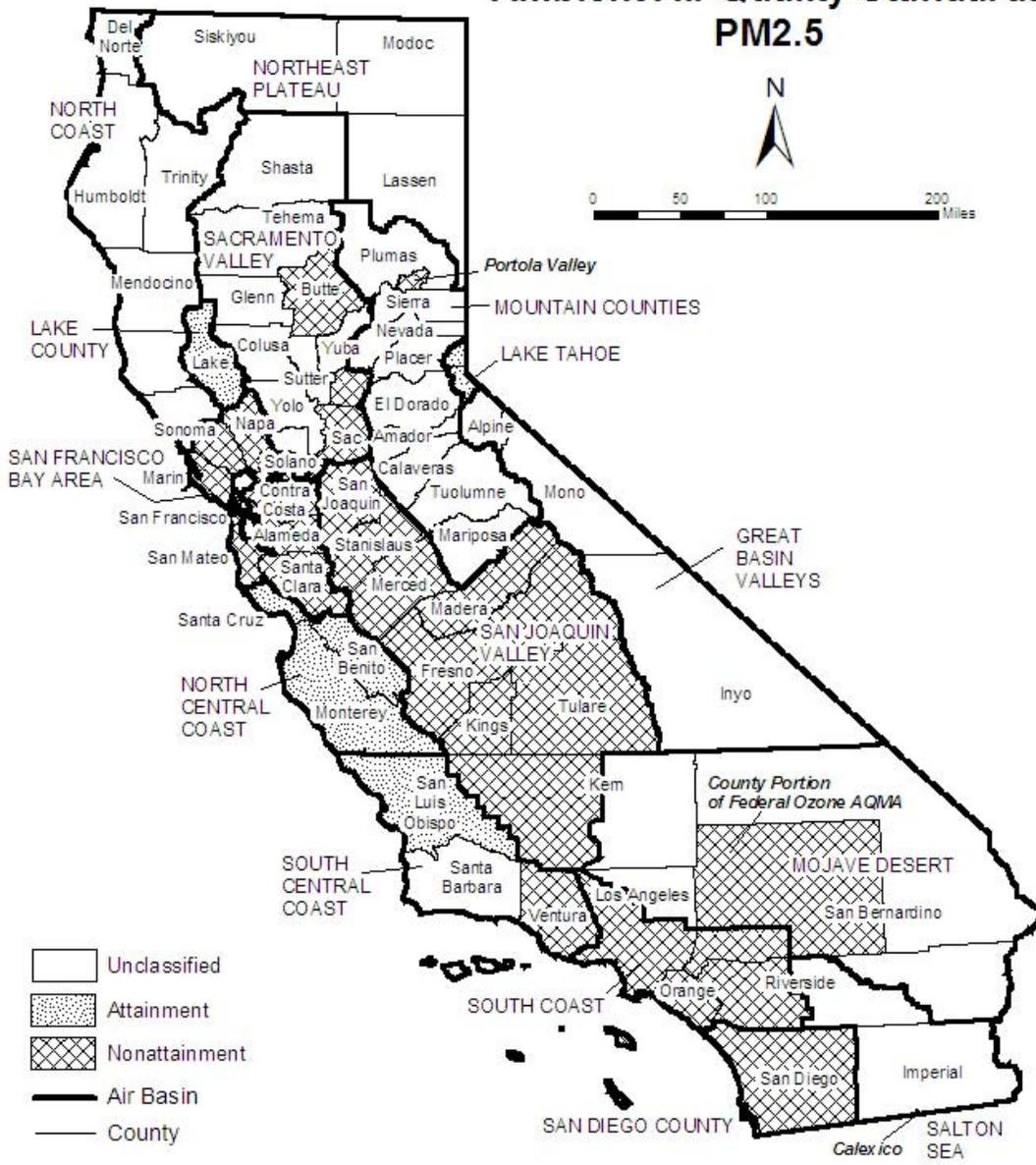
TABLE 2

**California Ambient Air Quality Standards  
Area Designations for Suspended Particulate Matter (PM10)**

	N	U	A		N	U	A
<b>NORTH COAST AIR BASIN (NCAB)</b>				<b>SALTON SEA AIR BASIN</b>	X		
Sonoma County (NCAB portion )			X	<b>MOUNTAIN COUNTIES AIR BASIN (MCAB)</b>			
Remainder of Air Basin	X			Amador County		X	
<b>SAN FRANCISCO BAY AREA AIR BASIN</b>	X			Calaveras County	X		
<b>NORTH CENTRAL COAST AIR BASIN</b>	X			El Dorado County (MCAB portion)	X		
<b>SOUTH CENTRAL COAST AIR BASIN</b>	X			Mariposa County			
<b>SOUTH COAST AIR BASIN</b>	X			-Yosemite National Park	X		
<b>SAN DIEGO AIR BASIN</b>	X			-Remainder of County		X	
<b>NORTHEAST PLATEAU AIR BASIN</b>				Nevada County	X		
Siskiyou County			X	Placer County (MCAB portion)	X		
Remainder of Air Basin	X			Plumas County	X		
<b>SACRAMENTO VALLEY AIR BASIN</b>	X			Sierra County	X		
<b>SAN JOAQUIN VALLEY AIR BASIN</b>	X			Tuolumne County		X	
<b>GREAT BASIN VALLEYS AIR BASIN</b>	X			<b>LAKE COUNTY AIR BASIN</b>			X
<b>MOJAVE DESERT AIR BASIN</b>	X			<b>LAKE TAHOE AIR BASIN</b>	X		

FIGURE 3

2006  
 Area Designations for State  
 Ambient Air Quality Standards  
 PM<sub>2.5</sub>



Source Date:  
 August 2006  
 Air Quality Data Branch, PTSD

TABLE 3

**California Ambient Air Quality Standards  
Area Designations for Fine Particulate Matter (PM2.5)**

	N	U	A		N	U	A
<b>NORTH COAST AIR BASIN</b>		X		<b>GREAT BASIN VALLEYS AIR BASIN</b>		X	
<b>SAN FRANCISCO BAY AREA AIR BASIN</b>	X			<b>MOJAVE DESERT AIR BASIN</b>			
<b>NORTH CENTRAL COAST AIR BASIN</b>			X	San Bernardino County			
<b>SOUTH CENTRAL COAST AIR BASIN</b>				- County portion of federal Southeast Desert Modified AQMA for Ozone (1)	X		
San Luis Obispo County			X	Remainder of Air Basin		X	
Santa Barbara County		X		<b>SALTON SEA AIR BASIN</b>			
Ventura County	X			Imperial County			
<b>SOUTH COAST AIR BASIN</b>	X			- City of Calexico (2)	X		
<b>SAN DIEGO AIR BASIN</b>	X			Remainder of Air Basin		X	
<b>NORTHEAST PLATEAU AIR BASIN</b>		X		<b>MOUNTAIN COUNTIES AIR BASIN</b>			
<b>SACRAMENTO VALLEY AIR BASIN (SVAB)</b>				Plumas County			
Butte County	X			- Portola Valley (3)	X		
Sacramento County	X			Remainder of Air Basin		X	
Placer County (SVAB portion)	X			<b>LAKE COUNTY AIR BASIN</b>			X
Remainder of Air Basin		X		<b>LAKE TAHOE AIR BASIN</b>			X
<b>SAN JOAQUIN VALLEY AIR BASIN</b>	X						

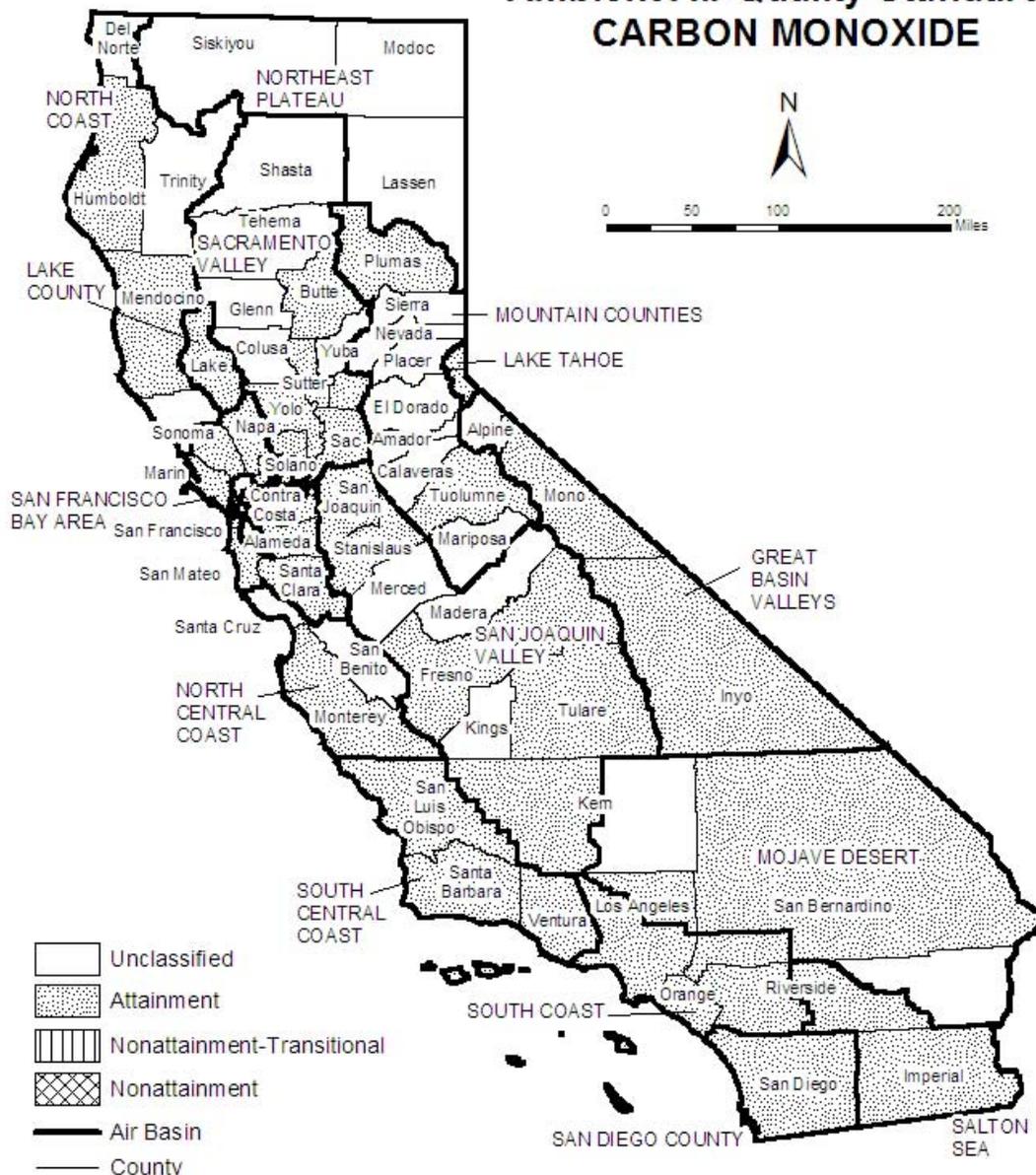
(1) California Code of Regulations, title 17, section 60200(b).

(2) California Code of Regulations, title 17, section 60200(a).

(3) California Code of Regulations, title 17, section 60200(c).

**FIGURE 4**

**2006  
Area Designations for State  
Ambient Air Quality Standards  
CARBON MONOXIDE**



Source Date:  
August 2006  
Air Quality Data Branch, PTSD

TABLE 4

California Ambient Air Quality Standards  
Area Designations for Carbon Monoxide\*

	N	NT	U	A		N	NT	U	A
<b>NORTH COAST AIR BASIN (NCAB)</b>					<b>SAN JOAQUIN VALLEY AIR BASIN (SJVAB)</b>				
Del Norte County			X		Fresno County				X
Humboldt County				X	Kern County (SJVAB portion)				X
Mendocino County				X	Kings County			X	
Sonoma County (NCAB portion)			X		Madera County			X	
Trinity County			X		Merced County			X	
<b>SAN FRANCISCO BAY AREA AIR BASIN</b>				X	San Joaquin County				X
<b>NORTH CENTRAL COAST AIR BASIN</b>					Stanislaus County				X
Monterey County				X	Tulare County				X
San Benito County			X		<b>GREAT BASIN VALLEYS AIR BASIN</b>				
Santa Cruz County			X		Alpine County			X	
<b>SOUTH CENTRAL COAST AIR BASIN</b>				X	Inyo County				X
<b>SOUTH COAST AIR BASIN (SoCAB)</b>					Mono County				X
Los Angeles County (SoCAB portion)				X	<b>MOJAVE DESERT AIR BASIN (MDAB)</b>				
Orange County				X	Kern County (MDAB portion)			X	
Riverside County (SoCAB portion)				X	Los Angeles County (MDAB portion)				X
San Bernardino County (SoCAB portion)				X	Riverside County (MDAB portion)			X	
<b>SAN DIEGO AIR BASIN</b>				X	San Bernardino County (MDAB portion)				X
<b>NORTHEAST PLATEAU AIR BASIN</b>			X		<b>SALTON SEA AIR BASIN (SSAB)</b>				
<b>SACRAMENTO VALLEY AIR BASIN (SVAB)</b>					Imperial County				X
Butte County				X	Riverside County (SSAB portion)				X
Colusa County			X		<b>MOUNTAIN COUNTIES AIR BASIN (MCAB)</b>				
Glenn County			X		Amador County			X	
Placer County (SVAB portion)				X	Calaveras County			X	
Sacramento County				X	El Dorado County (MCAB portion)			X	
Shasta County			X		Mariposa County			X	
Solano County (SVAB portion)				X	Nevada County			X	
Sutter County				X	Placer County (MCAB portion)			X	
Tehama County			X		Plumas County				X
Yolo County				X	Sierra County			X	
Yuba County			X		Tuolumne County				X
					<b>LAKE COUNTY AIR BASIN</b>				X
					<b>LAKE TAHOE AIR BASIN</b>				X

\* The area designated for carbon monoxide is a county or portion of a county.

FIGURE 5

2006  
Area Designations for State  
Ambient Air Quality Standards  
NITROGEN DIOXIDE



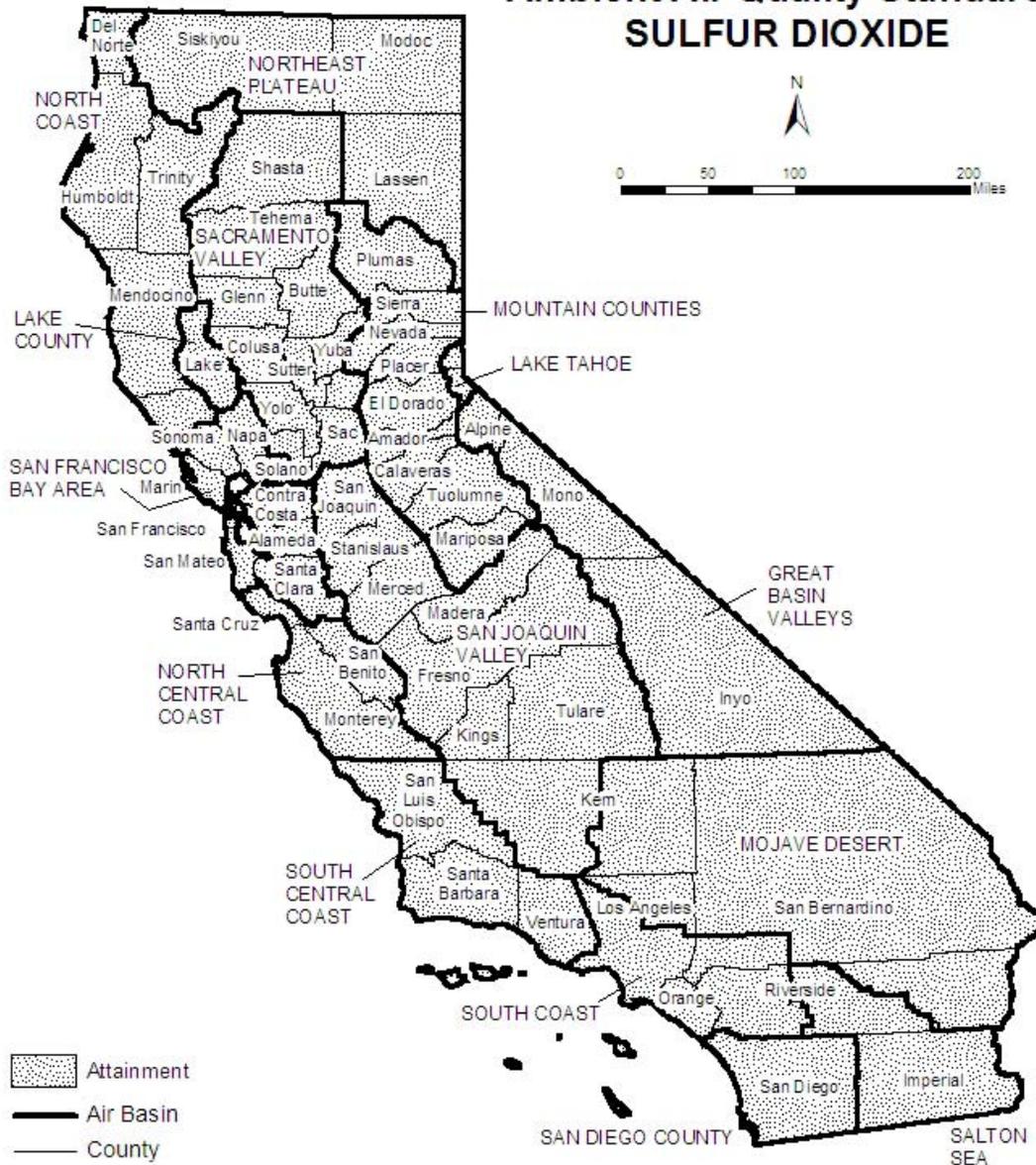
TABLE 5

**California Ambient Air Quality Standards  
Area Designations for Nitrogen Dioxide**

	N	NT	U	A		N	NT	U	A
NORTH COAST AIR BASIN				X	SAN JOAQUIN VALLEY AIR BASIN				X
SAN FRANCISCO BAY AREA AIR BASIN				X	GREAT BASIN VALLEYS AIR BASIN				X
NORTH CENTRAL COAST AIR BASIN				X	MOJAVE DESERT AIR BASIN				X
SOUTH CENTRAL COAST AIR BASIN				X	SALTON SEA AIR BASIN				X
SOUTH COAST AIR BASIN				X	MOUNTAIN COUNTIES AIR BASIN				X
SAN DIEGO AIR BASIN				X	LAKE COUNTY AIR BASIN				X
NORTHEAST PLATEAU AIR BASIN				X	LAKE TAHOE AIR BASIN				X
SACRAMENTO VALLEY AIR BASIN				X					

FIGURE 6

2006  
Area Designations for State  
Ambient Air Quality Standards  
SULFUR DIOXIDE



Source Date:  
August 2006  
Air Quality Data Branch, PTSD

TABLE 6

**California Ambient Air Quality Standards  
Area Designations for Sulfur Dioxide\***

	N	NT	U	A		N	NT	U	A
NORTH COAST AIR BASIN				X	SAN JOAQUIN VALLEY AIR BASIN				X
SAN FRANCISCO BAY AREA AIR BASIN				X	GREAT BASIN VALLEYS AIR BASIN				X
NORTH CENTRAL COAST AIR BASIN				X	MOJAVE DESERT AIR BASIN				X
SOUTH CENTRAL COAST AIR BASIN				X	SALTON SEA AIR BASIN				X
SOUTH COAST AIR BASIN				X	MOUNTAIN COUNTIES AIR BASIN				X
SAN DIEGO AIR BASIN				X	LAKE COUNTY AIR BASIN				X
NORTHEAST PLATEAU AIR BASIN				X	LAKE TAHOE AIR BASIN				X
SACRAMENTO VALLEY AIR BASIN				X					

\* The area designated for sulfur dioxide is a county or portion of a county.

FIGURE 7

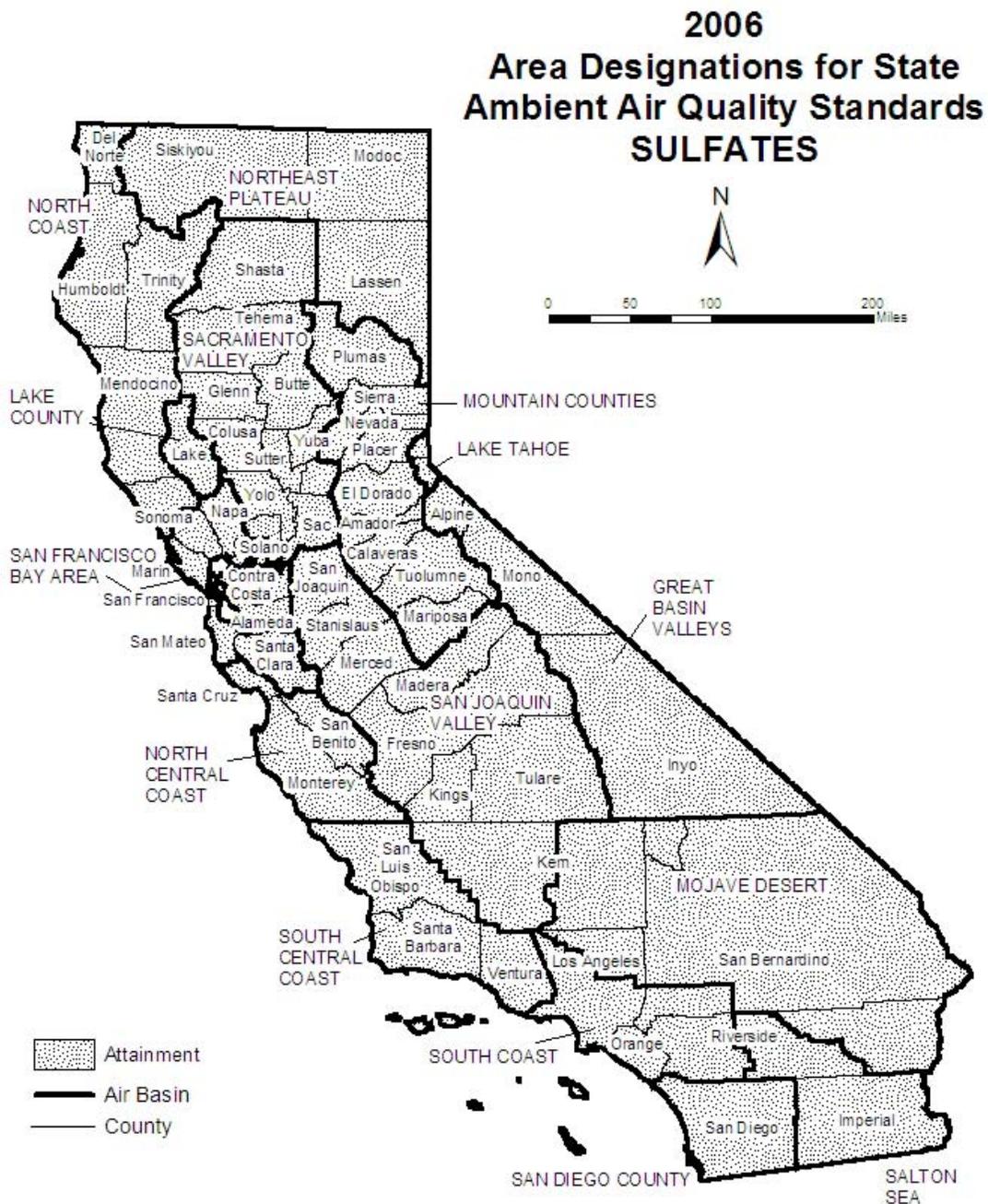


TABLE 7

**California Ambient Air Quality Standards  
Area Designations for Sulfates**

	N	U	A		N	U	A
NORTH COAST AIR BASIN			X	SAN JOAQUIN VALLEY AIR BASIN			X
SAN FRANCISCO BAY AREA AIR BASIN			X	GREAT BASIN VALLEYS AIR BASIN			X
NORTH CENTRAL COAST AIR BASIN			X	MOJAVE DESERT AIR BASIN			X
SOUTH CENTRAL COAST AIR BASIN			X	SALTON SEA AIR BASIN			X
SOUTH COAST AIR BASIN			X	MOUNTAIN COUNTIES AIR BASIN			X
SAN DIEGO AIR BASIN			X	LAKE COUNTY AIR BASIN			X
NORTHEAST PLATEAU AIR BASIN			X	LAKE TAHOE AIR BASIN			X
SACRAMENTO VALLEY AIR BASIN			X				

FIGURE 8

2006  
Area Designations for State  
Ambient Air Quality Standards  
LEAD

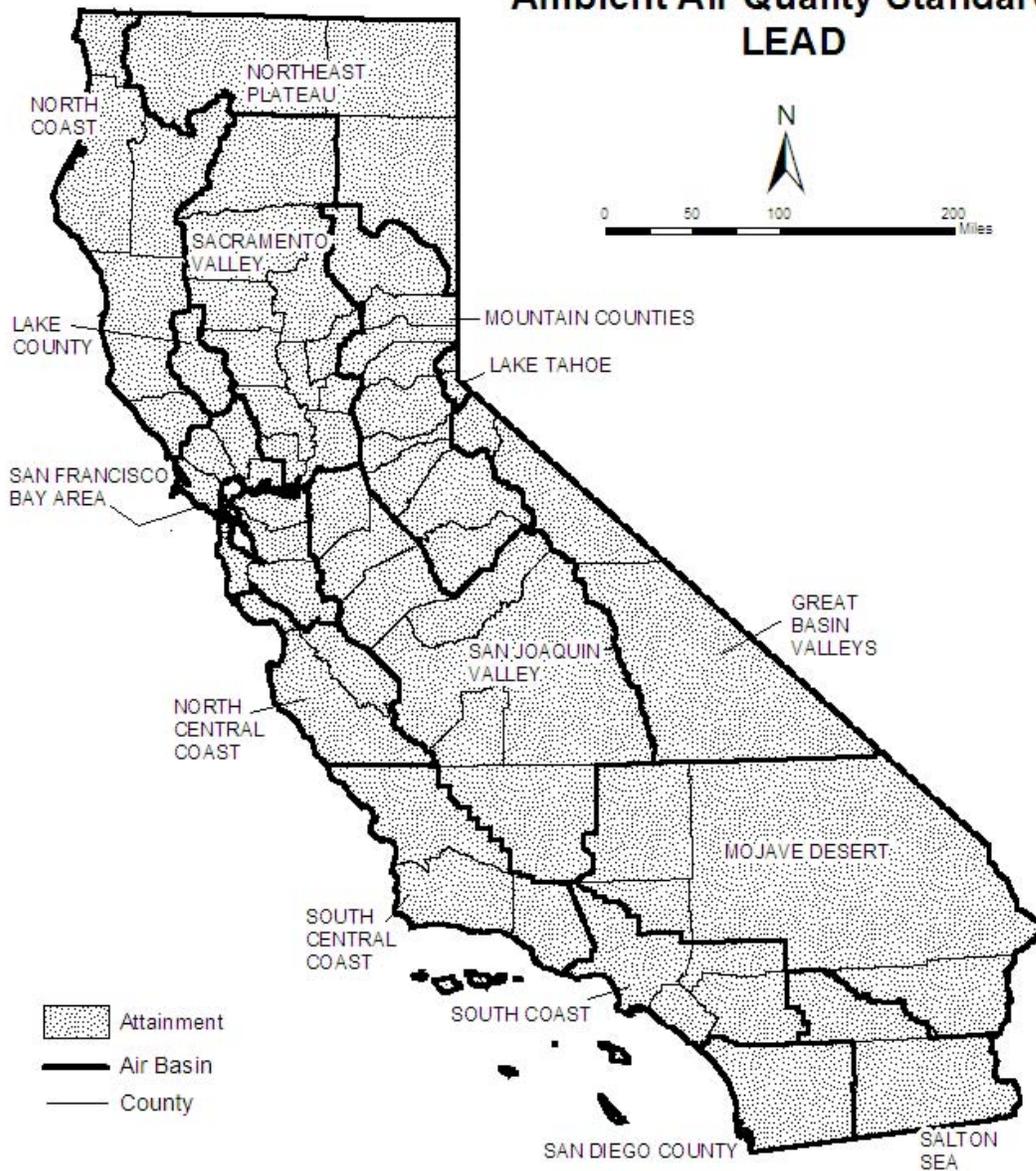


TABLE 8

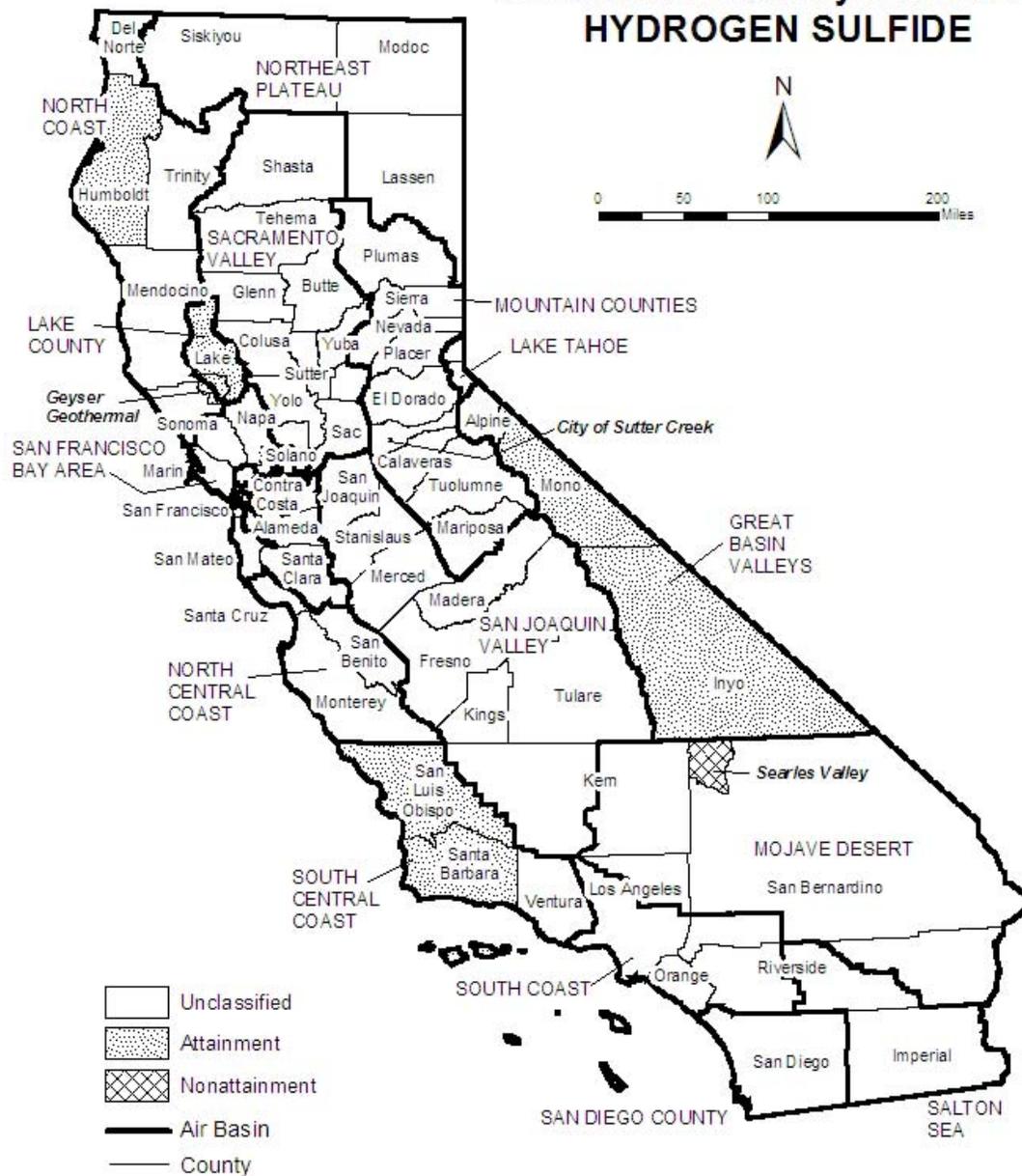
**California Ambient Air Quality Standards  
Area Designations for Lead (particulate)\***

	N	U	A		N	U	A
NORTH COAST AIR BASIN			X	SAN JOAQUIN VALLEY AIR BASIN			X
SAN FRANCISCO BAY AREA AIR BASIN			X	GREAT BASIN VALLEYS AIR BASIN			X
NORTH CENTRAL COAST AIR BASIN			X	MOJAVE DESERT AIR BASIN			X
SOUTH CENTRAL COAST AIR BASIN			X	SALTON SEA AIR BASIN			X
SOUTH COAST AIR BASIN			X	MOUNTAIN COUNTIES AIR BASIN			X
SAN DIEGO AIR BASIN			X	LAKE COUNTY AIR BASIN			X
NORTHEAST PLATEAU AIR BASIN			X	LAKE TAHOE AIR BASIN			X
SACRAMENTO VALLEY AIR BASIN			X				

\* The area designated for lead is a county or portion of a county.

FIGURE 9

2006  
 Area Designations for State  
 Ambient Air Quality Standards  
 HYDROGEN SULFIDE



Source Date:  
 August 2006  
 Air Quality Data Branch, PTSD

TABLE 9

**California Ambient Air Quality Standards  
Area Designations for Hydrogen Sulfide\***

	N	NT	U	A		N	NT	U	A
<b>NORTH COAST AIR BASIN (NCAB)</b>					<b>MOJAVE DESERT AIR BASIN (MDAB)</b>				
Del Norte County			X		Kern County (MDAB portion)			X	
Humboldt County				X	Los Angeles County (MDAB portion)			X	
Mendocino County			X		Riverside County (MDAB portion)			X	
Sonoma County (NCAB portion)					San Bernardino County (MDAB portion)				
-Geyser Geothermal Area (1)				X	-Searles Valley Planning Area (2)	X			
-Remainder of County			X		-Remainder of County			X	
Trinity County			X		<b>SALTON SEA AIR BASIN</b>			X	
<b>SAN FRANCISCO BAY AREA AIR BASIN</b>			X		<b>MOUNTAIN COUNTIES AIR BASIN (MCAB)</b>				
<b>NORTH CENTRAL COAST AIR BASIN</b>			X		Amador County				
<b>SOUTH CENTRAL COAST AIR BASIN</b>					-City of Sutter Creek	X			
San Luis Obispo County				X	-Remainder of County			X	
Santa Barbara County				X	Calaveras County			X	
Ventura County			X		El Dorado County (MCAB portion)			X	
<b>SOUTH COAST AIR BASIN</b>			X		Mariposa County			X	
<b>SAN DIEGO AIR BASIN</b>			X		Nevada County			X	
<b>NORTHEAST PLATEAU AIR BASIN</b>			X		Placer County (MCAB portion)			X	
<b>SACRAMENTO VALLEY AIR BASIN</b>			X		Plumas County			X	
<b>SAN JOAQUIN VALLEY AIR BASIN</b>			X		Sierra County			X	
<b>GREAT BASIN VALLEYS AIR BASIN</b>					Tuolumne County			X	
Alpine County			X		<b>LAKE COUNTY AIR BASIN</b>				X
Mono County				X	<b>LAKE TAHOE AIR BASIN</b>			X	
Inyo County				X					

\* The area designated for hydrogen sulfide is a county or portion of a county.

(1) California Code of Regulations, title 17, section 60200(d)

(2) 52 Federal Register 29384 (August 7, 1987)

FIGURE 10

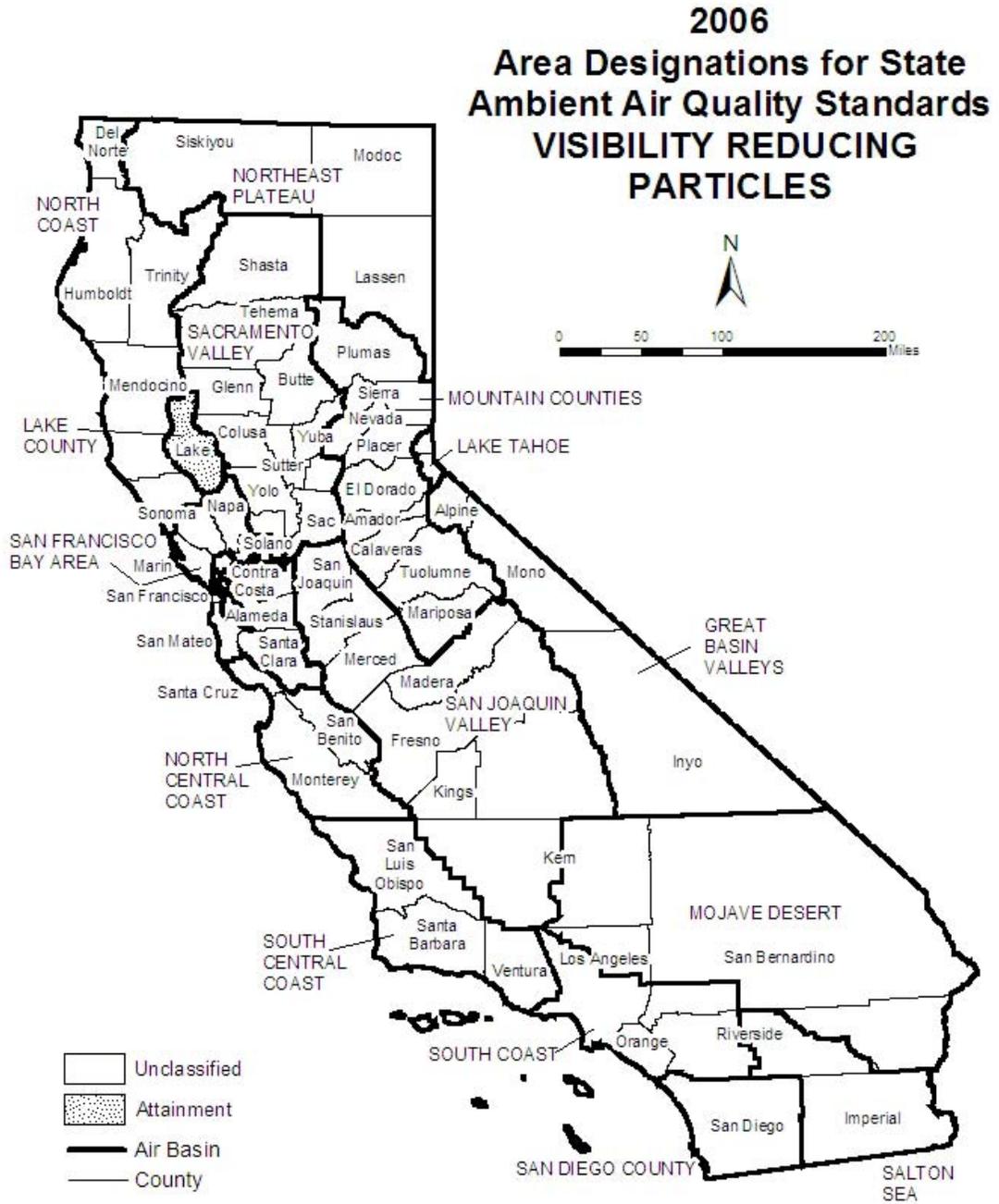


TABLE 10

**California Ambient Air Quality Standards  
Area Designations for Visibility Reducing Particles**

	N	NT	U	A		N	NT	U	A
NORTH COAST AIR BASIN			X		SAN JOAQUIN VALLEY AIR BASIN			X	
SAN FRANCISCO BAY AREA AIR BASIN			X		GREAT BASIN VALLEYS AIR BASIN			X	
NORTH CENTRAL COAST AIR BASIN			X		MOJAVE DESERT AIR BASIN			X	
SOUTH CENTRAL COAST AIR BASIN			X		SALTON SEA AIR BASIN			X	
SOUTH COAST AIR BASIN			X		MOUNTAIN COUNTIES AIR BASIN			X	
SAN DIEGO AIR BASIN			X		LAKE COUNTY AIR BASIN				X
NORTHEAST PLATEAU AIR BASIN			X		LAKE TAHOE AIR BASIN			X	
SACRAMENTO VALLEY AIR BASIN			X						

## ***Area Designations for the National Ambient Air Quality Standards***

This section contains a description of the area designations for each pollutant for which there is a national ambient air quality standard, except lead. The national lead standard was promulgated after the federal Clean Air Act was amended in 1977, and in promulgating the national lead standard, the U.S. EPA did not require areas to be designated in a manner similar to other pollutants. The area designations for each pollutant are presented in the form of a map and a summary table.

The U.S. EPA uses two categories to designate areas with respect to nitrogen dioxide. These designation categories are:

- Does not meet primary standards, and
- Cannot be classified or better than national standards.

Areas that do not meet the primary national standards for these pollutants are indicated on the following maps and summary tables as “N” for nonattainment. Areas that cannot be classified or are better than the national standards are indicated as “U/A” for unclassified/attainment.

The U.S. EPA uses four categories to designate areas with respect to sulfur dioxide. These designation categories are:

- Does not meet the primary standards,
- Does not meet the secondary standards,
- Cannot be classified, and
- Better than the national standards.

In California, the first two designation categories listed above are not applicable because all areas of California either meet the primary and secondary standards or are unclassifiable. The map and summary table for sulfur dioxide show areas that cannot be classified as “U” for unclassifiable and areas that are better than the national standards as “A” for attainment.

Two categories are used to designate areas with respect to carbon monoxide and fine suspended particulate matter (PM<sub>2.5</sub>). These designation categories are:

- Nonattainment, and
- Unclassifiable/Attainment.

The revised National PM<sub>2.5</sub> standard became effective May 5, 2005.

Finally, the U.S. EPA uses three categories to designate areas with respect to ozone and suspended particulate matter (PM10). These designation categories are:

- Attainment,
- Nonattainment, and
- Unclassifiable.

The National 1-hour ozone standard was revoked effective June 15, 2005; the National 8-hour ozone standard is still in effect.

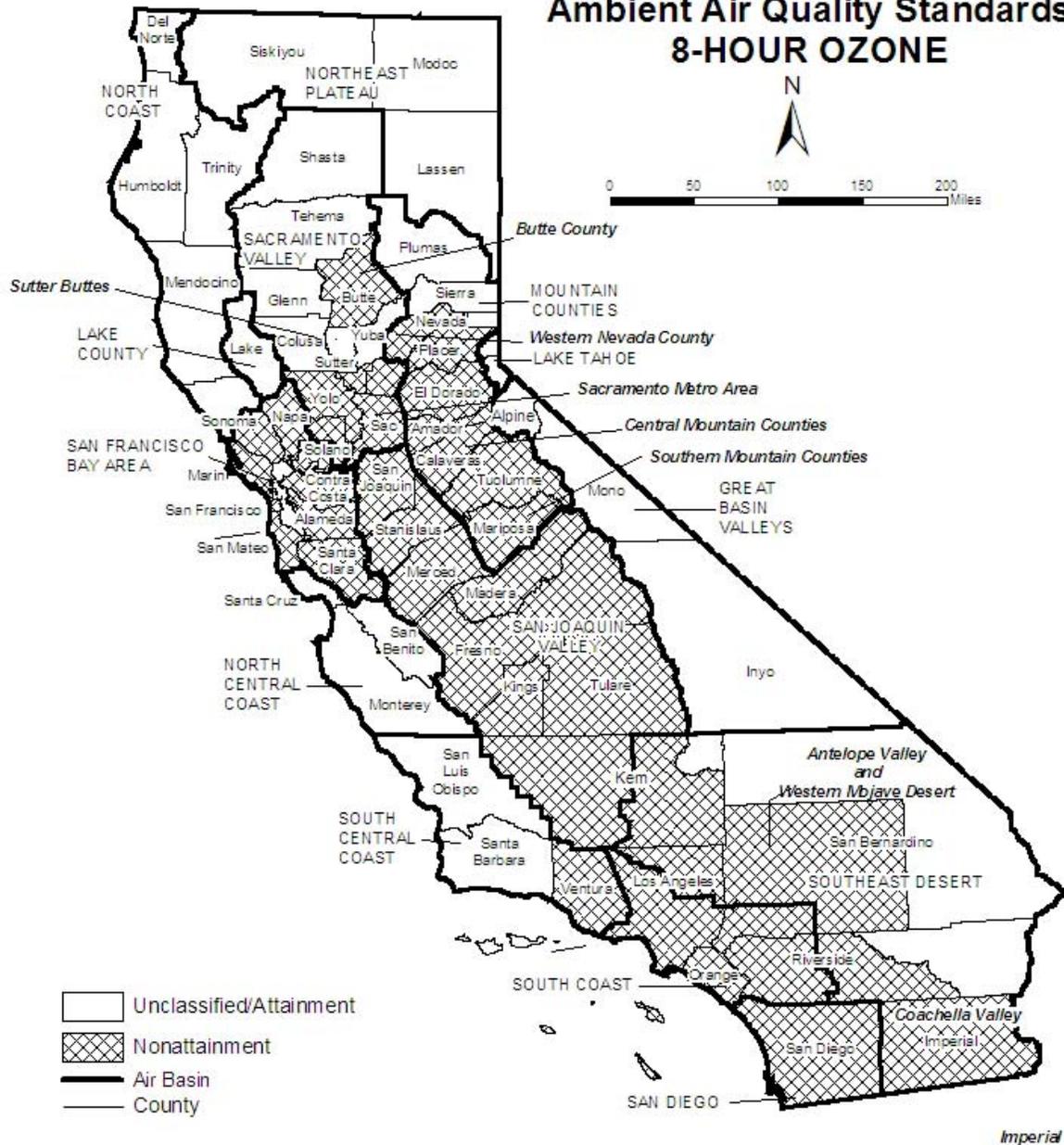
From time to time, the boundaries of the California air basins have been changed to facilitate the planning process. The Board generally initiates these changes, and they are not always reflected in the U.S. EPA's area designations for California. For purposes of consistency, all maps in this attachment reflect area designation boundaries and nomenclature as promulgated by the U.S. EPA. In some cases, these may not be the same as those adopted by the Board. For example, the national area designations reflect the former Southeast Desert Air Basin. In accordance with Health and Safety Code section 39606.1, the Board redefined this area in 1996 to be the Mojave Desert Air Basin and Salton Sea Air Basin. The definitions and boundaries for all areas designated for the national standards can be found in Title 40, Code of Federal Regulations (CFR), Chapter I, Part 81.305. They are available on the web at:

*[http://www.access.gpo.gov/nara/cfr/waisidx\\_05/40cfr81\\_05.html](http://www.access.gpo.gov/nara/cfr/waisidx_05/40cfr81_05.html)*

Once at this website, scroll down to Part 81.305 to view the California area designations.

FIGURE 11

**Area Designations for National Ambient Air Quality Standards  
8-HOUR OZONE**



Source Date:  
July 2005  
Air Quality Data Branch, PTSD

TABLE 11

**National Ambient Air Quality Standards  
Area Designations for 8-Hour Ozone\***

	N	U/A		N	U/A
<b>NORTH COAST AIR BASIN</b>		X	<b>SOUTHEAST DESERT AIR BASIN (SEDAB)</b>		
<b>SAN FRANCISCO BAY AREA AIR BASIN</b>	X		Kern County (SEDAB portion)	X	
<b>NORTH CENTRAL COAST AIR BASIN</b>		X	Imperial County	X	
<b>SOUTH CENTRAL COAST AIR BASIN</b>			Los Angeles County (SEDAB portion)	X	
San Luis Obispo County		X	Riverside County (SEDAB portion)		
Santa Barbara County		X	- Coachella Valley	X	
Ventura County			- Non-AQMA portion		X
- Area excluding Anacapa and San Nicolas Islands	X		San Bernardino County		
Channel Islands (1)		X	- Western portion (AQMA)	X	
<b>SOUTH COAST AIR BASIN (1)</b>	X		- Eastern portion (non-AQMA)		X
<b>SAN DIEGO COUNTY</b>	X		<b>MOUNTAIN COUNTIES AIR BASIN (MCAB)</b>		
<b>NORTHEAST PLATEAU AIR BASIN</b>		X	Central Mountain Counties		
<b>SACRAMENTO VALLEY AIR BASIN (SVAB)</b>			- Amador County	X	
Butte County	X		- Calaveras County	X	
Colusa County		X	Southern Mountain Counties		
Glenn County		X	- Mariposa County	X	
Sacramento Metro Area (2)	X		- Tuolumne County	X	
Shasta County		X	El Dorado County (MCAB portion) (2)	X	
Sutter County			Nevada County		
- Sutter County (Sutter Buttes)	X		- Western Nevada County	X	
- Remainder of North Sutter County		X	- Remainder of County		X
Tehama County		X	Placer County (MCAB portion) (2)	X	
Yuba County		X	Plumas County		X
<b>SAN JOAQUIN VALLEY AIR BASIN</b>	X		Sierra County		X
<b>GREAT BASIN VALLEYS AIR BASIN</b>		X	<b>LAKE COUNTY AIR BASIN</b>		X
			<b>LAKE TAHOE AIR BASIN</b>		X

\* Definitions and references for all areas can be found in 40 CFR, Chapter I, Part 81.305.

(1) South Central Coast Air Basin Channel Islands:

Santa Barbara County includes Santa Cruz, San Miguel, Santa Rosa, and Santa Barbara Islands.

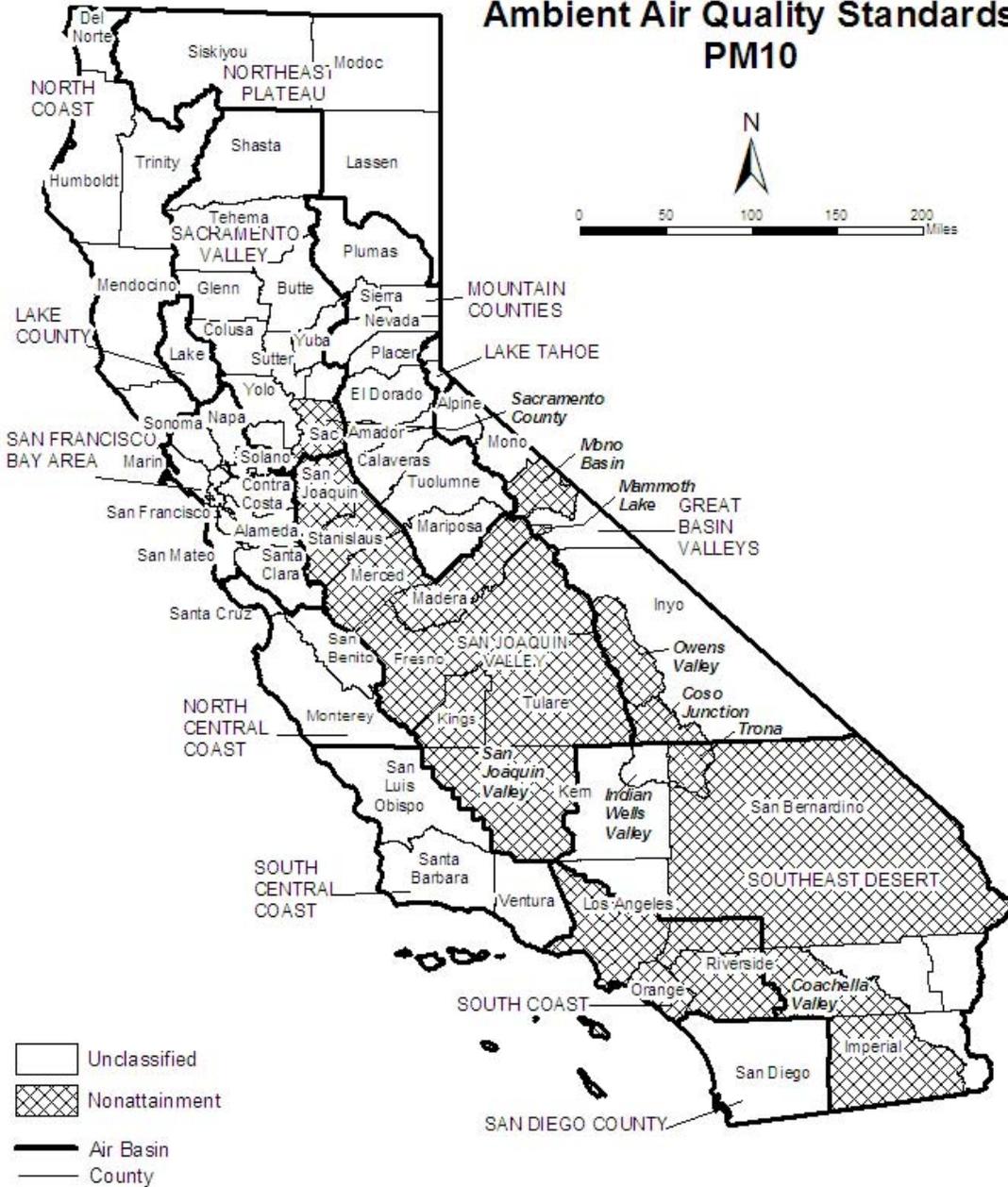
Ventura County includes Anacapa and San Nicolas Islands.

Note that the San Clemente and Santa Catalina Islands are considered part of Los Angeles County, and therefore, are included as part of the South Coast Air Basin.

(2) Sacramento Metro Area comprises all of Sacramento and Yolo counties, the SVAB portion of Solano County, the southern portion of Sutter County, and the SVAB and MCAB portions of Placer and El Dorado counties.

FIGURE 12

Area Designations for National Ambient Air Quality Standards  
PM10



Source Date:  
July 2005  
Air Quality Data Branch, PTSD

TABLE 12

**National Ambient Air Quality Standards  
Area Designations for Suspended Particulate Matter (PM10)\***

	N	U		N	U
<b>NORTH COAST AIR BASIN</b>		X	<b>GREAT BASIN VALLEYS AIR BASIN (cont.)</b>		
<b>SAN FRANCISCO BAY AREA AIR BASIN</b>		X	Mono County		
<b>NORTH CENTRAL COAST AIR BASIN</b>		X	-Mammoth Lake Planning Area	X	
<b>SOUTH CENTRAL COAST AIR BASIN</b>		X	-Mono Lake Basin	X	
<b>SOUTH COAST AIR BASIN</b>	X		-Remainder of County		X
<b>SAN DIEGO COUNTY</b>		X	<b>SOUTHEAST DESERT AIR BASIN (SEDAB)</b>		
<b>NORTHEAST PLATEAU AIR BASIN</b>		X	Eastern Kern County		
<b>SACRAMENTO VALLEY AIR BASIN (SVAB)</b>			-Indian Wells Valley		X
Butte County		X	-Remainder of County		X
Colusa County		X	Los Angeles County (SEDAB portion)		X
Glenn County		X	Riverside County		
Sacramento County (1)	X		-Coachella Valley Planning Area	X	
Shasta County		X	-Remainder of County		X
Solano County (SVAB portion)		X	San Bernardino County		
Sutter County		X	-Trona	X	
Tehama County		X	-Remainder of County	X	
Yolo County		X	Imperial County		
Yuba County		X	-Imperial Valley Planning Area	X	
<b>SAN JOAQUIN VALLEY AIR BASIN</b>	X		-Remainder of County		X
<b>GREAT BASIN VALLEYS AIR BASIN</b>			<b>MOUNTAIN COUNTIES AIR BASIN</b>		
Alpine County		X	Placer County (SVAB/MCAB portion) (2)		X
Inyo County			Remainder of Air Basin		X
-Owens Valley Planning Area	X		<b>LAKE COUNTY AIR BASIN</b>		X
-Coso Junction	X		<b>LAKE TAHOE AIR BASIN</b>		X
-Remainder of County		X			

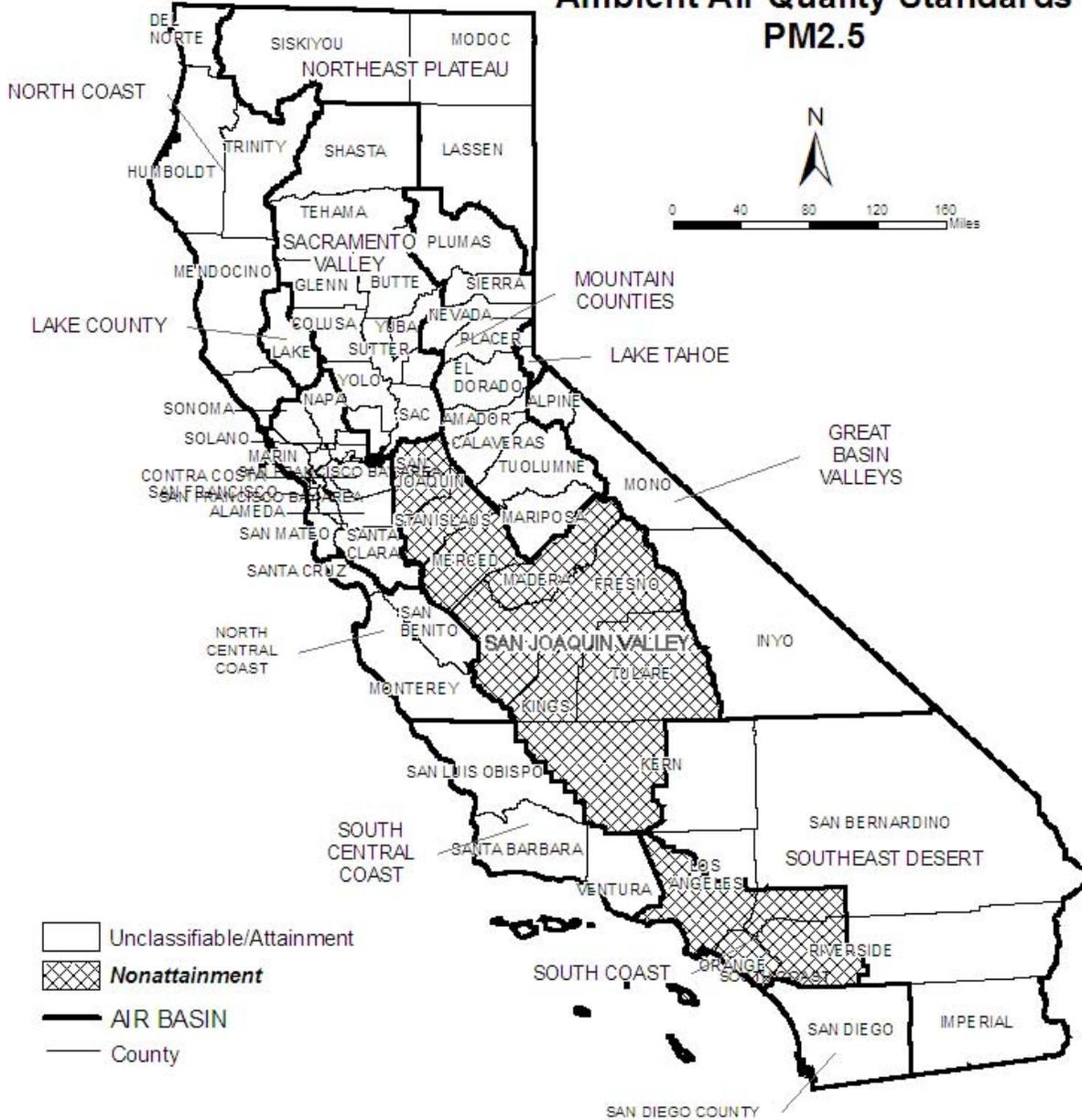
\* Definitions and references for all areas can be found in 40 CFR, Chapter I, Part 81.305.

(1) Sacramento's air quality meets the federal PM10 standards. U.S. EPA is preparing a finding of attainment.

(2) U.S. EPA designation puts the SVAB portion of Placer County in the MCAB.

FIGURE 13

Area Designations for National Ambient Air Quality Standards  
PM2.5



Source Date:  
July 2005  
Air Quality Data Branch, PTSD

TABLE 13

**National Ambient Air Quality Standards  
Area Designations for Fine Suspended Particulate Matter (PM2.5)\***

	N	U/A		N	U/A
NORTH COAST AIR BASIN		X	SACRAMENTO VALLEY AIR BASIN		X
SAN FRANCISCO BAY AREA AIR BASIN		X	SAN JOAQUIN VALLEY AIR BASIN	X	
NORTH CENTRAL COAST AIR BASIN		X	GREAT BASIN VALLEYS AIR BASIN		X
SOUTH CENTRAL COAST AIR BASIN		X	SOUTHEAST DESERT AIR BASIN		X
SOUTH COAST AIR BASIN	X		MOUNTAIN COUNTIES AIR BASIN		X
SAN DIEGO COUNTY		X	LAKE COUNTY AIR BASIN		X
NORTHEAST PLATEAU AIR BASIN		X	LAKE TAHOE AIR BASIN		X

\* Definitions and references for all areas can be found in 40 CFR, Chapter I, Part 81.305.

FIGURE 14

**Area Designations for National Ambient Air Quality Standards  
CARBON MONOXIDE**

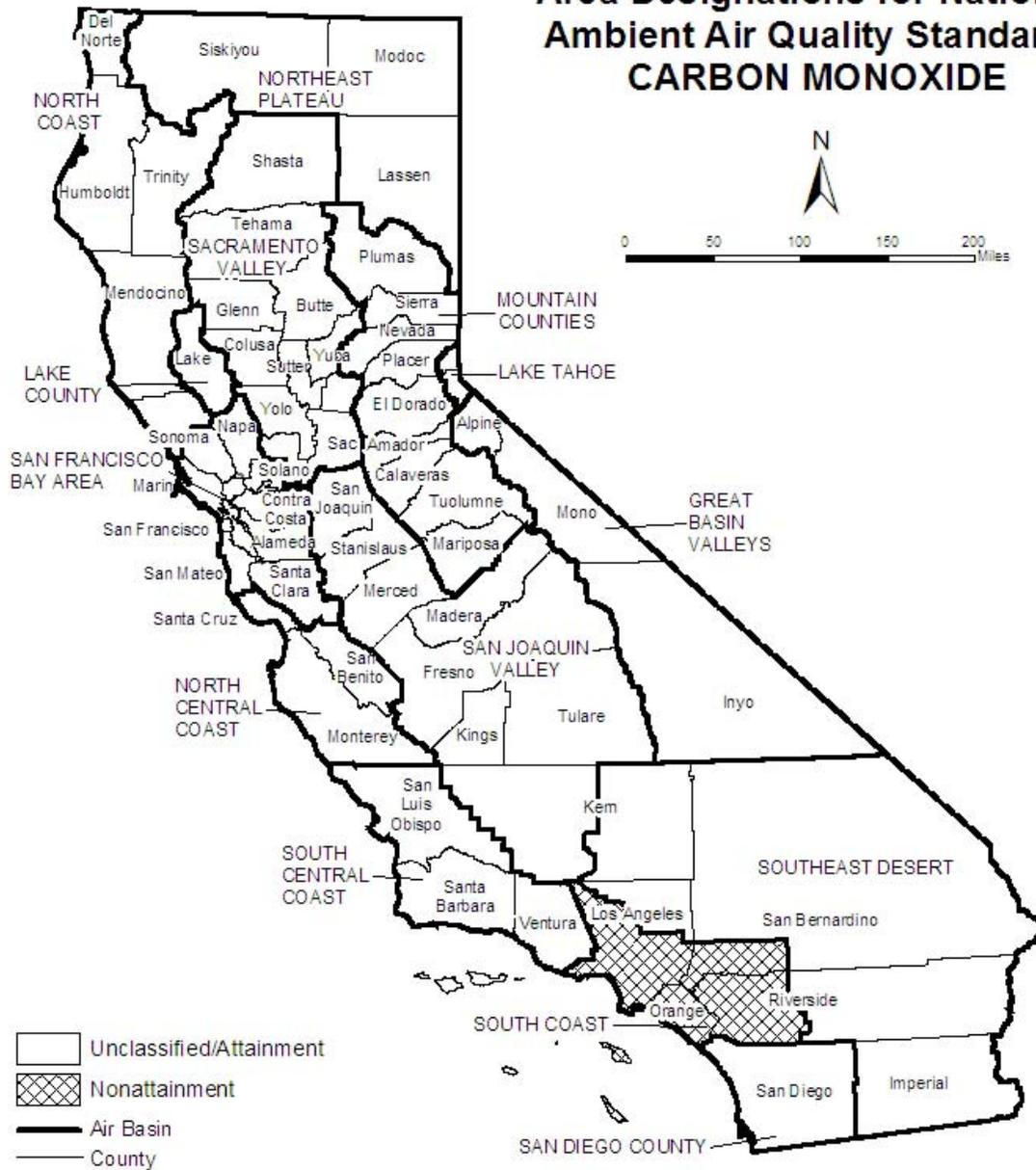


TABLE 14

**National Ambient Air Quality Standards  
Area Designations for Carbon Monoxide\***

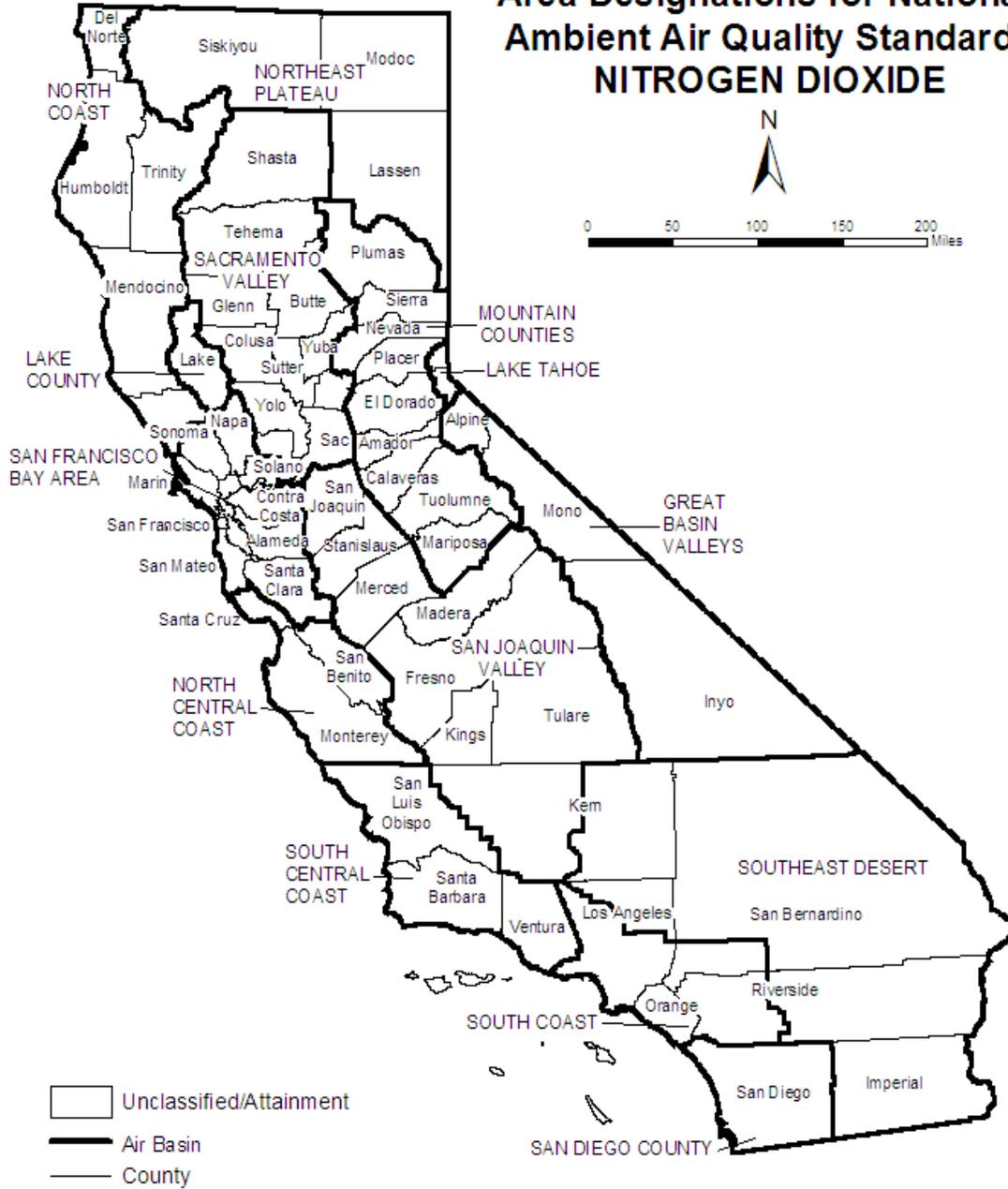
	N	U/A		N	U/A
NORTH COAST AIR BASIN		X	SACRAMENTO VALLEY AIR BASIN		X
SAN FRANCISCO BAY AREA AIR BASIN		X	SAN JOAQUIN VALLEY AIR BASIN		X
NORTH CENTRAL COAST AIR BASIN		X	GREAT BASIN VALLEYS AIR BASIN		X
SOUTH CENTRAL COAST AIR BASIN		X	SOUTHEAST DESERT AIR BASIN		X
SOUTH COAST AIR BASIN (1)	X		MOUNTAIN COUNTIES AIR BASIN		X
SAN DIEGO COUNTY		X	LAKE COUNTY AIR BASIN		X
NORTHEAST PLATEAU AIR BASIN		X	LAKE TAHOE AIR BASIN		X

\* Definitions and references for all areas can be found in 40 CFR, Chapter I, Part 81.305.

(1) This area has air quality that meets the national CO standards.

**FIGURE 15**

**Area Designations for National Ambient Air Quality Standards  
NITROGEN DIOXIDE**



Source Date:  
July 2005  
Air Quality Data Branch, PTSD

TABLE 15

**National Ambient Air Quality Standards  
Area Designations for Nitrogen Dioxide\***

	N	U/A		N	U/A
NORTH COAST AIR BASIN		X	SACRAMENTO VALLEY AIR BASIN		X
SAN FRANCISCO BAY AREA AIR BASIN		X	SAN JOAQUIN VALLEY AIR BASIN		X
NORTH CENTRAL COAST AIR BASIN		X	GREAT BASIN VALLEYS AIR BASIN		X
SOUTH CENTRAL COAST AIR BASIN		X	SOUTHEAST DESERT AIR BASIN		X
SOUTH COAST AIR BASIN		X	MOUNTAIN COUNTIES AIR BASIN		X
SAN DIEGO COUNTY		X	LAKE COUNTY AIR BASIN		X
NORTHEAST PLATEAU AIR BASIN		X	LAKE TAHOE AIR BASIN		X

\* Definitions and references for all areas can be found in 40 CFR, Chapter I, Part 81.305.



TABLE 16

**National Ambient Air Quality Standards  
Area Designations for Sulfur Dioxide\***

	A	U		A	U
<b>NORTH COAST AIR BASIN</b>		X	<b>SAN JOAQUIN VALLEY AIR BASIN (cont.)</b>		
<b>SAN FRANCISCO BAY AREA AIR BASIN</b>	X		Kings County		X
<b>NORTH CENTRAL COAST AIR BASIN</b>		X	Madera County		X
<b>SOUTH CENTRAL COAST AIR BASIN</b>			Merced County		X
San Luis Obispo County		X	San Joaquin County		X
Santa Barbara County		X	Stanislaus County		X
Ventura County	X		Tulare County		X
Channel Islands (1)		X	<b>GREAT BASIN VALLEYS AIR BASIN</b>		X
<b>SOUTH COAST AIR BASIN (1)</b>	X		<b>SOUTHEAST DESERT AIR BASIN</b>		
<b>SAN DIEGO COUNTY</b>	X		Imperial County	X	
<b>NORTHEAST PLATEAU AIR BASIN</b>		X	Remainder of Air Basin		X
<b>SACRAMENTO VALLEY AIR BASIN</b>		X	<b>MOUNTAIN COUNTIES AIR BASIN</b>		X
<b>SAN JOAQUIN VALLEY AIR BASIN (SJVAB)</b>			<b>LAKE COUNTY AIR BASIN</b>		X
Fresno County		X	<b>LAKE TAHOE AIR BASIN</b>	X	
Kern County (SJVAB portion)	X				

\* Definitions and references for all areas can be found in 40 CFR, Chapter I, Part 81.305.

(1) South Central Coast Air Basin Channel Islands:

Santa Barbara County includes Santa Cruz, San Miguel, Santa Rosa, and Santa Barbara Islands.

Ventura County includes Anacapa and San Nicolas Islands.

Note that the San Clemente and Santa Catalina Islands are considered part of Los Angeles County, and therefore, are included as part of the South Coast Air Basin.