

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 2004 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 ¹		Federal Standards ²			
		Concentration ³	Method ⁴	Primary ^{3,6}	Secondary ^{3,6}	Method ⁷	
Ozone (O ₃)	1 Hour	0.09 ppm (180 µg/m ³)	Ultraviolet Photometry	0.12 ppm (235 µg/m ³) ⁸	Same as Primary Standard	Ultraviolet Photometry	
	8 Hour	—		0.08 ppm (157 µg/m ³) ⁸			
Respirable Particulate Matter (PM ₁₀)	24 Hour	50 µg/m ³	Gravimetric or Beta Attenuation	150 µg/m ³	Same as Primary Standard	Inertial Separation and Gravimetric Analysis	
	Annual Arithmetic Mean	20 µg/m ³		50 µg/m ³			
Fine Particulate Matter (PM _{2.5})	24 Hour	No Separate State Standard		65 µg/m ³	Same as Primary Standard	Inertial Separation and Gravimetric Analysis	
	Annual Arithmetic Mean	12 µg/m ³	Gravimetric or Beta Attenuation	15 µg/m ³			
Carbon Monoxide (CO)	8 Hour	9.0 ppm (10 mg/m ³)	Non-Dispersive Infrared Photometry (NDIR)	9 ppm (10 mg/m ³)	None	Non-Dispersive Infrared Photometry (NDIR)	
	1 Hour	20 ppm (23 mg/m ³)		35 ppm (40 mg/m ³)			
	8 Hour (Lake Tahoe)	6 ppm (7 mg/m ³)		—			
Nitrogen Dioxide (NO ₂)	Annual Arithmetic Mean	—	Gas Phase Chemiluminescence	0.053 ppm (100 µg/m ³)	Same as Primary Standard	Gas Phase Chemiluminescence	
	1 Hour	0.25 ppm (470 µg/m ³)		—			
Sulfur Dioxide (SO ₂)	Annual Arithmetic Mean	—	Ultraviolet Fluorescence	0.030 ppm (60 µg/m ³)	—	Spectrophotometry (Pararosaniline Method)	
	24 Hour	0.04 ppm (105 µg/m ³)		0.14 ppm (365 µg/m ³)			
	3 Hour	—		—			0.5 ppm (1300 µg/m ³)
	1 Hour	0.25 ppm (655 µg/m ³)		—			—
Lead ⁹	30 Day Average	1.5 µg/m ³	Atomic Absorption	—	—	—	
	Calendar Quarter	—		1.5 µg/m ³			Same as Primary Standard
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		No Federal Standards			
Sulfates	24 Hour	25 µg/m ³	Ion Chromatography				
Hydrogen Sulfide	1 Hour	0.03 ppm (42 µg/m ³)	Ultraviolet Fluorescence				
Vinyl Chloride ⁹	24 Hour	0.01 ppm (26 µg/m ³)	Gas Chromatography				

See footnotes on next page ...

California Air Resources Board (7/9/03)

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°C and a reference pressure of 760 torr. Most measurements of air quality are to be corrected to a reference temperature of 25°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.

California Air Resources Board (7/9/03)

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:

Attainment	A
Nonattainment	N
Nonattainment-Transitional	NT
Unclassified	U

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

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TABLE 1

California Ambient Air Quality Standards
Area Designations for Ozone

	N	NT	U	A		N	NT	U	A
NORTH COAST AIR BASIN				X	MOJAVE DESERT AIR BASIN	X			
SAN FRANCISCO BAY AREA AIR BASIN	X				SALTON SEA AIR BASIN	X			
NORTH CENTRAL COAST AIR BASIN (1)		X			MOUNTAIN COUNTIES AIR BASIN (MCAB)				
SOUTH CENTRAL COAST AIR BASIN					Amador County	X			
San Luis Obispo County				X	Calaveras County	X			
Remainder of SCCAB	X				El Dorado County (MCAB portion)	X			
SOUTH COAST AIR BASIN	X				Mariposa County	X			
SAN DIEGO AIR BASIN	X				Nevada County	X			
NORTHEAST PLATEAU AIR BASIN				X	Placer County (MCAB portion)	X			
SACRAMENTO VALLEY AIR BASIN					Plumas County			X	
Glenn County (1)		X			Sierra County			X	
Colusa County (1)		X			Tuolumne County	X			
Remainder of SVAB	X				LAKE COUNTY AIR BASIN				X
SAN JOAQUIN VALLEY AIR BASIN	X				LAKE TAHOE AIR BASIN				X
GREAT BASIN VALLEYS AIR BASIN									
Alpine County			X						
Inyo County			X						
Mono County	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 districts to become nonattainment-transitional for ozone by operation of law.

FIGURE 2

TABLE 2

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

	N	U	A		N	U	A
NORTH COAST AIR BASIN (1)	X			MOUNTAIN COUNTIES AIR BASIN (MCAB)			
SAN FRANCISCO BAY AREA AIR BASIN (1)	X			Amador County		X	
NORTH CENTRAL COAST AIR BASIN (1)	X			Calaveras County (3)	X		
SOUTH CENTRAL COAST AIR BASIN (1)	X			El Dorado County (MCAB portion) (2)	X		
SOUTH COAST AIR BASIN (1)	X			Mariposa County			
SAN DIEGO AIR BASIN (1)	X			-Yosemite National Park (1)	X		
NORTHEAST PLATEAU AIR BASIN				-Remainder of County		X	
Siskiyou County			X	Nevada County (4)	X		
Remainder of Air Basin (2) (5)	X			Placer County (MCAB portion) (4)	X		
SACRAMENTO VALLEY AIR BASIN (1)	X			Plumas County (1)	X		
SAN JOAQUIN VALLEY AIR BASIN (1)	X			Sierra County (4)	X		
GREAT BASIN VALLEYS AIR BASIN (1)	X			Tuolumne County		X	
MOJAVE DESERT AIR BASIN (1)	X			LAKE COUNTY AIR BASIN			X
SALTON SEA AIR BASIN (1)	X			LAKE TAHOE AIR BASIN (2)	X		

(1) Concentrations exceed both the 24-hour and the annual State PM10 standards.

(2) Concentrations exceed the 24-hour State PM10 standard.

(3) Concentrations exceed the annual State PM10 standard.

(4) Data are not available for the current designation period (2001-2003). Designation is based on historical data.

(5) No valid annual average PM10 concentration is available for the current designation period (2001-2003).

FIGURE 3

TABLE 3

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

	N	U	A		N	U	A
NORTH COAST AIR BASIN		X		GREAT BASIN VALLEYS AIR BASIN		X	
SAN FRANCISCO BAY AREA AIR BASIN	X			MOJAVE DESERT AIR BASIN			
NORTH CENTRAL COAST AIR BASIN			X	San Bernardino County			
SOUTH CENTRAL COAST AIR BASIN				- County portion of federal Southeast Desert Modified AQMA for Ozone (4)	X		
San Luis Obispo and Santa Barbara Counties (1)		X		Remainder of Air Basin		X	
Ventura County (2)	X			SALTON SEA AIR BASIN			
SOUTH COAST AIR BASIN (3)	X			Imperial County			
SAN DIEGO AIR BASIN	X			- City of Calexico (5)	X		
NORTHEAST PLATEAU AIR BASIN		X		Remainder of Air Basin		X	
SACRAMENTO VALLEY AIR BASIN (SVAB)				MOUNTAIN COUNTIES AIR BASIN			
Butte County	X			Plumas County			
Sacramento County	X			- Portola Valley (6)	X		
Placer County (SVAB portion)	X			Remainder of Air Basin		X	
Remainder of Air Basin		X		LAKE COUNTY AIR BASIN			X
SAN JOAQUIN VALLEY AIR BASIN	X			LAKE TAHOE AIR BASIN			X

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

(2) Ventura County includes Anacapa and San Nicolas Islands

(3) South Coast Air Basin portion of Los Angeles County includes San Clemente and Santa Catalina Islands.

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

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

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

FIGURE 4

TABLE 4

California Ambient Air Quality Standards
Area Designations for Carbon Monoxide*

	N	NT	U	A		N	NT	U	A
NORTH COAST AIR BASIN (NCAB)					SAN JOAQUIN VALLEY AIR BASIN (cont.)				
Del Norte County			X		Kings County			X	
Humboldt County				X	Madera County			X	
Mendocino County				X	Merced County			X	
Sonoma County (NCAB portion)			X		San Joaquin County				X
Trinity County			X		Stanislaus County				X
SAN FRANCISCO BAY AREA AIR BASIN				X	Tulare County				X
NORTH CENTRAL COAST AIR BASIN					GREAT BASIN VALLEYS AIR BASIN				
Monterey County				X	Alpine County			X	
San Benito County			X		Inyo County				X
Santa Cruz County			X		Mono County				X
SOUTH CENTRAL COAST AIR BASIN				X	MOJAVE DESERT AIR BASIN (MDAB)				
SOUTH COAST AIR BASIN (SoCAB)					Kern County (MDAB portion)			X	
Los Angeles County (SoCAB portion)				X	Los Angeles County (MDAB portion)				X
Orange County				X	Riverside County (MDAB portion)			X	
Riverside County (SoCAB portion)				X	San Bernardino County (MDAB portion)				X
San Bernardino County (SoCAB portion)				X	SALTON SEA AIR BASIN (SSAB)				
SAN DIEGO AIR BASIN				X	Imperial County				
NORTHEAST PLATEAU AIR BASIN			X		-City of Calexico (1)	X			
SACRAMENTO VALLEY AIR BASIN (SVAB)					-Remainder of County			X	
Butte County				X	Riverside County (SSAB portion)				X
Colusa County			X		MOUNTAIN COUNTIES AIR BASIN (MCAB)				
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
SAN JOAQUIN VALLEY AIR BASIN (SJVAB)					LAKE COUNTY AIR BASIN				X
Fresno County				X	LAKE TAHOE AIR BASIN				X
Kern County (SJVAB portion)				X					

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

(1) California Code of Regulations, title 17, section 60200(a); air quality data for Calexico show violations of the State 8-hour CO standard but not the State 1-hour CO standard.

FIGURE 5

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

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

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

TABLE 9

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

	N	NT	U	A		N	NT	U	A
NORTH COAST AIR BASIN (NCAB)					MOJAVE DESERT AIR BASIN (MDAB)				
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		SALTON SEA AIR BASIN			X	
SAN FRANCISCO BAY AREA AIR BASIN			X		MOUNTAIN COUNTIES AIR BASIN (MCAB)				
NORTH CENTRAL COAST AIR BASIN			X		Amador County				
SOUTH CENTRAL COAST AIR BASIN					-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	
SOUTH COAST AIR BASIN			X		Mariposa County			X	
SAN DIEGO AIR BASIN			X		Nevada County			X	
NORTHEAST PLATEAU AIR BASIN			X		Placer County (MCAB portion)			X	
SACRAMENTO VALLEY AIR BASIN			X		Plumas County			X	
SAN JOAQUIN VALLEY AIR BASIN			X		Sierra County			X	
GREAT BASIN VALLEYS AIR BASIN					Tuolumne County			X	
Alpine County			X		LAKE COUNTY AIR BASIN				X
Mono County				X	LAKE TAHOE AIR BASIN			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 ozone, carbon monoxide, and 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.

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

- Nonattainment, and
- Unclassifiable.

The map and summary tables for the national PM₁₀ standards indicate “N” for areas designated as nonattainment and “U” for areas that are unclassifiable.

Note that although U.S. EPA has proposed area designations for the national PM2.5 standard, these designations are not included in this report because they were not effective at the time this report was published. U.S. EPA expects to make the final area designations on December 17, 2004. These area designations for the national PM2.5 designations would then become effective in mid-February 2005. The ARB expects three areas will be designated as nonattainment for the federal PM2.5 standards. These areas are the South Coast Air Basin, the San Joaquin Valley Air Basin, and San Diego County.

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_04/40cfr81_04.html

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

FIGURE 11

TABLE 11

**National Ambient Air Quality Standards
Area Designations for 1-Hour Ozone***

	N	U/A		N	U/A
NORTH COAST AIR BASIN		X	SOUTHEAST DESERT AIR BASIN (SEDAB)		
SAN FRANCISCO BAY AREA AIR BASIN (1)	X		Kern County (SEDAB portion)		X
NORTH CENTRAL COAST AIR BASIN		X	Imperial County	X	
SOUTH CENTRAL COAST AIR BASIN			Los Angeles County	X	
San Luis Obispo County		X	Riverside County		
Santa Barbara County		X	- Non-AQMA portion		X
Ventura County (1)	X		- Coachella Valley	X	
Channel Islands (2)		X	San Bernardino County		
SOUTH COAST AIR BASIN (2)	X		-Western portion (AQMA)	X	
SAN DIEGO COUNTY		X	-Eastern portion (non-AQMA)		X
NORTHEAST PLATEAU AIR BASIN		X	MOUNTAIN COUNTIES AIR BASIN (MCAB)		
SACRAMENTO VALLEY AIR BASIN (SVAB)			Amador County		X
Chico Area (Butte County) (1)	X		Calaveras County		X
Colusa County		X	El Dorado County (MCAB portion) (3)	X	
Glenn County		X	Mariposa County		X
Sacramento Metro Area (3)	X		Nevada County		X
Shasta County		X	Placer County (MCAB portion) (3)	X	
Tehama County		X	Plumas County		X
Yuba City Area (Yuba and N Sutter counties) (1)		X	Sierra County		X
SAN JOAQUIN VALLEY AIR BASIN	X		Tuolumne County		X
GREAT BASIN VALLEYS AIR BASIN		X	LAKE COUNTY 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) These areas have air quality that meets the 1-hour federal ozone standard. U.S. EPA has proposed a finding of attainment for Ventura County and the San Francisco Bay Area Air Basin.

(2) 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.

(3) 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

TABLE 12

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

	N	U/A		N	U/A
NORTH COAST AIR BASIN		X	SOUTHEAST DESERT AIR BASIN (SEDAB)		
SAN FRANCISCO BAY AREA AIR BASIN	X		Kern County (SEDAB portion)	X	
NORTH CENTRAL COAST AIR BASIN		X	Imperial County	X	
SOUTH CENTRAL COAST AIR BASIN			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	
SOUTH COAST AIR BASIN (1)	X		- Eastern portion (non-AQMA)		X
SAN DIEGO COUNTY	X		MOUNTAIN COUNTIES AIR BASIN (MCAB)		
NORTHEAST PLATEAU AIR BASIN		X	Central Mountain Counties		
SACRAMENTO VALLEY AIR BASIN (SVAB)			- 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
SAN JOAQUIN VALLEY AIR BASIN	X		Sierra County		X
GREAT BASIN VALLEYS AIR BASIN		X	LAKE COUNTY 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) 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.

TABLE 13

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

	N	U		N	U
NORTH COAST AIR BASIN		X	GREAT BASIN VALLEYS AIR BASIN (cont.)		
SAN FRANCISCO BAY AREA AIR BASIN		X	Mono County		
NORTH CENTRAL COAST AIR BASIN		X	-Mammoth Lake Planning Area	X	
SOUTH CENTRAL COAST AIR BASIN		X	-Mono Lake Basin	X	
SOUTH COAST AIR BASIN	X		-Remainder of County		X
SAN DIEGO COUNTY		X	SOUTHEAST DESERT AIR BASIN (SEDAB)		
NORTHEAST PLATEAU AIR BASIN		X	Eastern Kern County		
SACRAMENTO VALLEY AIR BASIN (SVAB)			-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	
SAN JOAQUIN VALLEY AIR BASIN	X		-Remainder of County		X
GREAT BASIN VALLEYS AIR BASIN			MOUNTAIN COUNTIES AIR BASIN		
Alpine County		X	Placer County (SVAB/MCAB portion) (2)		X
Inyo County			Remainder of Air Basin		X
-Owens Valley Planning Area	X		LAKE COUNTY AIR BASIN		X
-Coso Junction	X		LAKE TAHOE AIR BASIN		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

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 14

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.

FIGURE 15

TABLE 16

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

	A	U		A	U
NORTH COAST AIR BASIN		X	SAN JOAQUIN VALLEY AIR BASIN (cont.)		
SAN FRANCISCO BAY AREA AIR BASIN	X		Kings County		X
NORTH CENTRAL COAST AIR BASIN		X	Madera County		X
SOUTH CENTRAL COAST AIR BASIN			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	GREAT BASIN VALLEYS AIR BASIN		X
SOUTH COAST AIR BASIN (1)	X		SOUTHEAST DESERT AIR BASIN		
SAN DIEGO COUNTY	X		Imperial County	X	
NORTHEAST PLATEAU AIR BASIN		X	Remainder of Air Basin		X
SACRAMENTO VALLEY AIR BASIN		X	MOUNTAIN COUNTIES AIR BASIN		X
SAN JOAQUIN VALLEY AIR BASIN (SJVAB)			LAKE COUNTY AIR BASIN		X
Fresno County		X	LAKE TAHOE AIR BASIN	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.

TABLE 16

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

	N	U		N	U
NORTH COAST AIR BASIN		X	GREAT BASIN VALLEYS AIR BASIN (cont.)		
SAN FRANCISCO BAY AREA AIR BASIN		X	Mono County		
NORTH CENTRAL COAST AIR BASIN		X	-Mammoth Lake Planning Area	X	
SOUTH CENTRAL COAST AIR BASIN		X	-Mono Lake Basin	X	
SOUTH COAST AIR BASIN	X		-Remainder of County		X
SAN DIEGO COUNTY		X	SOUTHEAST DESERT AIR BASIN (SEDAB)		
NORTHEAST PLATEAU AIR BASIN		X	Eastern Kern County		
SACRAMENTO VALLEY AIR BASIN (SVAB)			-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	
SAN JOAQUIN VALLEY AIR BASIN	X		-Remainder of County		X
GREAT BASIN VALLEYS AIR BASIN			MOUNTAIN COUNTIES AIR BASIN		
Alpine County		X	Placer County (SVAB/MCAB portion) (2)		X
Inyo County			Remainder of Air Basin		X
-Owens Valley Planning Area	X		LAKE COUNTY AIR BASIN		X
-Coso Junction	X		LAKE TAHOE AIR BASIN		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.