APPENDIX A

SCAQMD Network Depictions

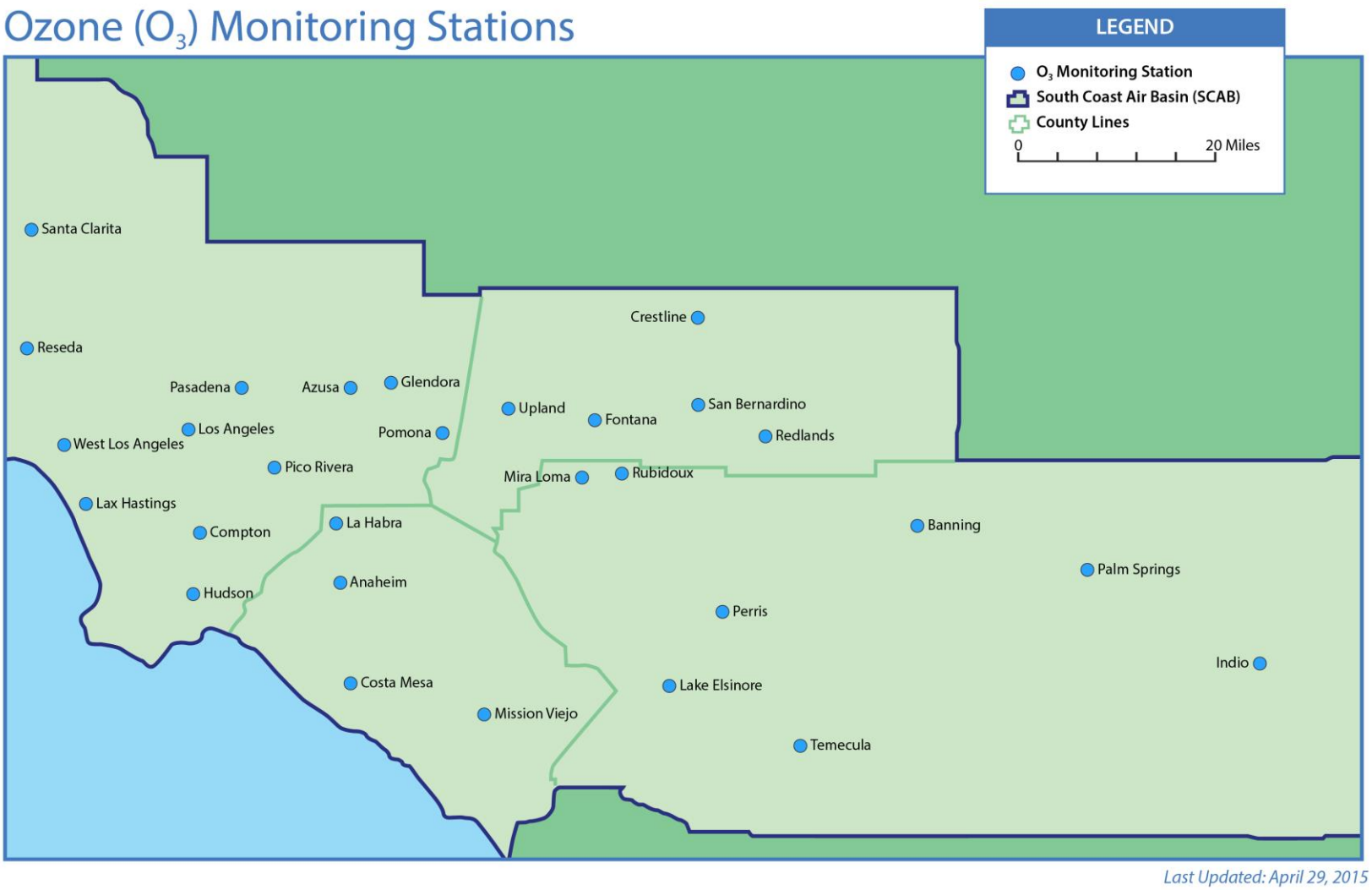

Figure 1 SCAQMD Ozone Monitoring Locations

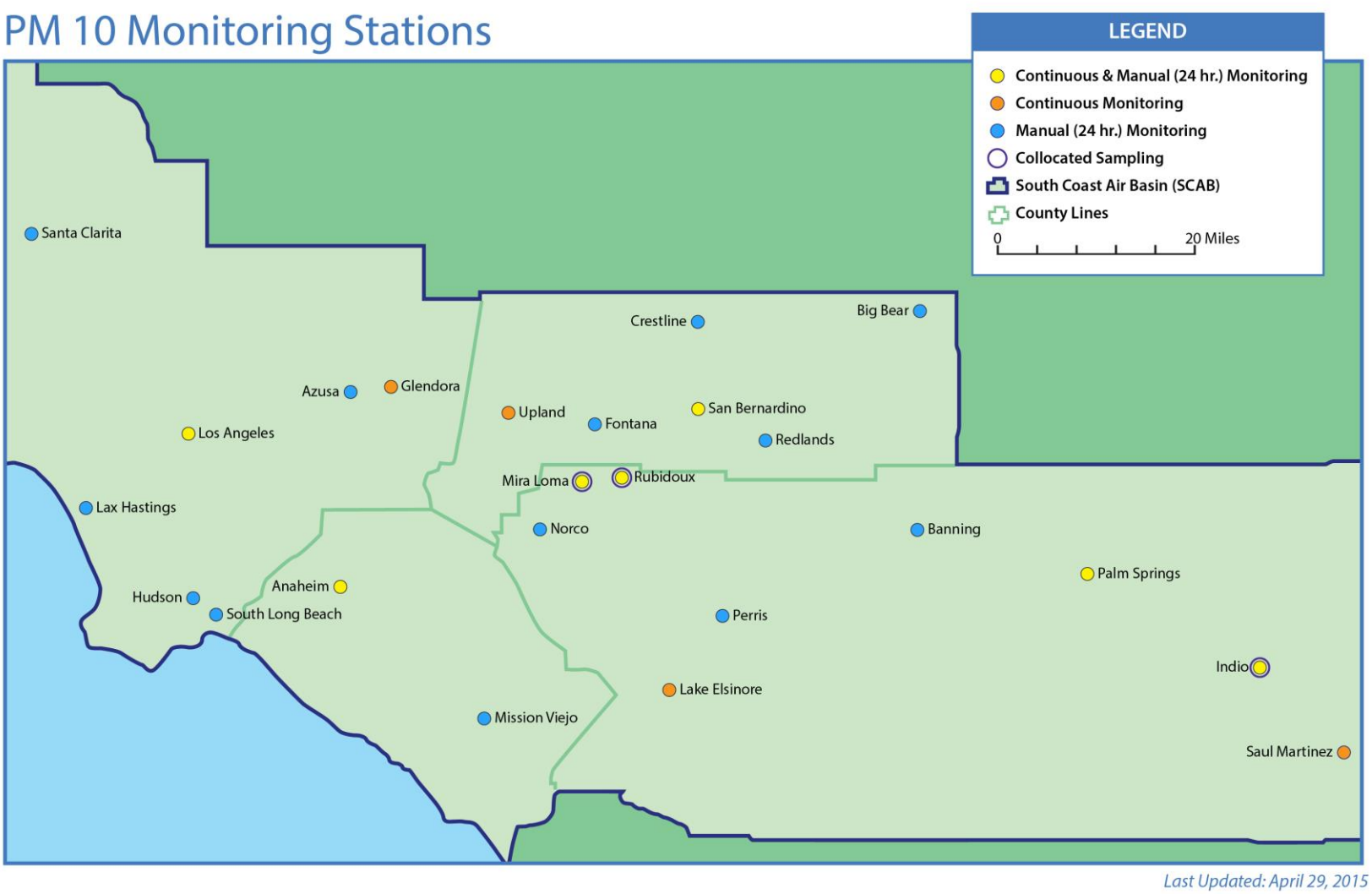

Figure 2 SCAQMD PM10 Monitoring Locations

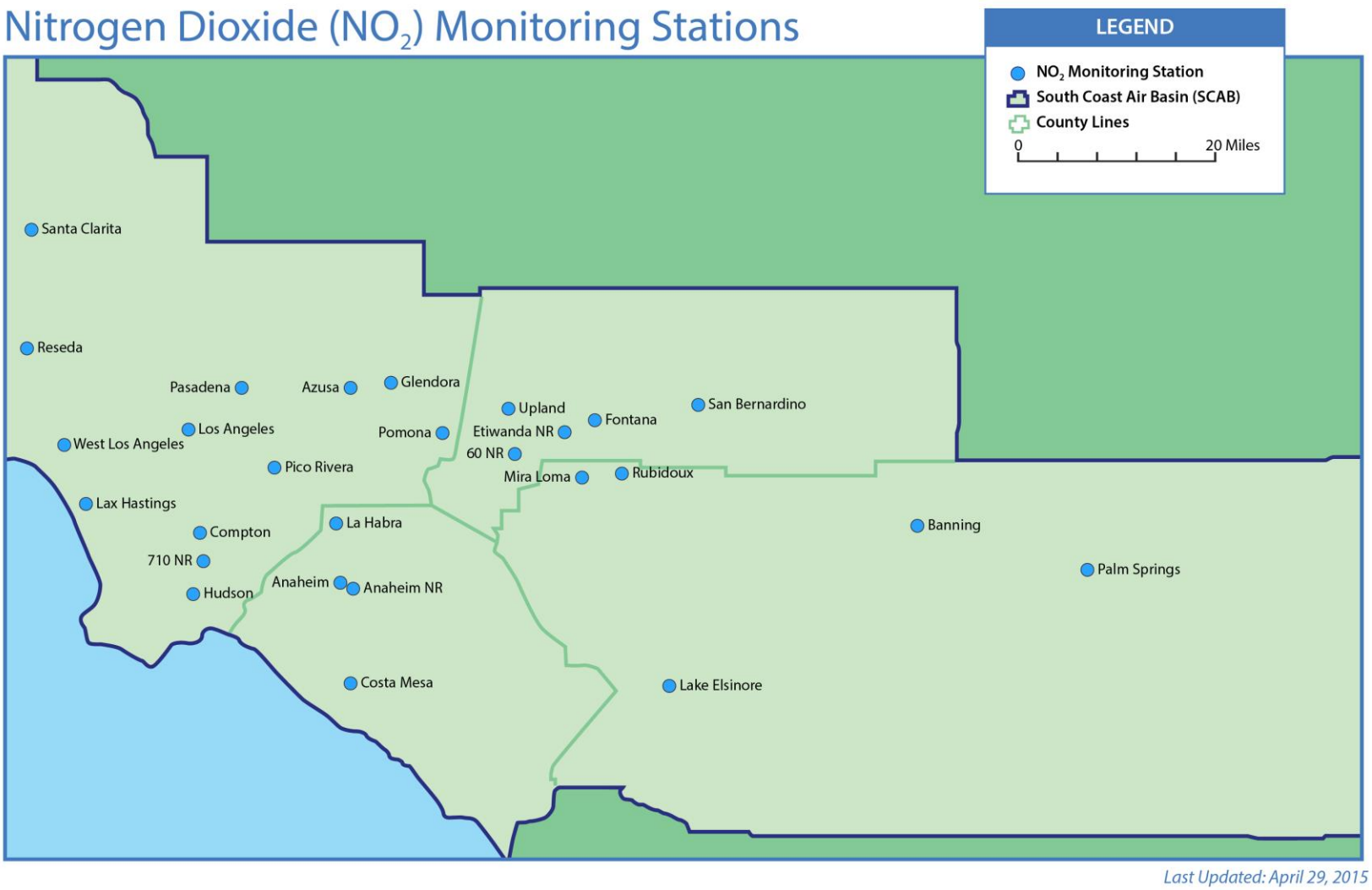

Figure 3 SCAQMD Monitoring Locations for Nitrogen Dioxide

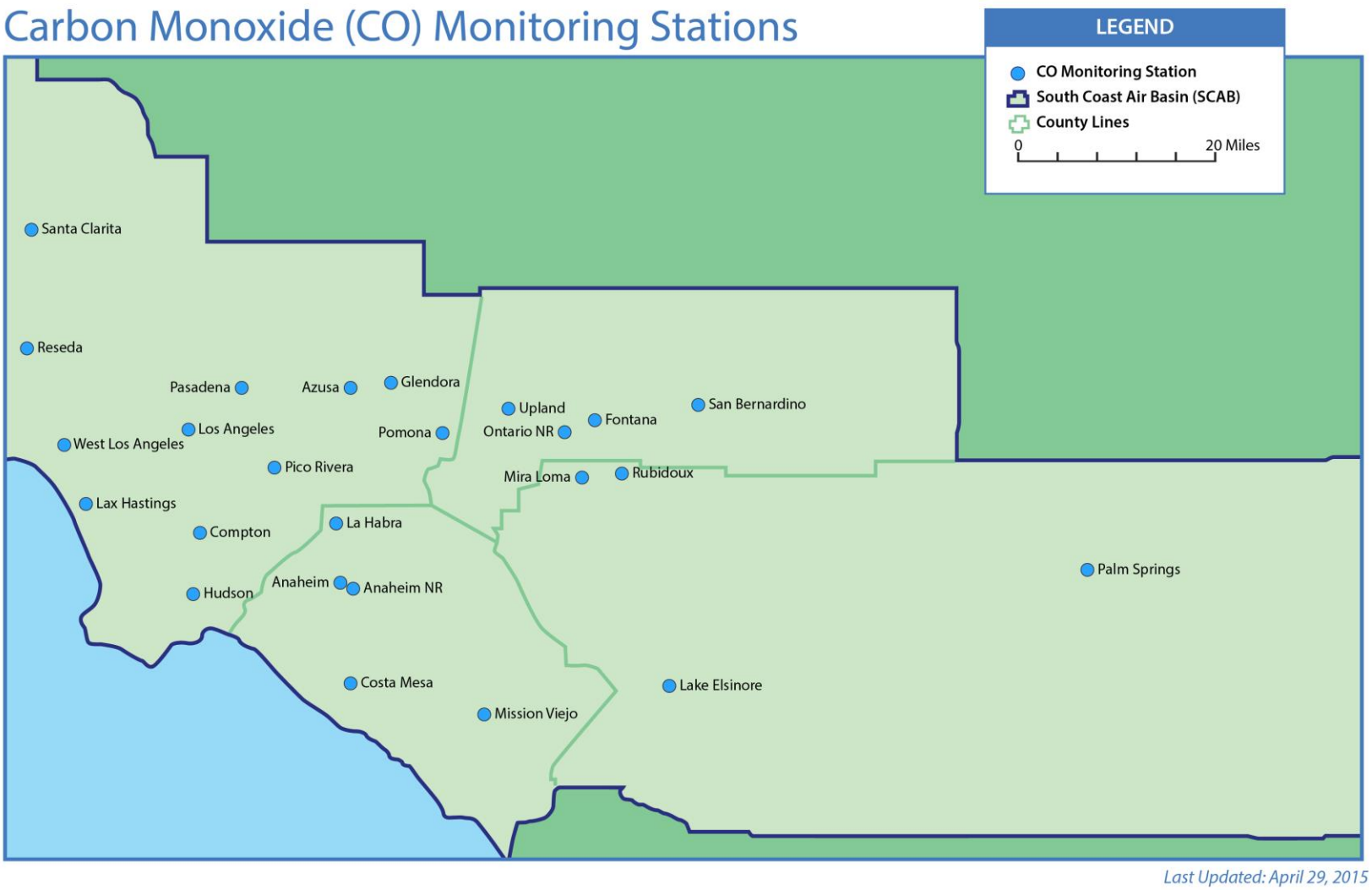

Figure 4 SCAQMD Monitoring Locations for Carbon Monoxide

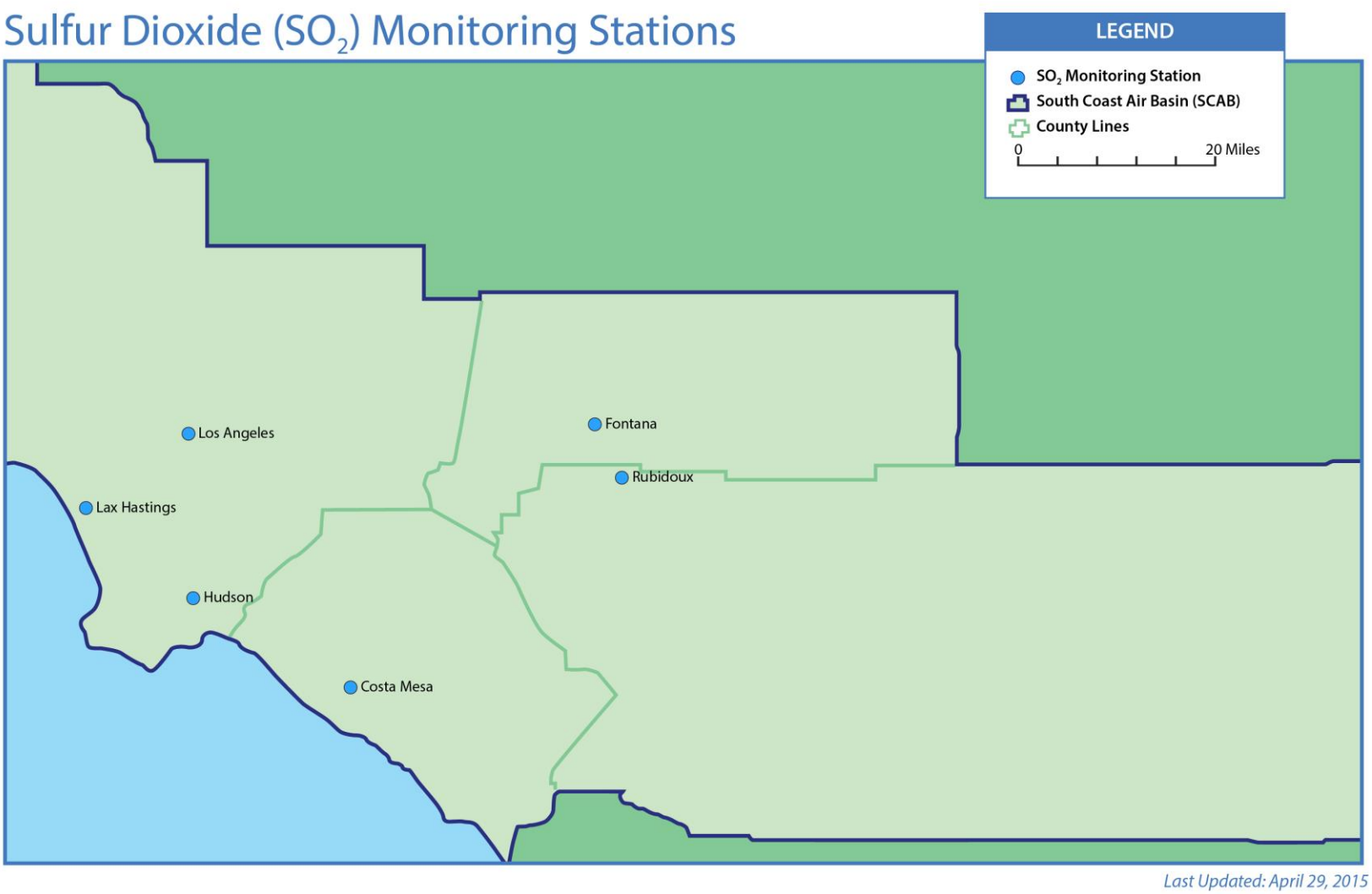

Figure 5 SCAQMD Monitoring Locations for Sulfur Dioxide

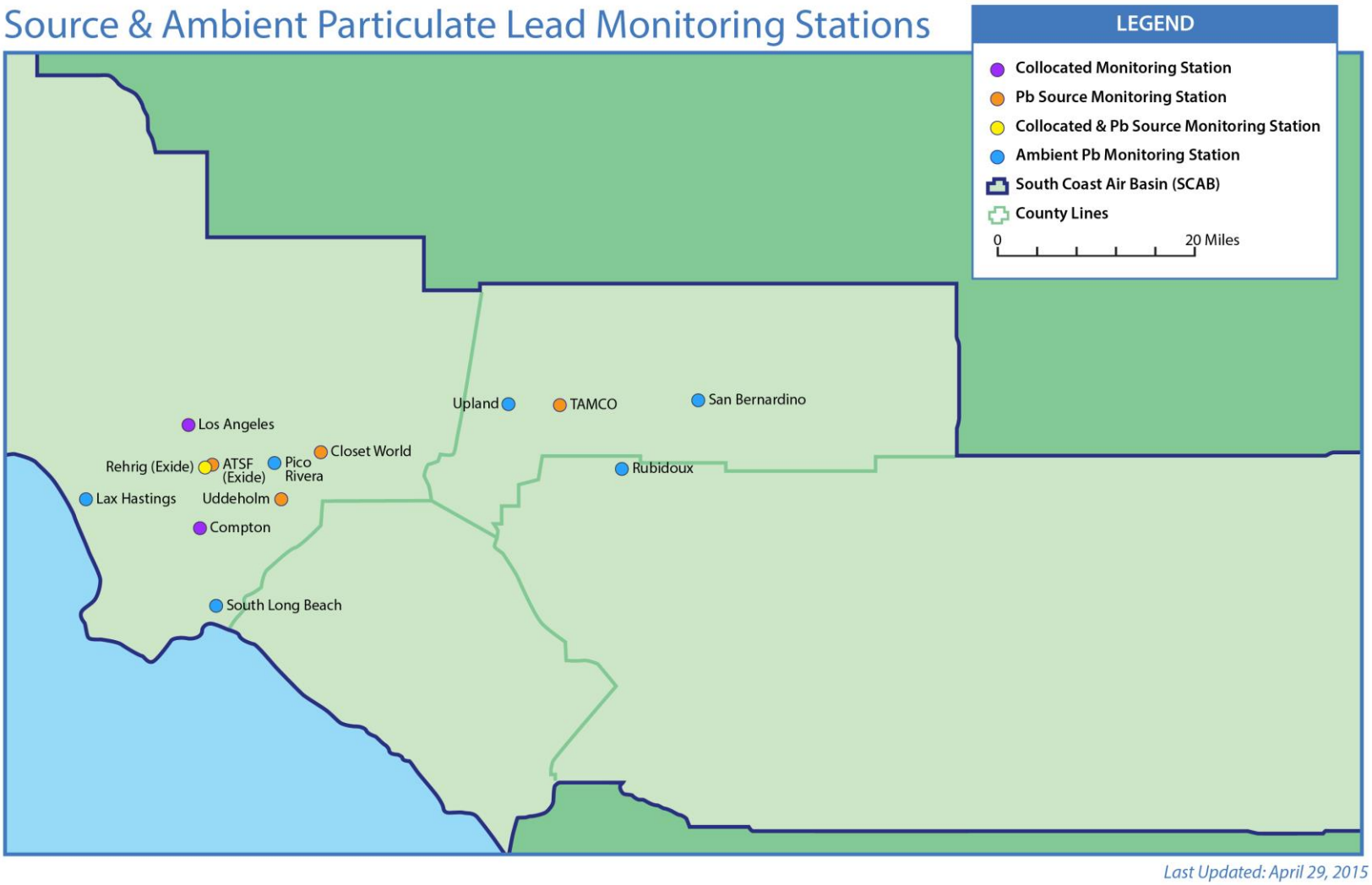

Figure 6 SCAQMD Source and Ambient Particulate Lead Monitoring Locations

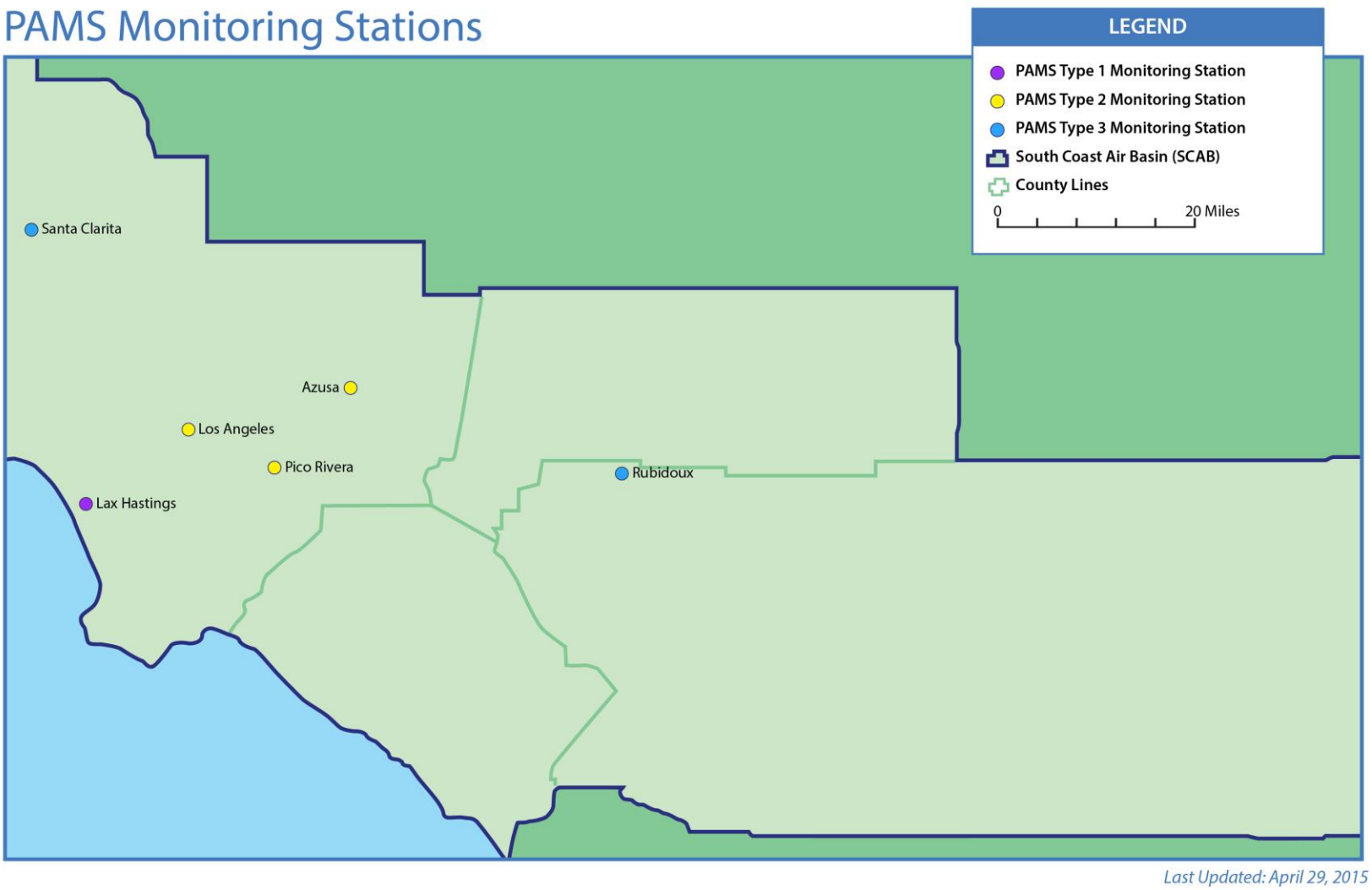

Figure 7 SCAQMD PAMS Monitoring Locations

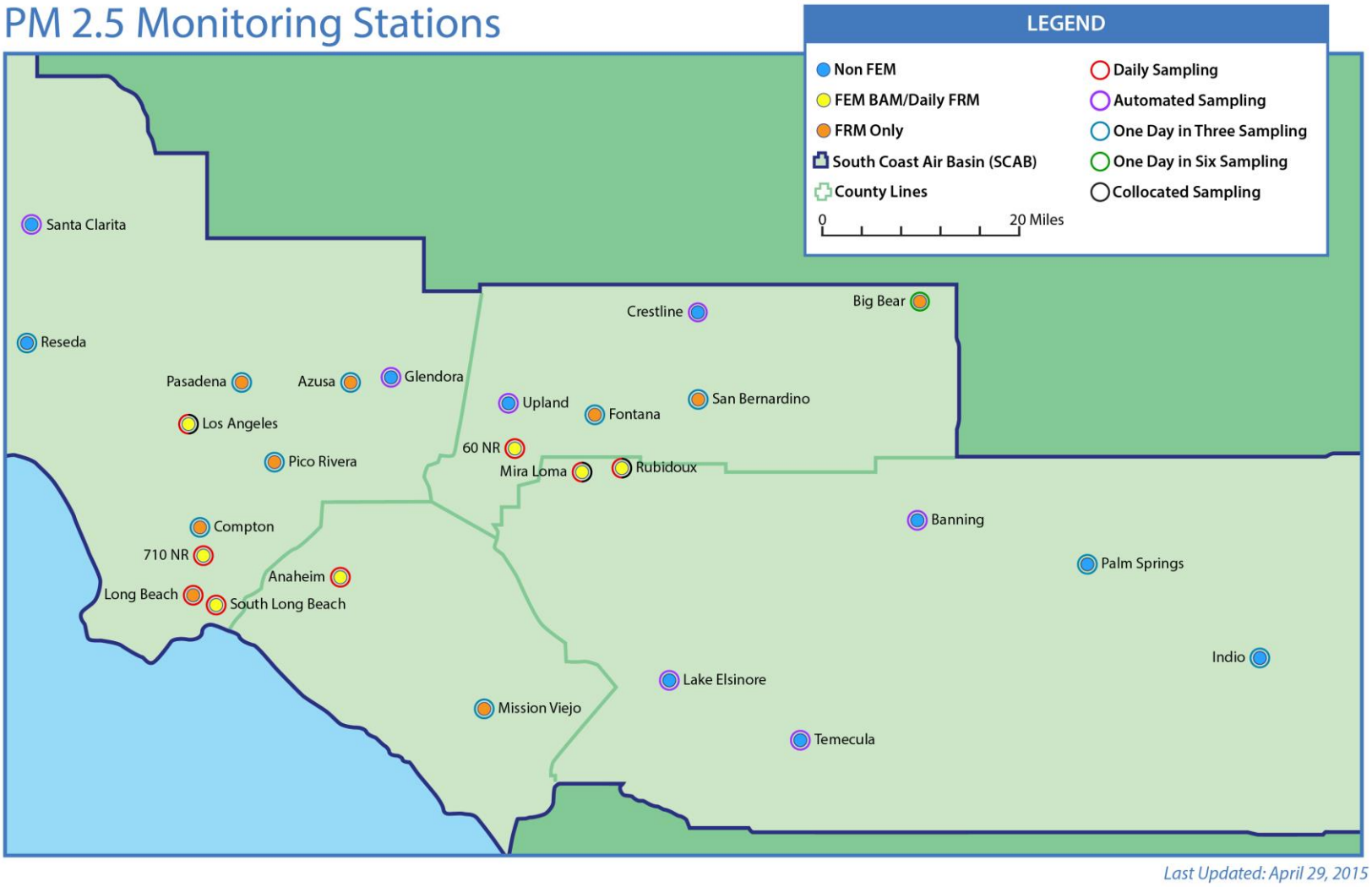

Figure 8 SCAQMD PM2.5 Monitoring Locations

2013 AIR QUALITY
SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

2013

Source/Receptor Area No.	Location	Station No.	Suspended Particulates PM10 d) No. Days of Data	Max. Conc. in µg/m³ 24-hour	No. (%) Samples Exceeding Standards Federal > 150 µg/m³ 24-hour	State > 50 µg/m³ 24-hour	Annual Average Conc. e) (AAM) µg/m³	Fine Particulates PM2.5 f) No. Days of Data	Max. Conc. in µg/m³ 24-hour	98th Percentile Conc. in µg/m³ 24-hour	No (%) Samples Exceeding Federal Std > 35 µg/m³ 24-hour	Annual Average Conc. g) (AAM) µg/m³	Lead h) Max. Monthly Average Conc. µg/m³	Max. 3-Months Rolling Averages µg/m³	PM10 Sulfate i) No. Days of Data	Max. Conc. in µg/m³ 24-hour
LOS ANGELES COUNTY																
1	Central LA	087	60	57	0	1(2%)	29.5	344	43.1	29.0	1(0.3%)	11.95	0.013	0.011	60	5.8
2	Northwest Coastal LA County	091	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3	Southwest Coastal LA County	820	56	38	0	0	20.8	--	--	--	--	--	0.005	0.004	56	5.6
4	South Coastal LA County 1	072	43*	37	0	0	23.2	331	47.2	26.1	2(0.6%)	11.34	0.006	0.006	43*	4.5
4	South Coastal LA County 2	077	56	54	0	1(2%)	27.3	341	42.9	24.6	1(0.3%)	10.97	0.012	0.009	56	4.8
4	South Coastal LA County 3	033	--	--	--	--	--	--	--	--	--	--	--	--	--	--
6	West San Fernando Valley	074	--	--	--	--	--	118	41.8	23.0	1(0.8%)	9.71	--	--	--	--
7	East San Fernando Valley	069	58	52	0	1(2%)	28.5	346	45.1	30.4	4(1.2%)	12.15	--	--	58	5.4
8	West San Gabriel Valley	088	--	--	--	--	--	64*	25.7	20.5	0(0%)	10.13	--	--	--	--
9	East San Gabriel Valley 1	060	61	76	0	6(10%)	33.0	120	29.6	26.4	0(0%)	10.54	--	--	61	4.8
9	East San Gabriel Valley 2	591	--	--	--	--	--	--	--	--	--	--	--	--	--	--
10	Pomona/Walnut Valley	075	--	--	--	--	--	--	--	--	--	--	--	--	--	--
11	South San Gabriel Valley	085	--	--	--	--	--	114	29.1	28.8	0(0%)	11.56	0.012	0.011	--	--
12	South Central LA County	112	--	--	--	--	--	113	52.1	24.3	1(0.9%)	11.95	0.014	0.011	--	--
13	Santa Clarita Valley	090	60	43	0	0	21.6	--	--	--	--	--	--	--	60	3.7
ORANGE COUNTY																
16	North Orange County	3177	--	--	--	--	--	--	--	--	--	--	--	--	--	--
17	Central Orange County	3176	59	77	0	1(2%)	25.4	331	37.8	22.7	1(0.3%)	10.09	--	--	59	4.7
18	North Coastal Orange County	3195	--	--	--	--	--	--	--	--	--	--	--	--	--	--
19	Saddleback Valley	3812	61	51	0	1(2%)	19.3	117	28.0	17.5	0(0%)	8.08	--	--	61	4.4
RIVERSIDE COUNTY																
22	Norco/Corona	4155	57	58	0	2(4%)	28.3	--	--	--	--	--	--	--	57	4.2
23	Metropolitan Riverside County 1	4144	119	135	0	10(8%)	33.8	353	60.3	34.6	6(1.7%)	12.50	0.010	0.009	119	4.2
23	Metropolitan Riverside County 2	4146	--	--	--	--	--	117	53.7	29.2	1(0.9%)	11.28	0.007	0.006	--	--
23	Mira Loma	4165	59	147	0	14(24%)	41.1	355	56.5	37.5	9(2.5%)	14.12	--	--	59	4.2
24	Perris Valley	4149	57	70	0	10(18%)	33.6	--	--	--	--	--	--	--	57	3.4
25	Lake Elsinore	4158	--	--	--	--	--	--	--	--	--	--	--	--	--	--
26	Temecula	4031	--	--	--	--	--	--	--	--	--	--	--	--	--	--
29	Banning Airport	4164	61	64	0	1(2%)	20.6	--	--	--	--	--	--	--	61	2.9
30	Coachella Valley 1**	4137	60	129	0	3(5%)	22.6	117	18.5	13.8	0(0%)	6.52	--	--	60	3.5
30	Coachella Valley 2**	4157	120	129+	0+	23(19%)	38.1	118	25.8	15.9	0(0%)	8.35	--	--	120	3.9
SAN BERNARDINO COUNTY																
32	Northwest San Bernardino Valley	5175	--	--	--	--	--	--	--	--	--	--	0.008	0.006	--	--
33	Southwest San Bernardino Valley	5817	60	115	0	3(5%)	33.2	110	49.3	26.8	1(0.9%)	11.98	--	--	60	4.8
34	Central San Bernardino Valley 1	5197	61	90	0	19(31%)	40.6	121	43.6	33.1	1(0.8%)	12.26	--	--	61	4.1
34	Central San Bernardino Valley 2	5203	60	102	0	3(5%)	31.3	110	55.3	33.4	1(0.9%)	11.41	0.010	0.010	60	4.6
35	East San Bernardino Valley	5204	61	72	0	2(3%)	27.1	--	--	--	--	--	--	--	61	3.6
37	Central San Bernardino Mountains	5181	60	37	0	0	21.4	--	--	--	--	--	--	--	60	3.6
38	East San Bernardino Mountains	5818	--	--	--	--	--	59	35.5	35.1	1(1.7%)	9.67	--	--	--	--
	DISTRICT MAXIMUM			147+	0+	23	41.1		60.3	37.5	9	14.12	0.013++	0.011++		5.8
	SOUTH COAST AIR BASIN			147	0	33	41.1		60.4	37.5	13	14.12	0.013++	0.011++		5.8

* Incomplete data. ** 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 monitoring instruments were operated at some of the above locations. Max 24-hour average PM10 at sites with FEM monitoring was 153 µg/m³, at Indio (155 µg/m³ is needed to exceed the PM10 standard).

e) - State standard is annual average (AAM) > 20 µg/m³. Federal annual PM10 standard (AAM > 50 µg/m³) was revoked in 2006.

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 for special purposes with the max 24-hour average concentration recorded of 83.2 µg/m³, (at Mira Loma).

g) - U.S. EPA has revised the federal annual PM2.5 standard from annual average (AAM) > 15.0 µg/m³ to AAM > 12.0 µg/m³, effective December 14, 2012. State standard is annual average (AAM) > 12.0 µg/m³.

+) - High PM10 data sample (159 µg/m³ on August 23 at Indio) excluded due to the high wind in accordance with the EPA Exceptional Event Regulation. Also, multiple high PM10 FEM data recorded in Coachella Valley and the Basin were excluded.

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. Lead standards were not exceeded.

++) – Higher lead concentrations were recorded at source-oriented monitoring sites immediately downwind of stationary lead sources. Maximum monthly and 3-month rolling averages recorded were 0.14 µg/m³ and 0.10 µg/m³, respectively.

i) – State sulfate standard is 24-hour ≥ 25 µg/m³. There is no federal standard for sulfate.

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Figure 9 SCAQMD 2013 Air Quality Data Summary