

APPENDIX A

SCAQMD Network Depictions

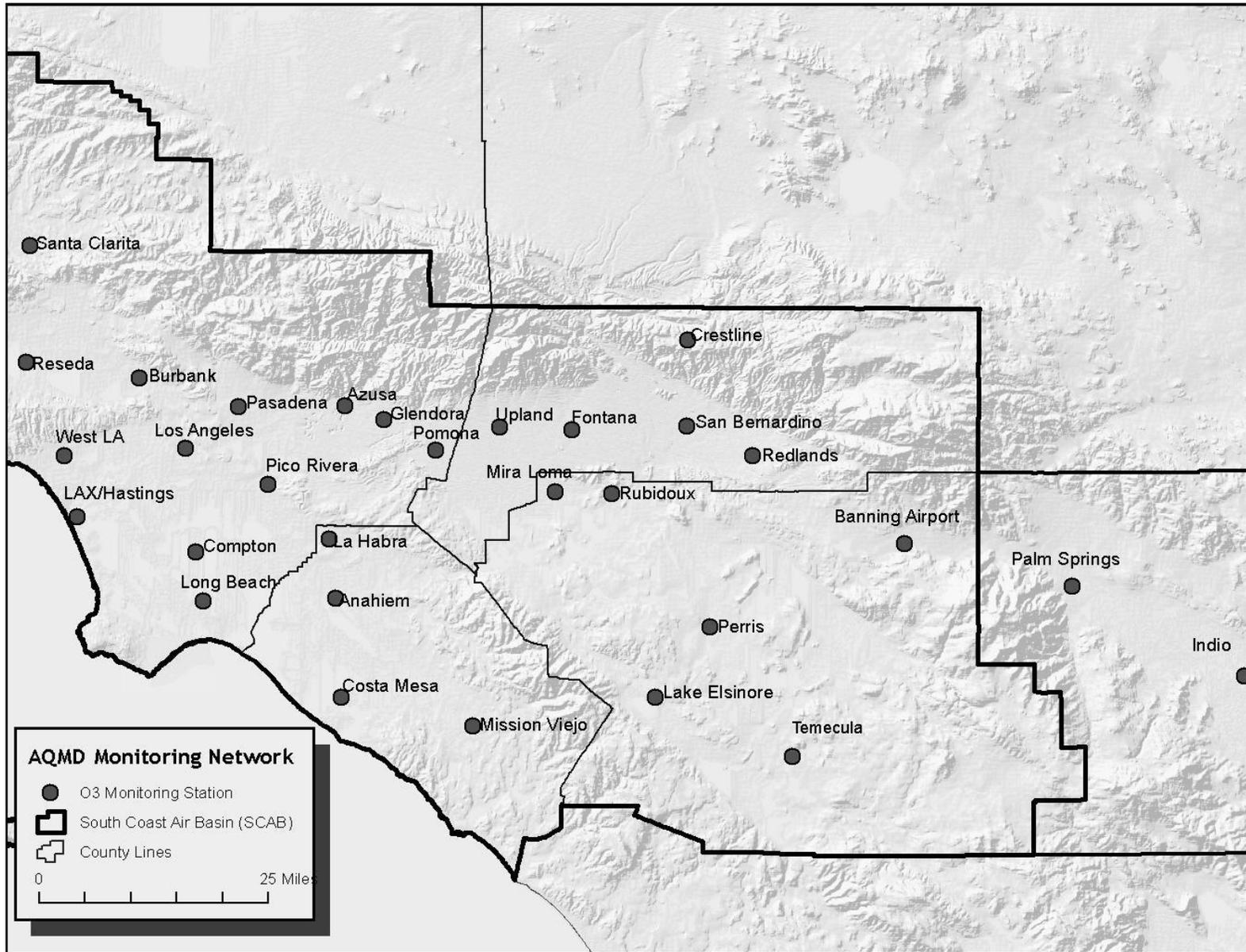


Figure 1 SCAQMD Ozone Monitoring Locations

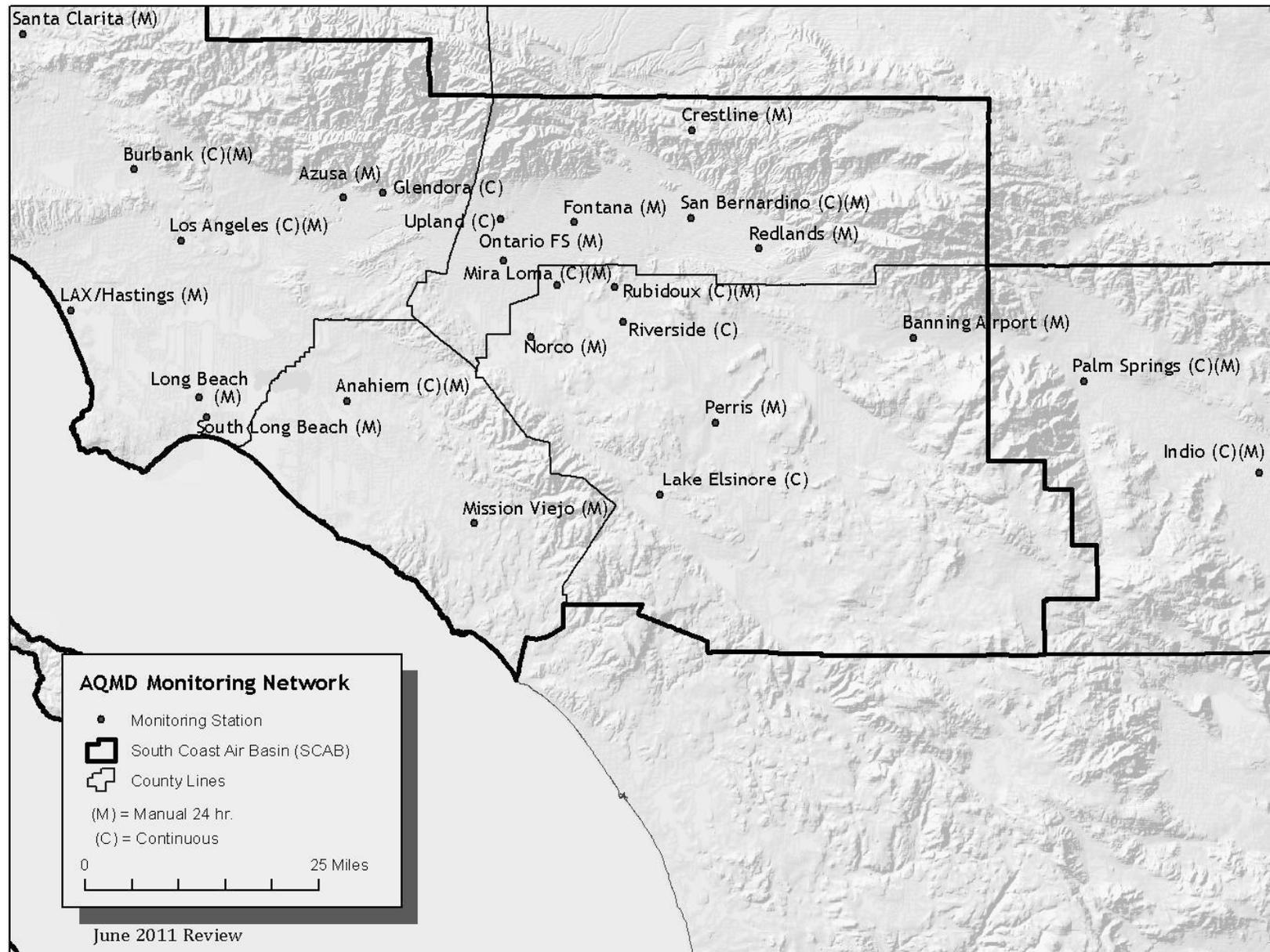


Figure 2 SCAQMD PM10 Monitoring Locations

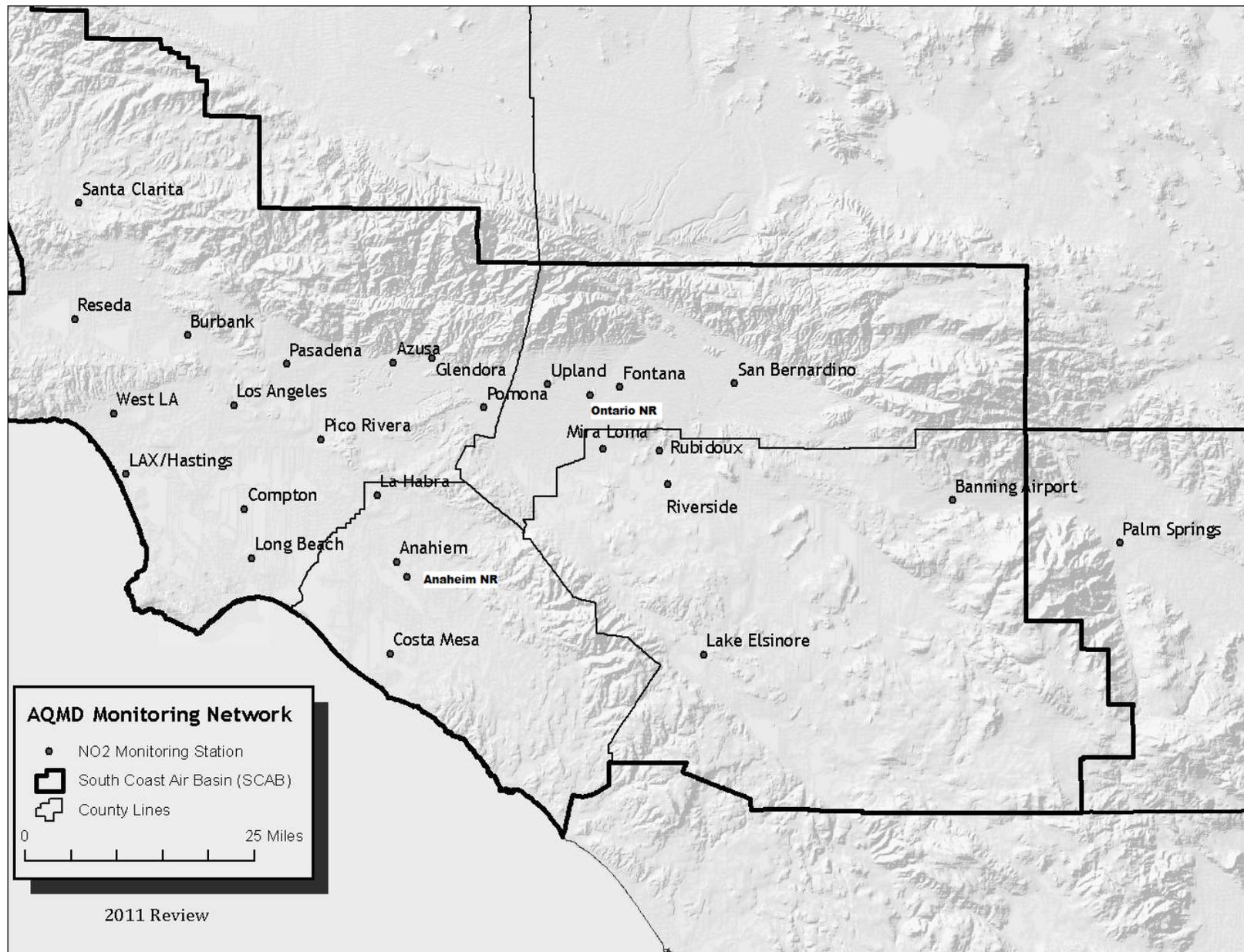


Figure 3 SCAQMD Monitoring Locations for Nitrogen Dioxide

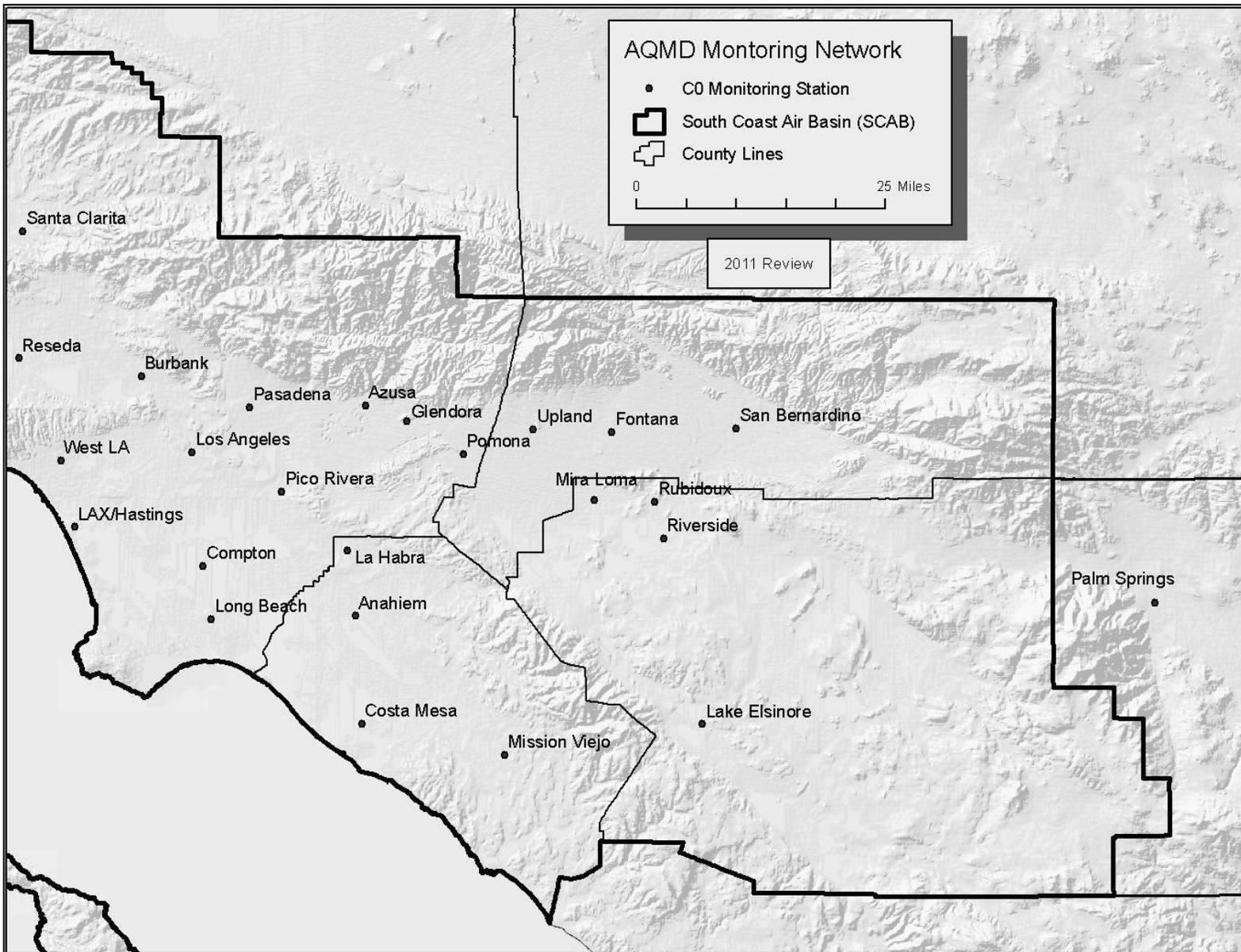


Figure 4 SCAQMD Monitoring Locations for Carbon Monoxide

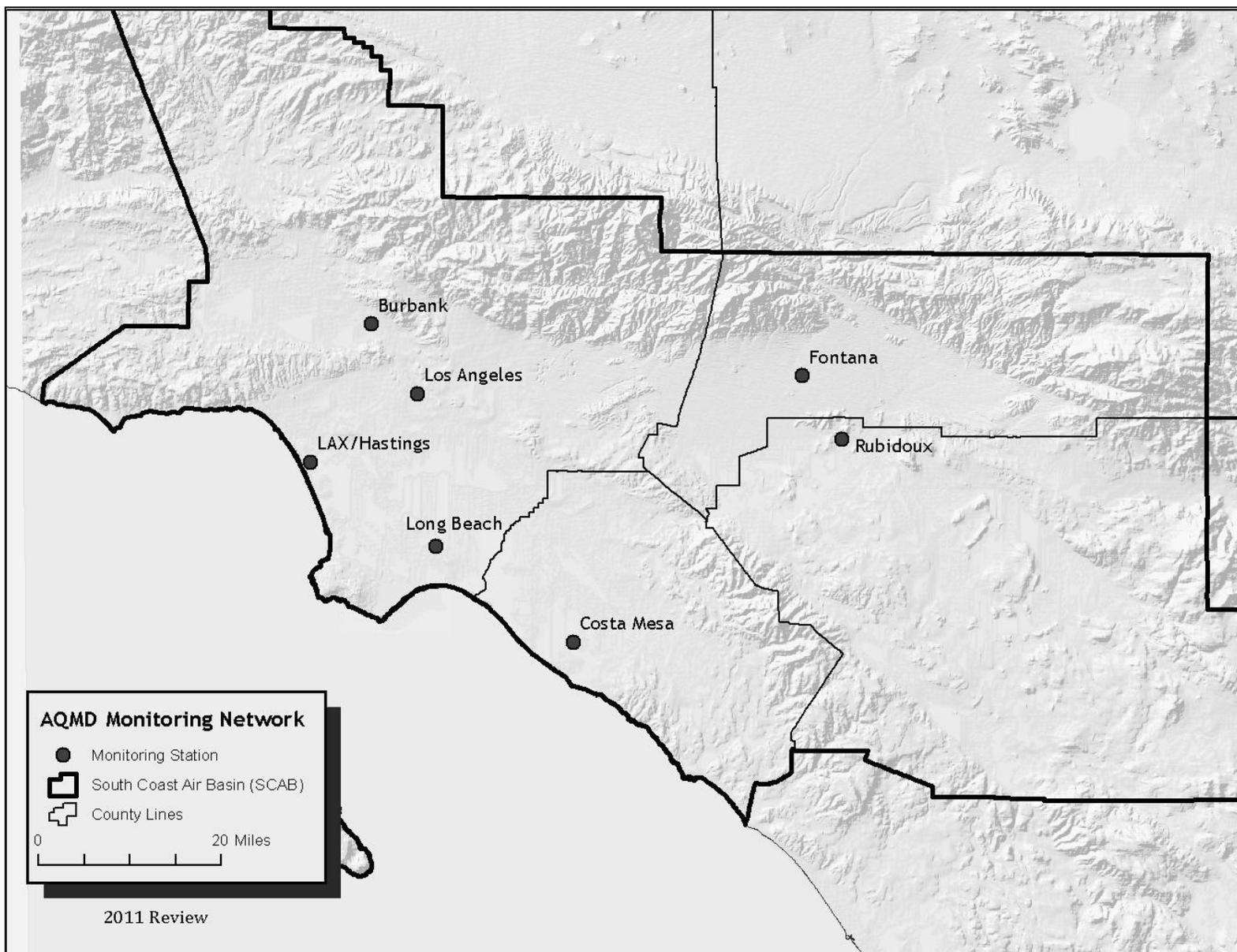


Figure 5 SCAQMD Monitoring Locations for Sulfur Dioxide

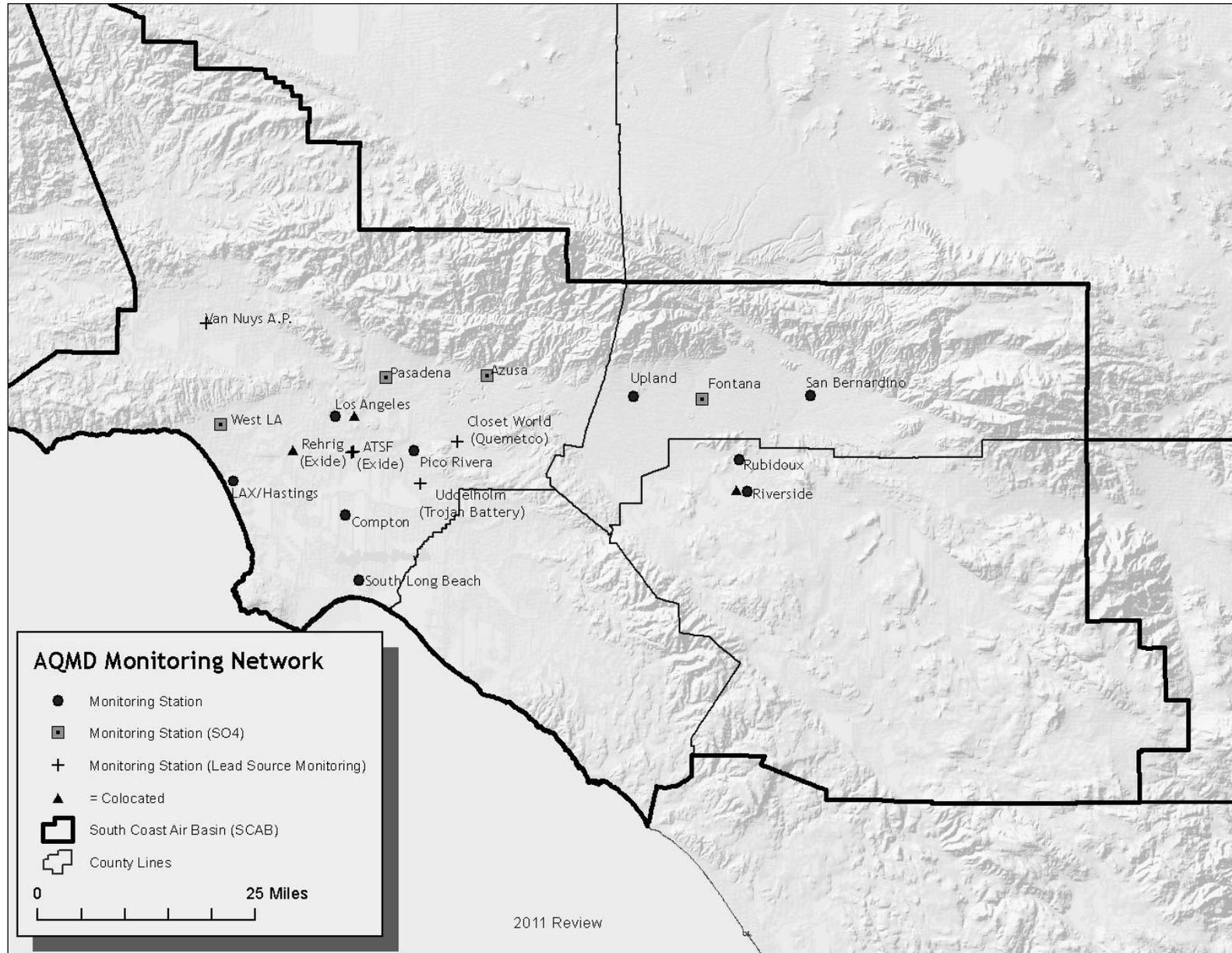


Figure 6 SCAQMD Source and Ambient Particulate Lead Monitoring Locations

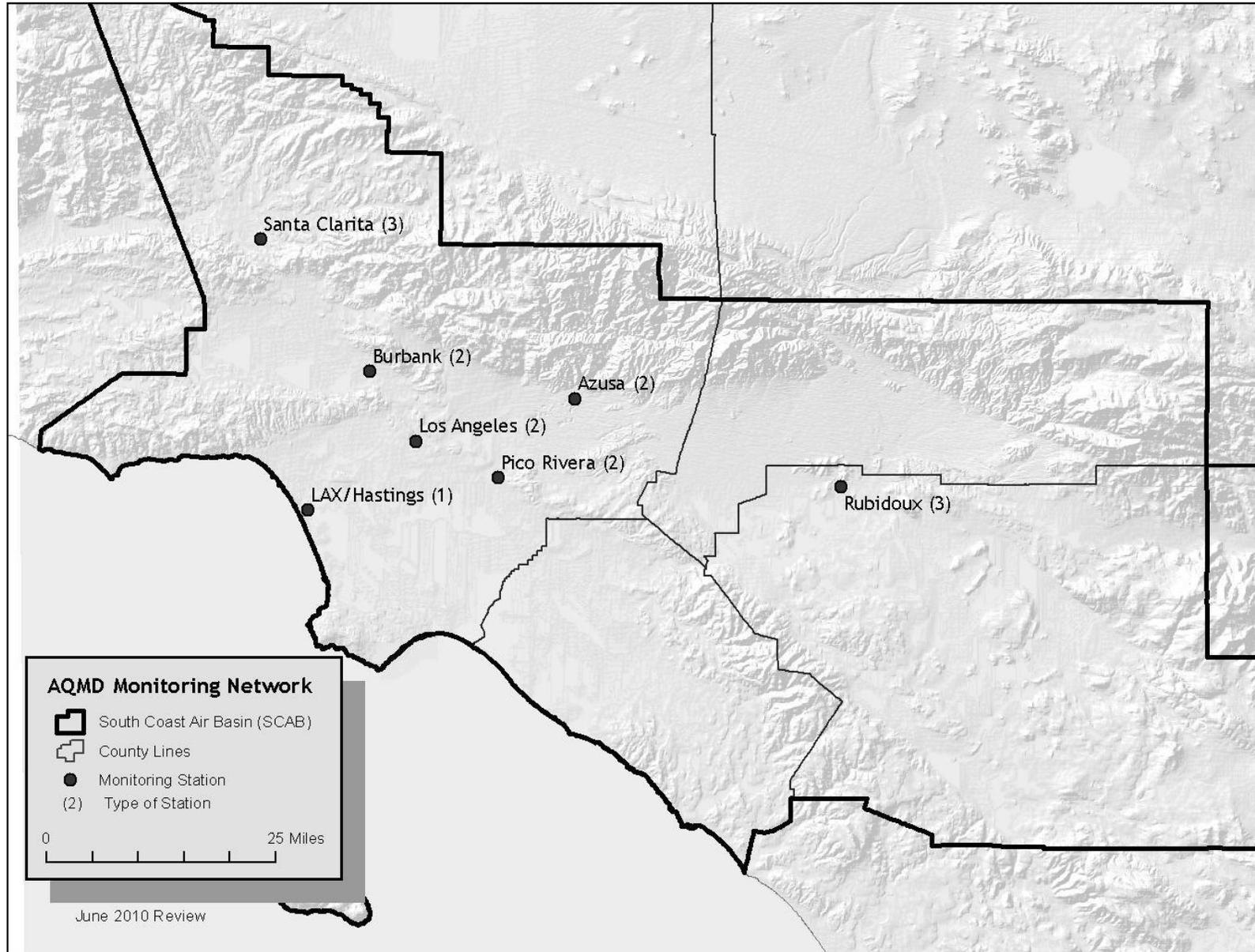
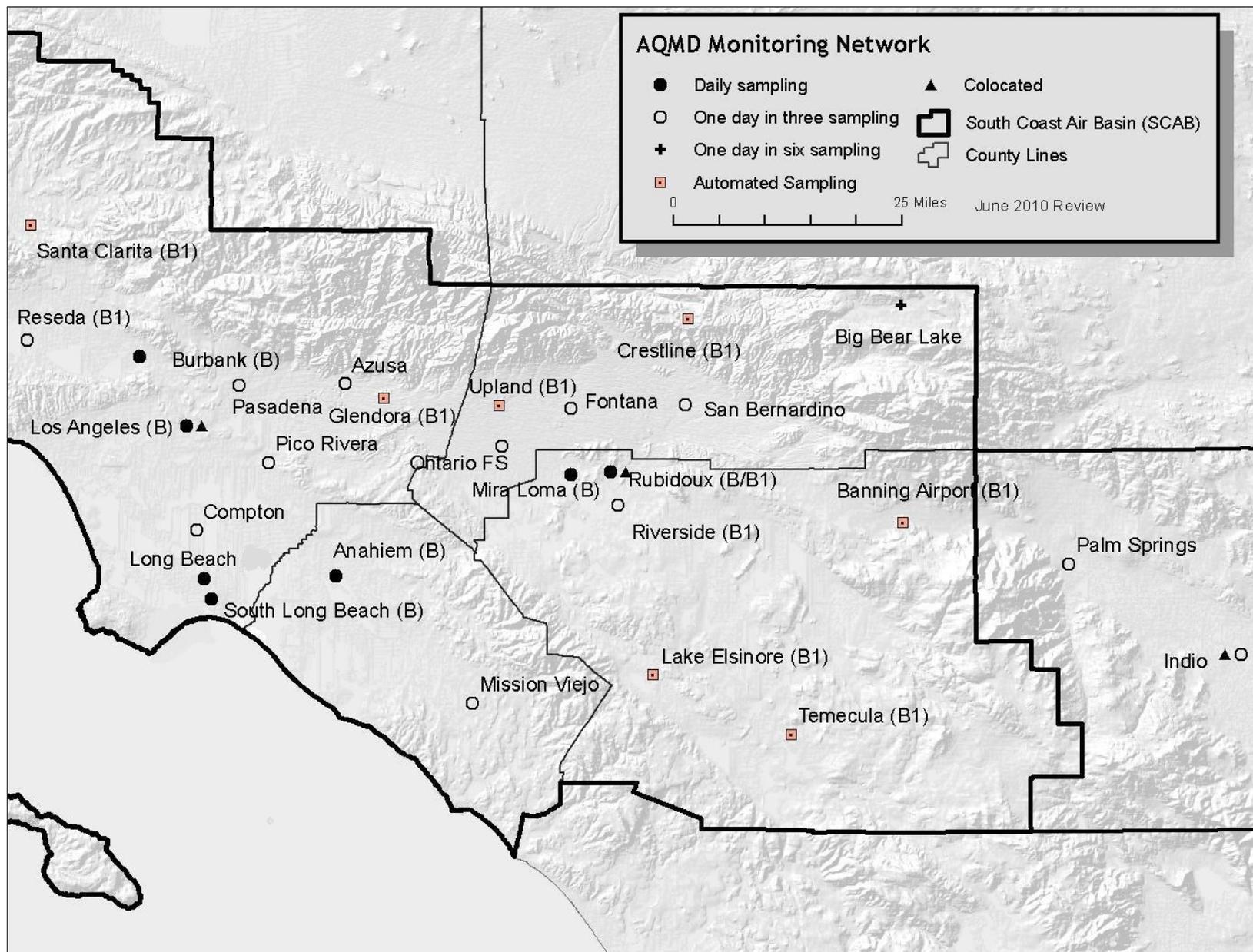


Figure 7 SCAQMD PAMS Monitoring Locations



B = BAM FEM
B1 = BAM

Figure 8 SCAQMD PM2.5 Monitoring Locations

Air Quality Monitoring Network Plan – July 2014

2012 AIR QUALITY SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

Source/Receptor Area No. Location		Station No.	Suspended Particulates PM10 ^{4g)}				Fine Particulates PM2.5 ^{4g)}				Particulates TSP		Lead ^{b)}			PM10 Sulfate ^{o)}			
			No. Days of Data	Max. Conc. in µg/m ³	No. (%) Samples Exceeding Federal Standard > 150 µg/m ³	No. (%) Samples Exceeding State Standard > 50 µg/m ³	Annual Average Conc. (AAM) ^{g)}	No. Days of Data	Max. Conc. in µg/m ³	98 th Percentile Conc. in µg/m ³	No. (%) Samples Exceeding Federal Std > 35 µg/m ³	Annual Average Conc. (AAM)	No. Days of Data	Max. Conc. in µg/m ³	Annual Average Conc. (AAM)	Max. Monthly Average Conc. µg/m ³	Max. 3-Months Rolling Averages µg/m ³	Max. Quarterly Average Conc. µg/m ³	No. Days of Data
2012																			
LOS ANGELES COUNTY																			
1	Central LA	087	60	80	0	4	30.2	342	58.7	31.8	4	12.55			0.014	0.011			
2	Northwest Coastal LA County	091	--	--	--	--	--	--	--	--	--	--			--	--	--		
3	Southwest Coastal LA County	820	57	31	0	0	19.8	--	--	--	--	--			0.004	0.003			
4	South Coastal LA County 1	072	60	45	0	0	23.3	349	49.8	26.4	4	10.37			0.005	0.004			
4	South Coastal LA County 2	077	60	54	0	1	25.5	340	46.7	25.1	4	10.57			0.007	0.006			
4	South Coastal LA County 3	033	--	--	--	--	--	--	--	--	--	--			--	--			
6	West San Fernando Valley	074	--	--	--	--	--	110	41.6	31.2	2	10.48			--	--			
7	East San Fernando Valley	069	60	55	0	1	26.4	355	54.2	28.2	2	12.17			--	--			
8	West San Gabriel Valley	088	--	--	--	--	--	96	30.5	24.2	0	10.12			--	--			
9	East San Gabriel Valley 1	060	61	78	0	6	30.3	118	39.6	25.6	1	11.02			--	--			
9	East San Gabriel Valley 2	591	--	--	--	--	--	--	--	--	--	--			--	--			
10	Pomona/Walnut Valley	075	--	--	--	--	--	--	--	--	--	--			--	--			
11	South San Gabriel Valley	085	--	--	--	--	--	119	45.3	28.5	1	11.85			0.007	0.007			
12	South Central LA County	112	--	--	--	--	--	115	51.2	30.3	1	11.69			0.009	0.008			
13	Santa Clarita Valley	090	55	37	0	0	19.6	--	--	--	--	--			--	--			
ORANGE COUNTY																			
16	North Orange County	3177	--	--	--	--	--	--	--	--	--	--			--	--			
17	Central Orange County	3176	61	48	0	0	22.4	347	50.1	24.9	4	10.81			--	--			
18	North Coastal Orange County	3195	--	--	--	--	--	--	--	--	--	--			--	--			
19	Saddleback Valley	3812	60	37	0	0	17.3	123	27.6	17.6	0	7.91			--	--			
RIVERSIDE COUNTY																			
22	Norco/Corona	4155	59	52	0	1	26.6	--	--	--	--	--			--	--			
23	Metropolitan Riverside County 1	4144	121	67	0	19	34.5	352	38.1	33.7	7	13.51			0.008	0.006			
23	Metropolitan Riverside County 2	4146	--	--	--	--	--	104	30.2	26.8	0	11.35			0.006	0.004			
23	Mira Loma	4165	56	78	0	15	39.9	351	39.3	35.1	7	15.06			--	--			
24	Perris Valley	4149	60	62	0	1	26.5	--	--	--	--	--			--	--			
25	Lake Elsinore	4158	--	--	--	--	--	--	--	--	--	--			--	--			
26	Temecula	4031	--	--	--	--	--	--	--	--	--	--			--	--			
29	Banning Airport	4164	60	45	0	0	19.1	--	--	--	--	--			--	--			
30	Coachella Valley 1**	4137	60	37	0	0	16.4	117	15.5	13.7	0	6.50			--	--			
30	Coachella Valley 2**	4157	121	124	0	7	29.5	117	20	16.4	0	7.64			--	--			
SAN BERNARDINO COUNTY																			
32	Northwest San Bernardino Valley	5175	--	--	--	--	--	--	--	--	--	--			0.006	0.006			
33	Southwest San Bernardino Valley	5817	61	57	0	4	30.8	120	35.2	28.6	0	12.41			--	--			
34	Central San Bernardino Valley 1	5197	60	67	0	9	34.3	110	39.9	35.6	3	12.82			--	--			
34	Central San Bernardino Valley 2	5203	55	53	0	1	29.2	107	34.8	27.1	0	11.76			0.007	0.007			
35	East San Bernardino Valley	5204	61	48	0	0	23.4	--	--	--	--	--			--	--			
37	Central San Bernardino Mountains	5181	57	54	0	0	18.9	--	--	--	--	--			--	--			
38	East San Bernardino Mountains	5818	--	--	--	--	--	52	36.4	27.4	1	7.98			--	--			
DISTRICT MAXIMUM			124	0	19	39.9		58.7	35.6	7	15.06			0.014	0.011				
SOUTH COAST AIR BASIN			80	0		39.9		58.7	35.6	15	15.06			0.014	0.011				

- ** Salton Sea Air Basin µg/m³ - Micrograms per cubic meter of air AAM = Annual Arithmetic Mean --- Pollutant not monitored
- d) - Federal Reference Method (FRM) PM10 samples were collected every 6 days at all sites except for Stations 4144 and 4157, where samples were collected every 3 days. PM10 statistics listed above are for the FRM data only. Federal Equivalent Method (FEM) PM10 continuous monitors were operated at some of the above locations. Max 24-hour average PM10 at sites with FEM monitoring was 142 µg/m³ at Palm Springs in Coachella Valley. The FEM Basin's max was 104 µg/m³ at Mira Loma.
- e) - Federal annual PM10 standard (AAM > 50 µg/m³) was revoked in 2006. State standard is annual average (AAM) > 20 µg/m³.
- f) - PM2.5 samples were collected every 3 days at all sites except for station numbers 069, 072, 077, 087, 3176, 4144 and 4165, where samples were taken daily, and station number 5818 where samples were taken every 6 days. PM2.5 statistics listed above are for the FRM data only. FEM PM2.5 continuous monitoring instruments were operated at some of the above locations. Max 24-hour average PM2.5 concentration recorded at FEM sites was 79.0 µg/m³ at Central LA. U.S. EPA has revised the annual PM2.5 standard from annual average (AAM) 15.0 µg/m³ to 12.0 µg/m³, effective March 18, 2013. State standard is annual average (AAM) > 12.0 µg/m³.
- g) - High PM10 and PM2.5 data samples excluded in accordance with the EPA Exceptional Event Regulation are as follows: PM10 (FEM) data recorded on August 9 (270 µg/m³) and January 21 (207 µg/m³) both at Indio; PM2.5 (FRM) at Azusa (39.6 µg/m³) and Fontana (39.9 µg/m³), both recorded on July 5.
- h) - Federal lead standard is 3-months rolling average > 0.15 µg/m³; state standard is monthly average ≥ 1.5 µg/m³. Lead statistics listed above are for population-oriented sites only; standards were not exceeded at any of these sites.
- i) - State sulfate standard is 24-hour ≥ 25 µg/m³. There is no federal standard for sulfate.



Figure 9 SCAQMD 2012 Air Quality Data Summary