

2015 Annual Air Quality Report Santa Barbara County

Board of Directors Santa Barbara County Air Pollution Control District

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Air Monitoring/IT Supervisor
October 20, 2016

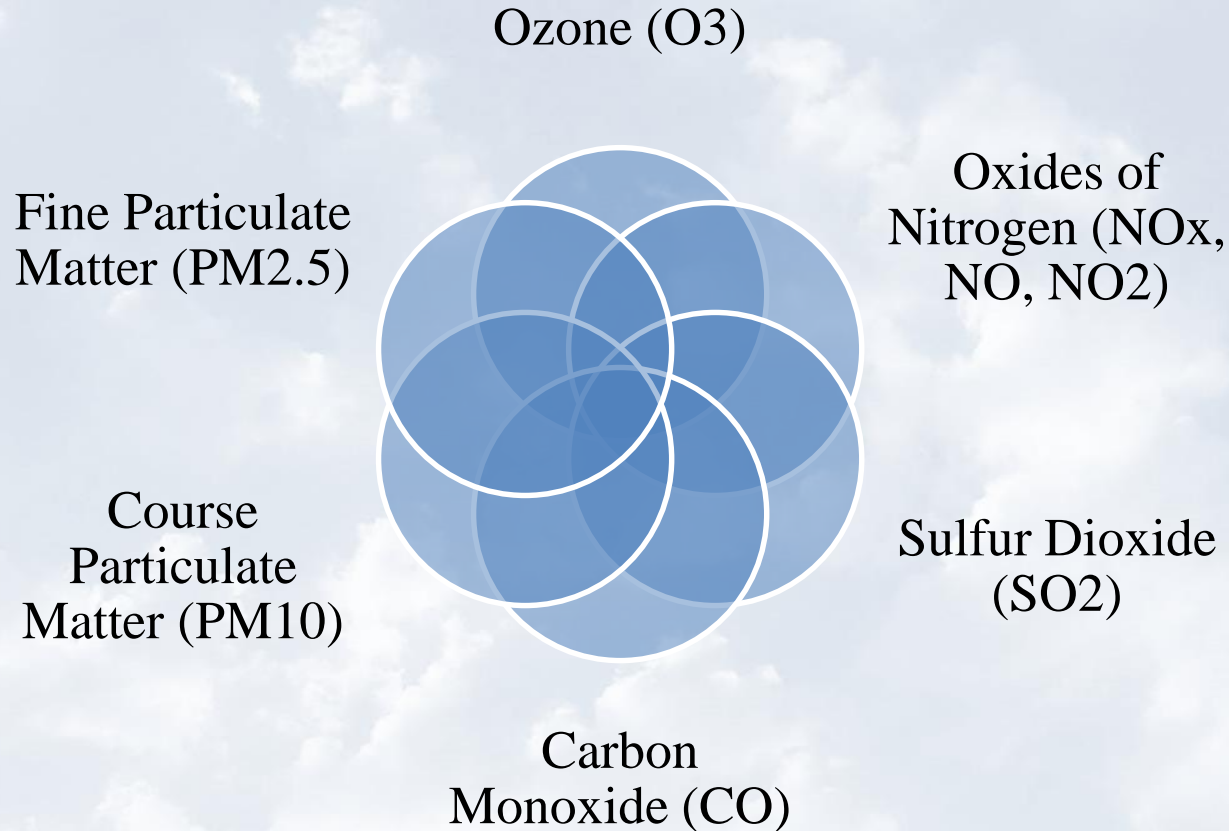
Stations Monitoring Ozone and Particulates			
Location	Ozone	PM10	PM2.5
Santa Barbara	Good (44)	NA	Moderate (69)
Santa Maria	Good (33)	Good (37)	Moderate (53)
Lompoc H St	Good (31)	Good (41)	Moderate (86)
Goleta	Good (43)	Good (18)	Good (45)
El Capitan	Moderate (58)	Good (22)	
Las Flores Cyn	Moderate (58)	Good (25)	
VAFB	NA	NA	
Carpinteria	Good (44)		
Lompoc HS and P	Good (31)		
Nojoqui	Good (47)		
Paradise Rd	Good (42)		
Santa Ynez	Good (40)		

Air Quality Index

Overview

- 2015 Air Quality Report
- Summary by Pollutant
- Air Quality Trends
- Air Quality Index

Primary Pollutants



Health Based Standards

Pollutant	Avg Interval	National Standard	California Standard
Ozone	8 hour	0.070 ppm	0.070 ppm
Ozone	1 hour	none	0.090 ppm
PM10	24 hour	150 ug/m3	50 ug/m3
PM10	Annual	none	20 ug/m3
PM2.5	24 hour	35 ug/m3	none
PM2.5	Annual	12 ug/m3	12 ug/m3
Carbon Monoxide	1 hour	35 ppm	20 ppm
Carbon Monoxide	8 hour	9 ppm	9 ppm
Nitrogen Dioxide	1 hour	100 ppb	0.18 ppm
Nitrogen Dioxide	Annual	0.053 ppm	0.030 ppm
Sulfur Dioxide	1 hour	75 ppb	0.2 ppm
Sulfur Dioxide	24 hour	0.14 ppm	0.04 ppm

2015 Exceedance Days

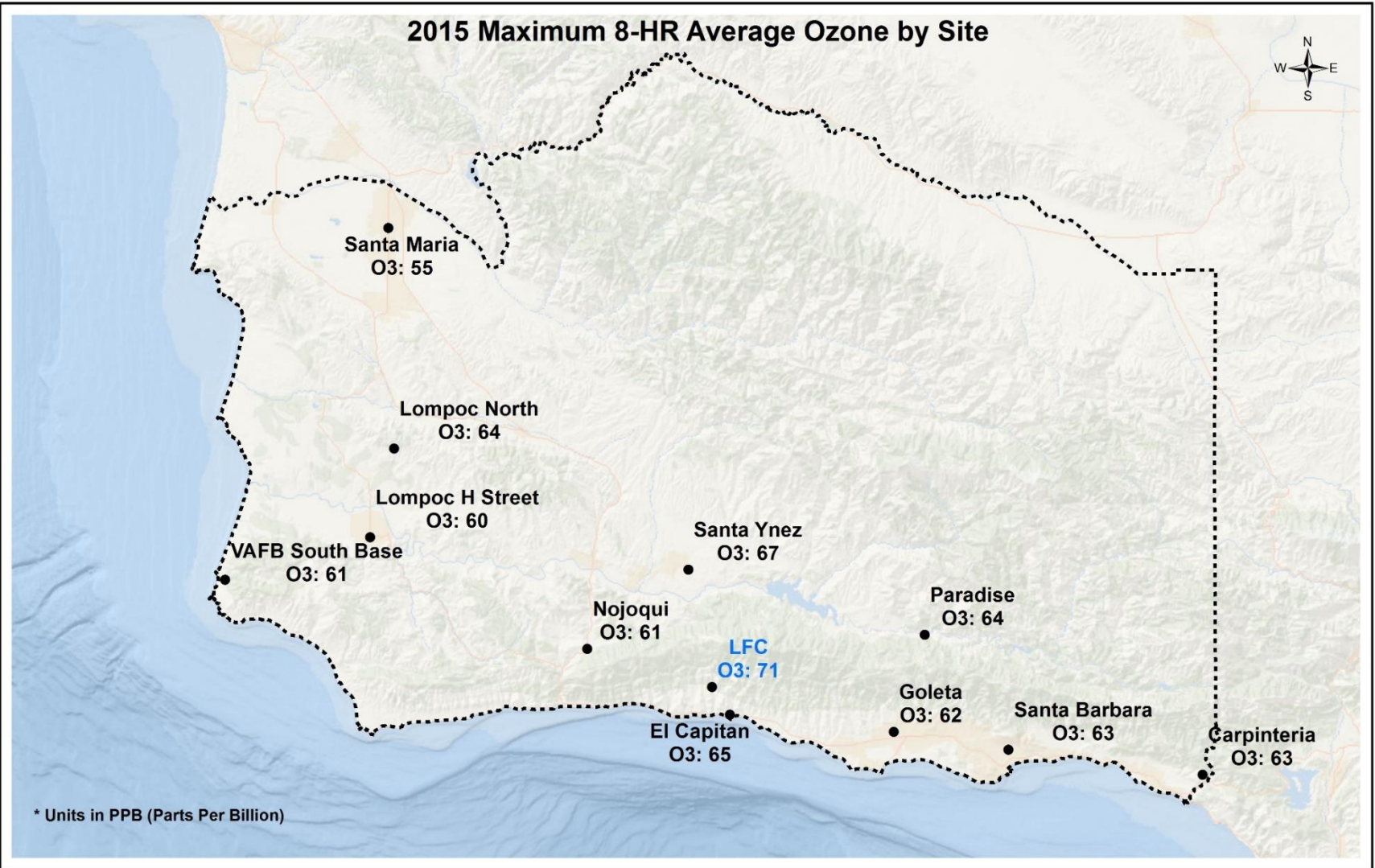
Ozone

- 2 days over State 8 hour standard of 0.070 ppm (70 ppb).

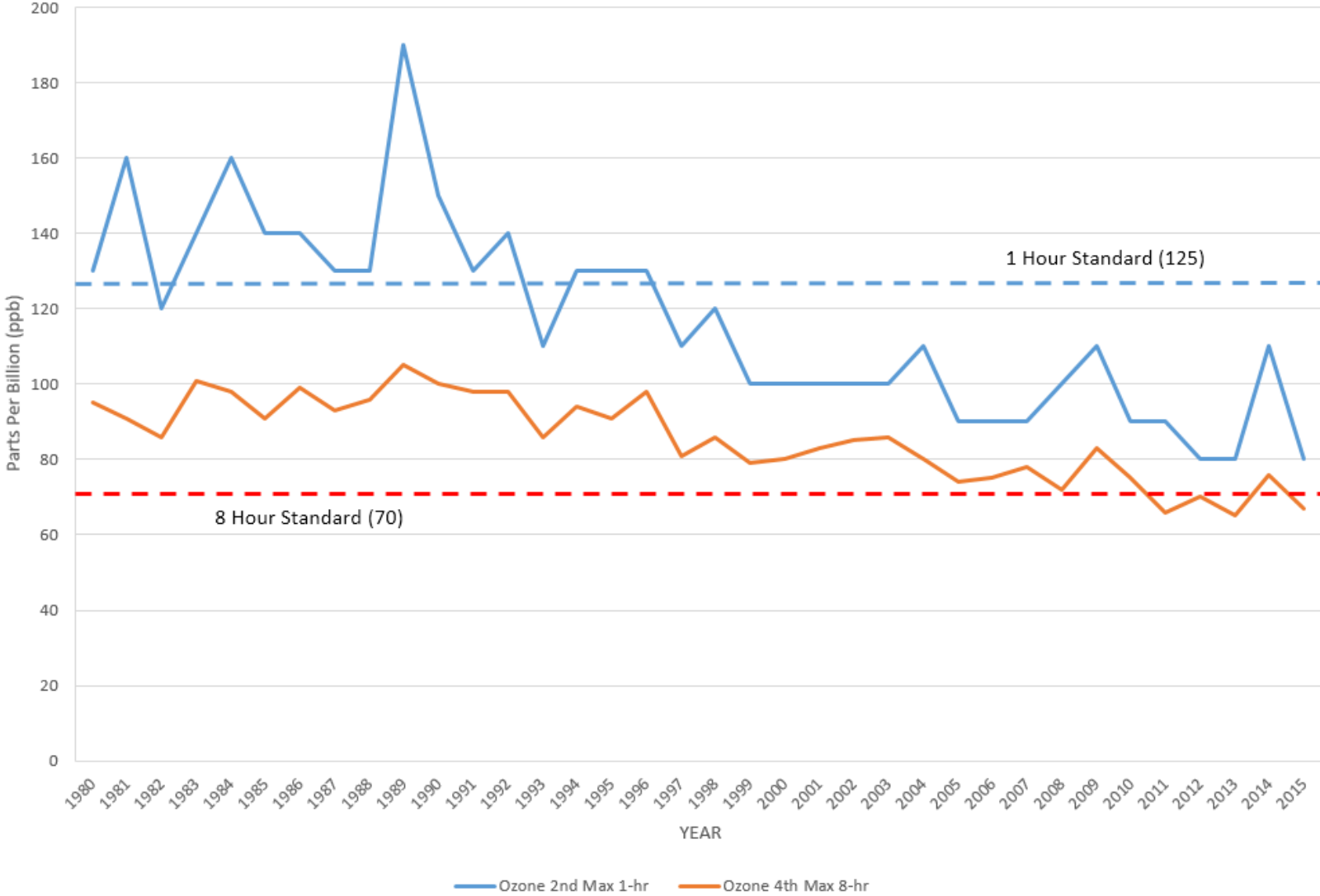
PM10

- 15 days over State 24 hour standard of 50 ug/m³.
- Exceeded State annual mean standard of 20 ug/m³.

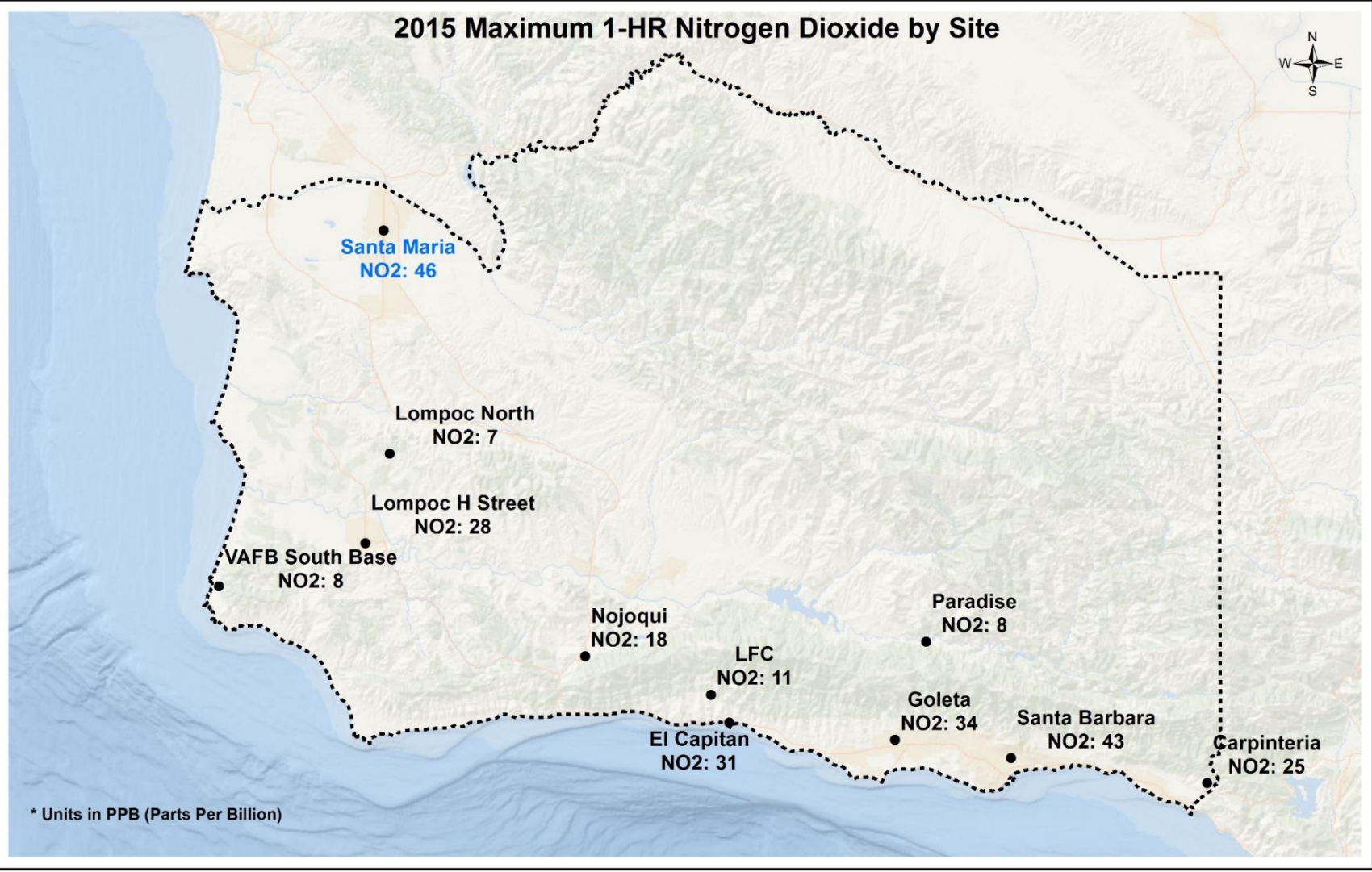
2015 Maximum 8-HR Average Ozone by Site



Ozone (O3) Trends in Santa Barbara County

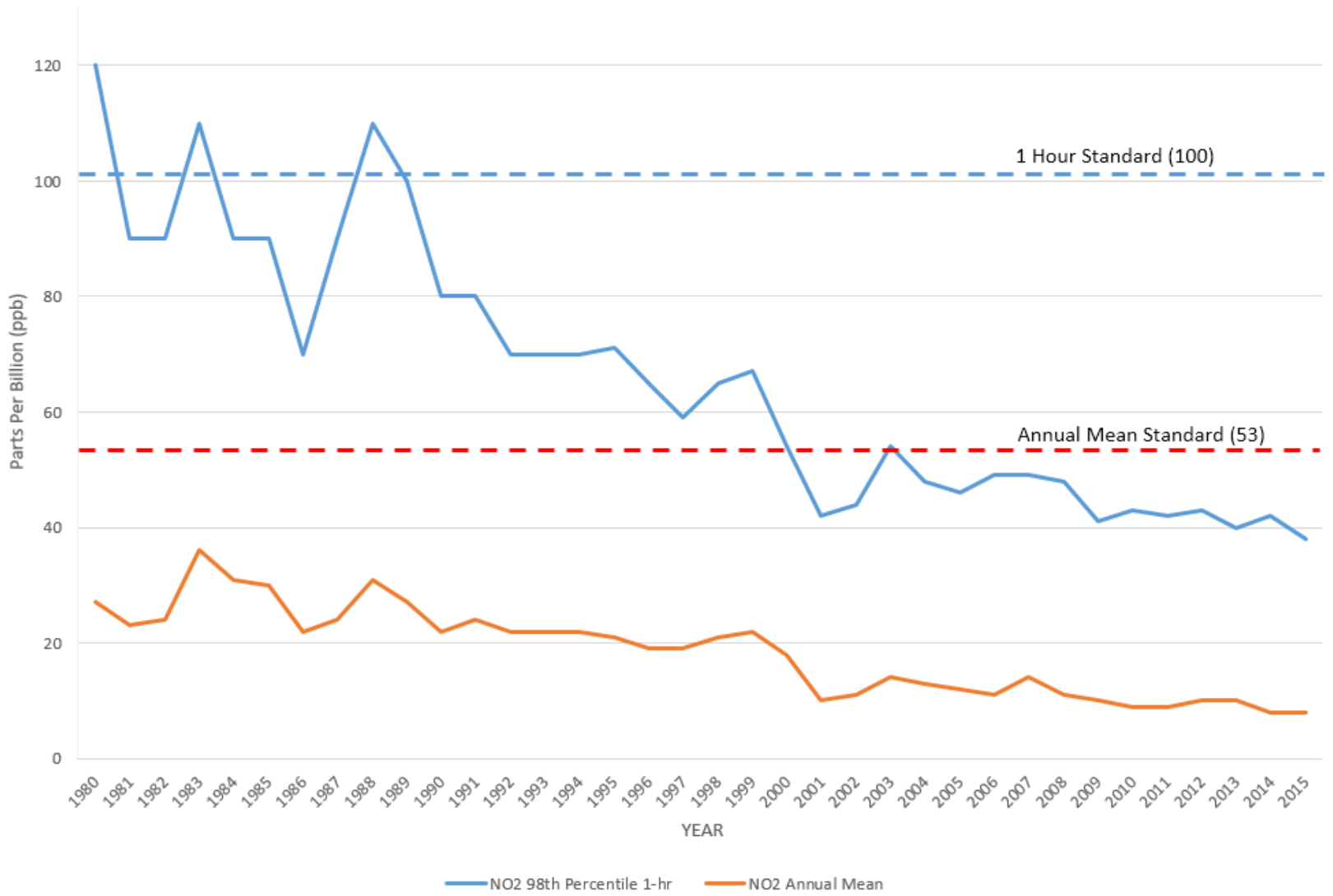


2015 Maximum 1-HR Nitrogen Dioxide by Site

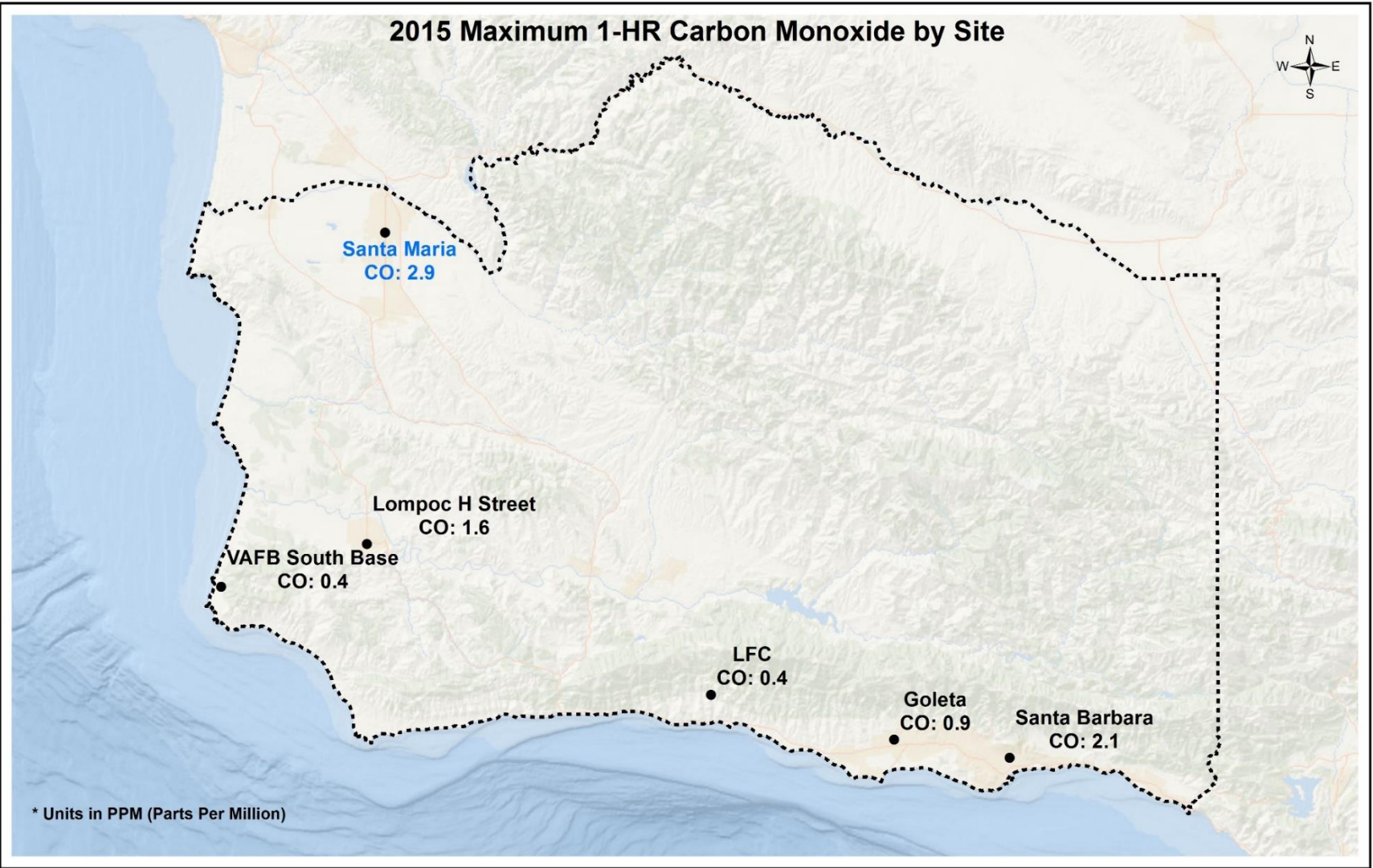


* Units in PPB (Parts Per Billion)

Nitrogen Dioxide (NO2) Trends in Santa Barbara County

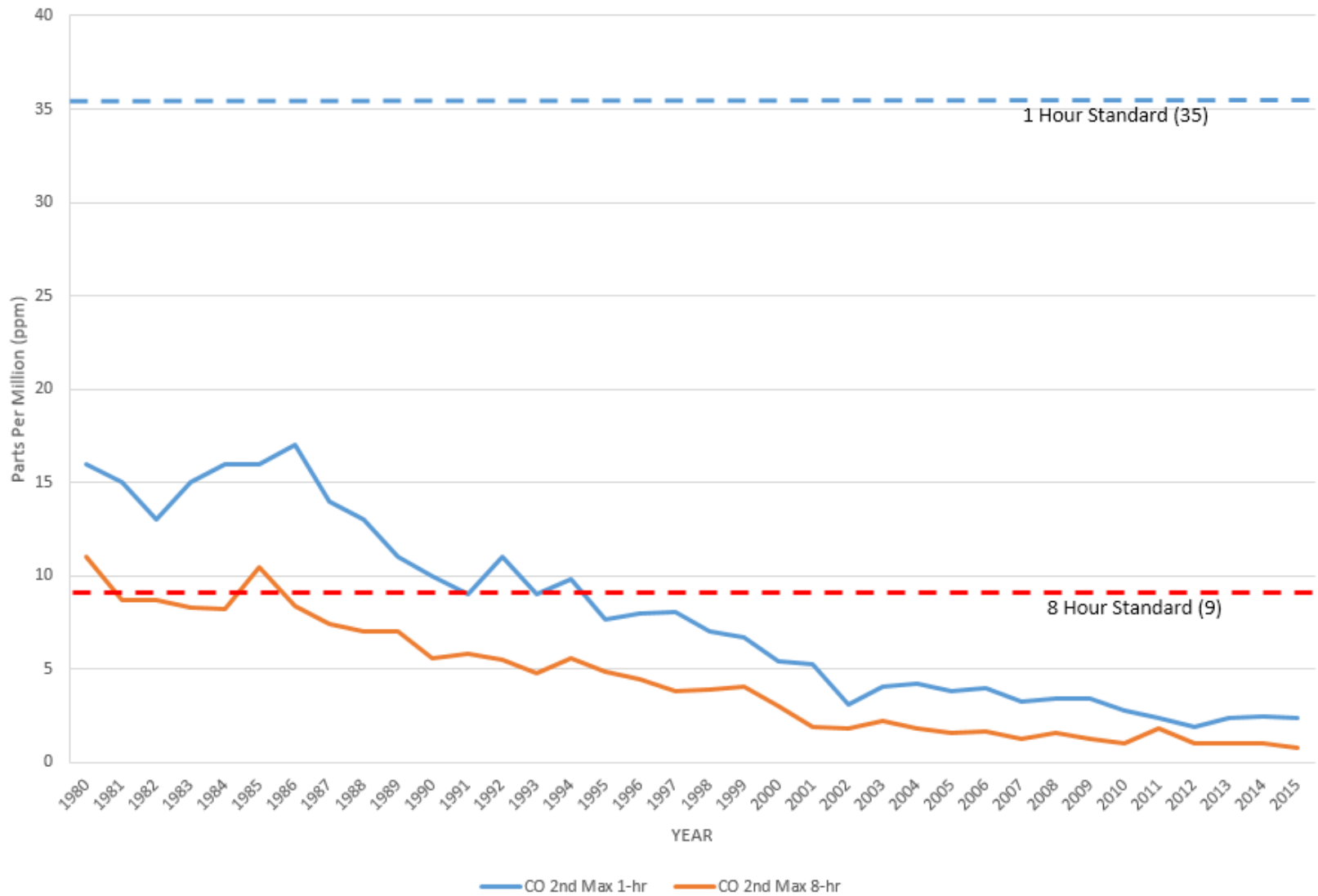


2015 Maximum 1-HR Carbon Monoxide by Site

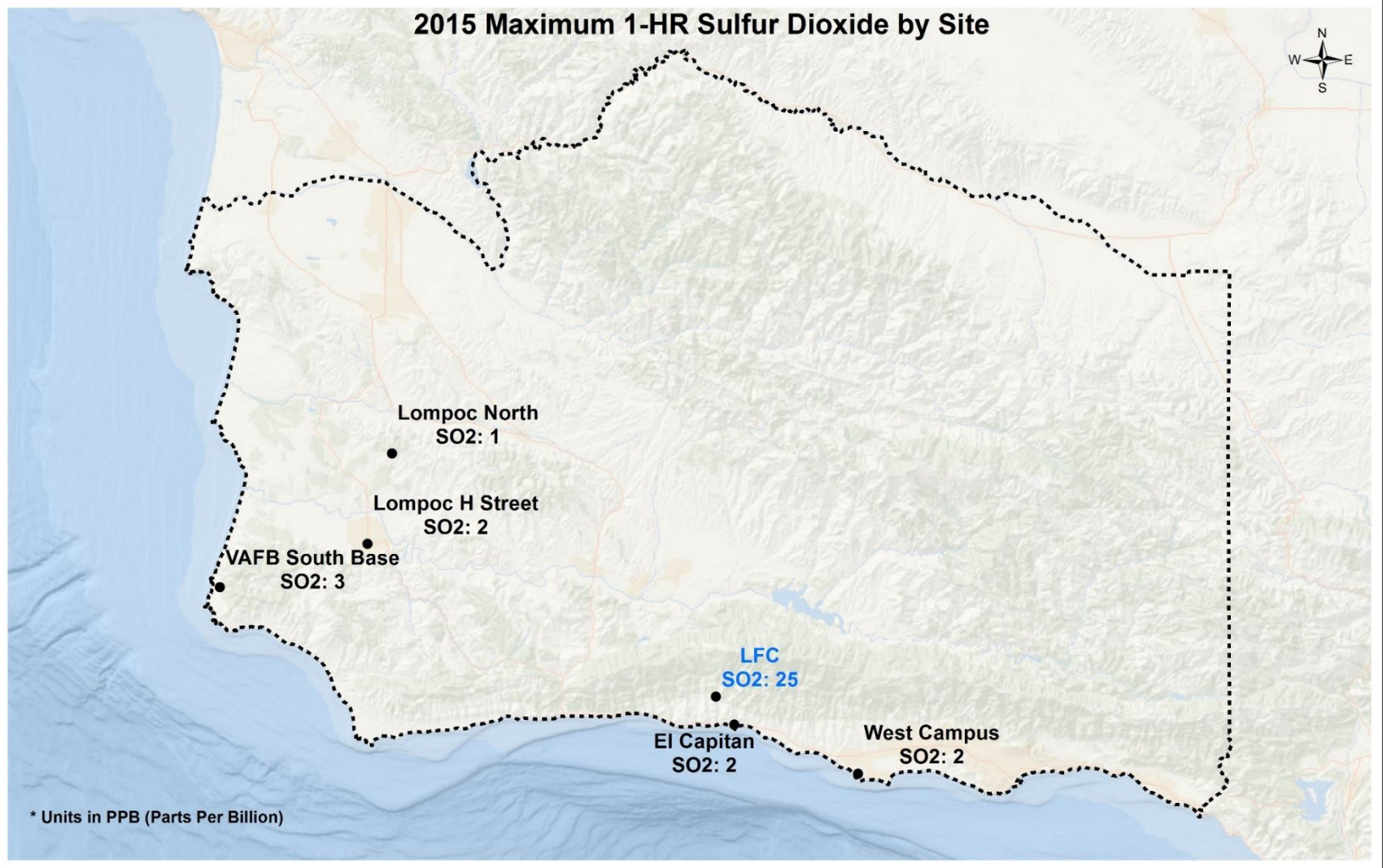


* Units in PPM (Parts Per Million)

Carbon Monoxide (CO) Trends in Santa Barbara County

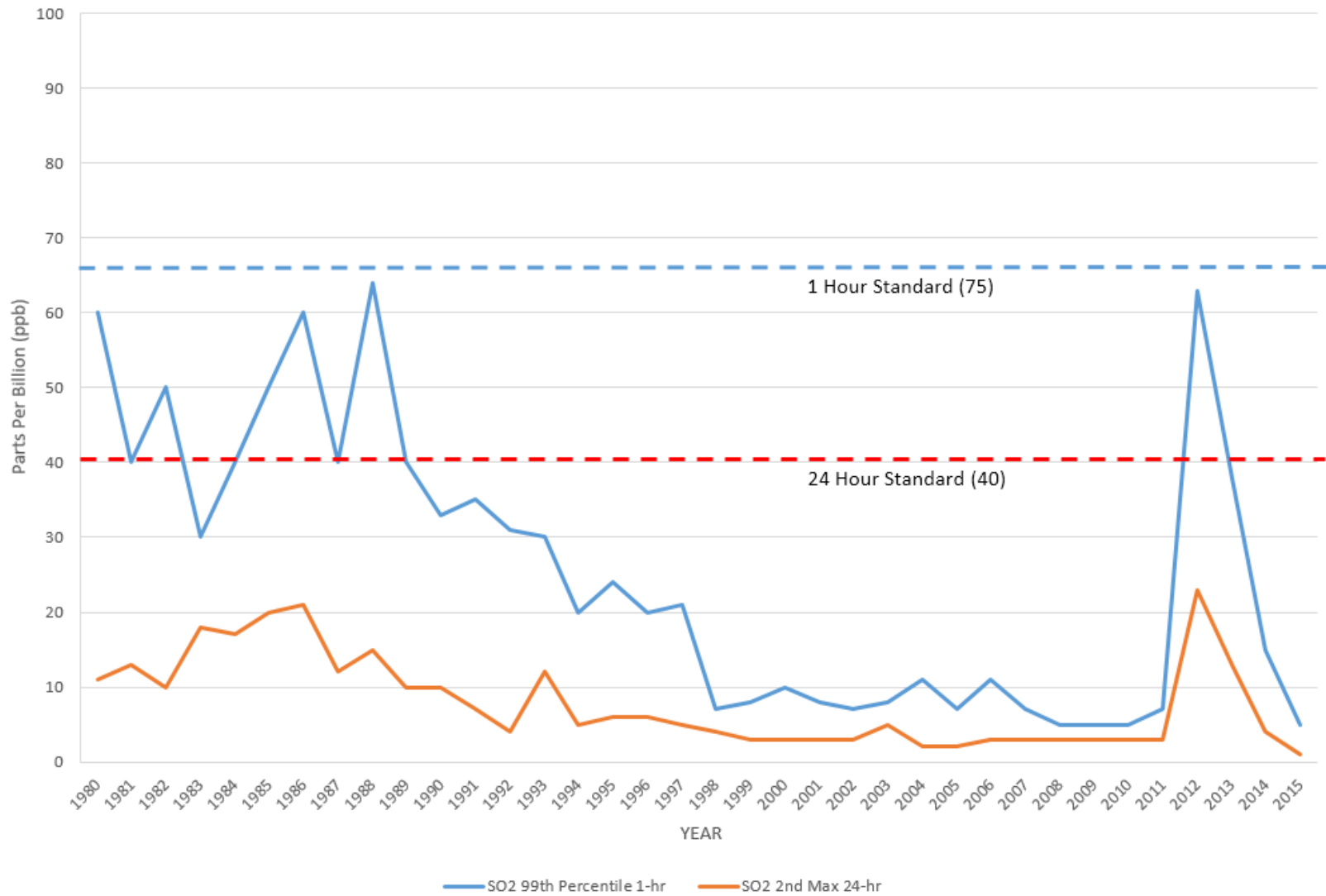


2015 Maximum 1-HR Sulfur Dioxide by Site



* Units in PPB (Parts Per Billion)

Sulfur Dioxide (SO2) Trends in Santa Barbara County



2015 Maximum 24-HR Particulate Matter 10 by Site



Santa Maria
PM10: 66

Lompoc H Street
PM10: 53

VAFB South Base
PM10: 61

LFC
PM10: 41

El Capitan
PM10: 134

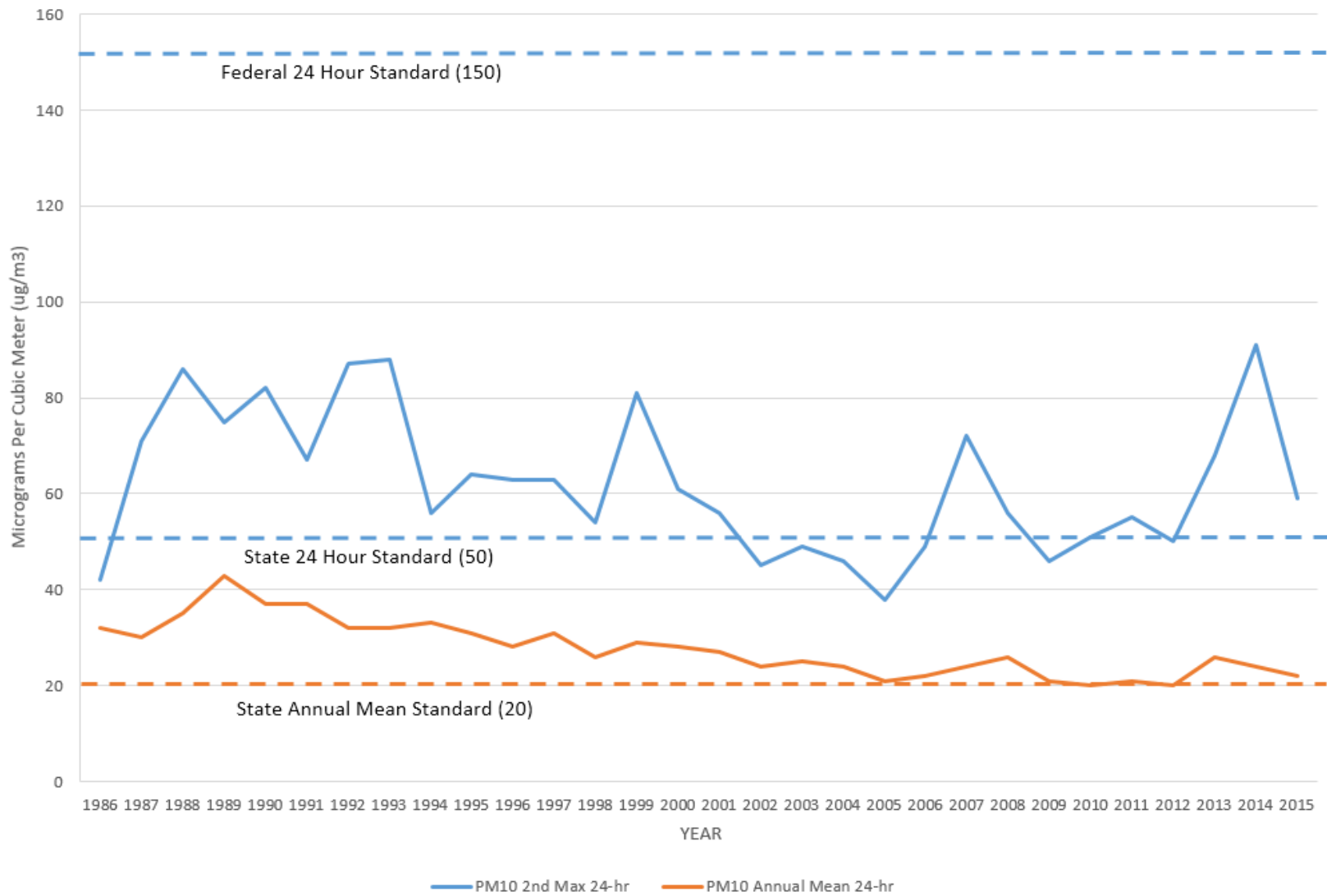
Goleta
PM10: 41

Santa Barbara
PM10: 48

* Units in $\mu\text{g}/\text{M}^3$ (Microgram per Cubic Meter)



Particulate Matter < 10 Microns (PM10) Trends in Santa Barbara County



2015 Maximum 24-HR Particulate Matter 2.5 by Site



Santa Maria
PM2.5: 19

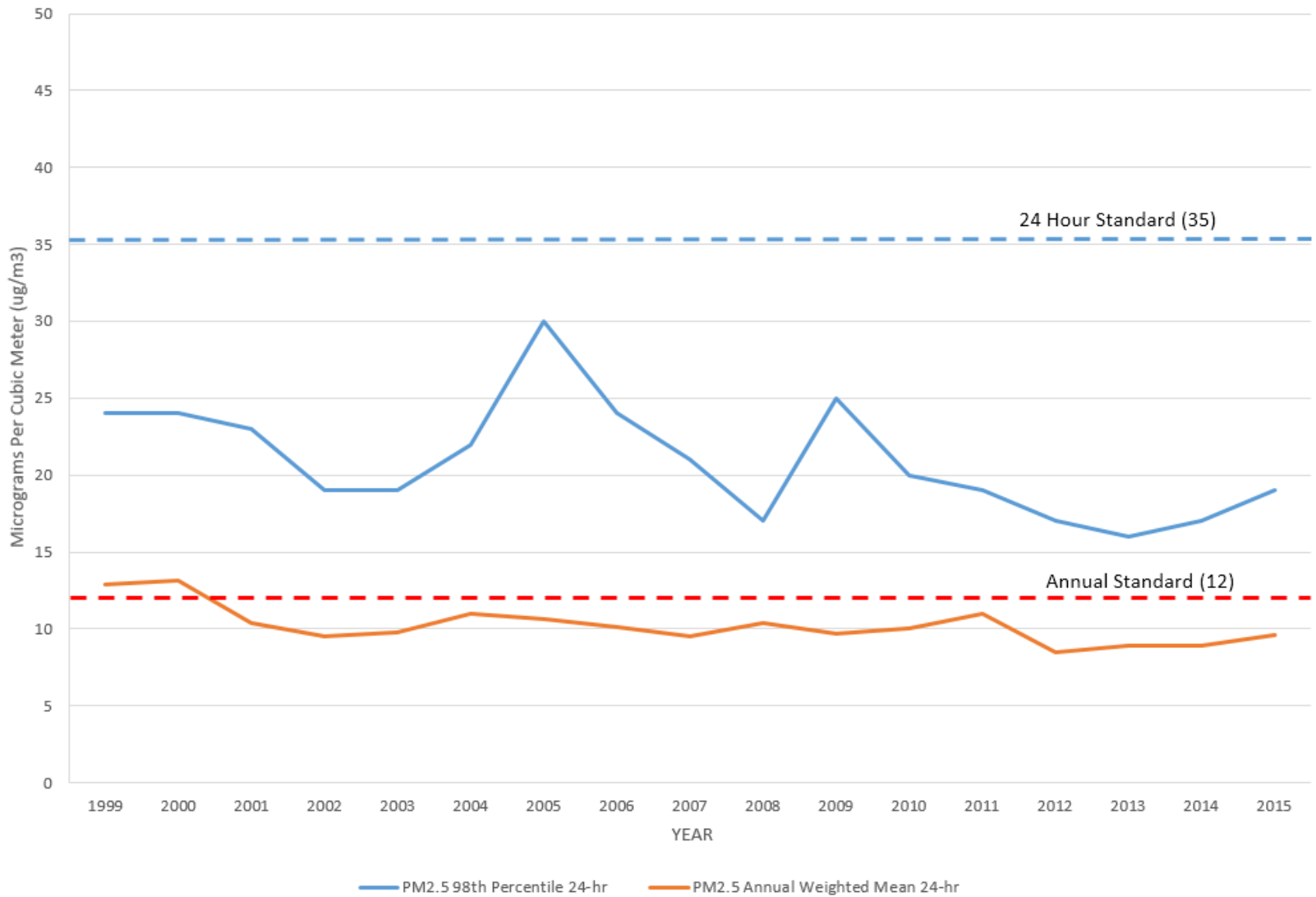
Lompoc H Street
PM2.5: 21

Goleta
PM2.5: 23

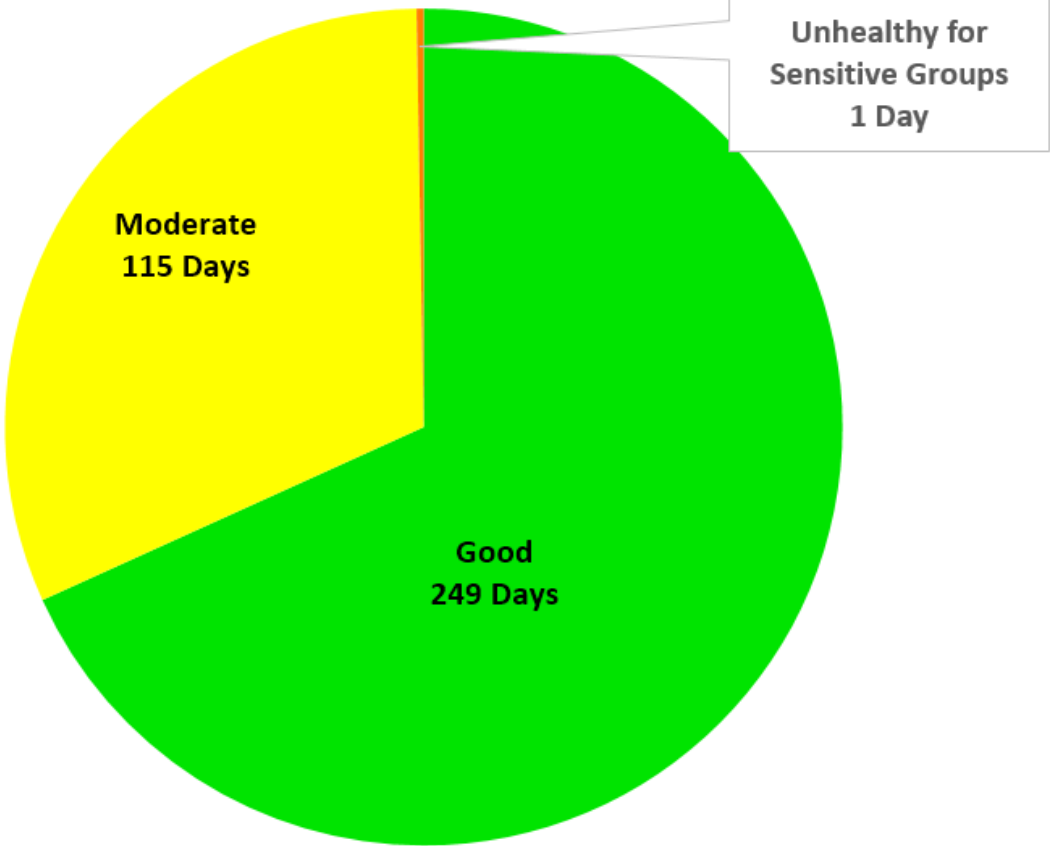
Santa Barbara
PM2.5: 21

* Units in $\mu\text{g}/\text{M}^3$ (Microgram per Cubic Meter)

Particulate Matter < 2.5 Microns (PM2.5) Trends in Santa Barbara County



2015 Air Quality Index



Contact Information

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