

2016 Annual Air Quality Report Santa Barbara County

**Board of Directors
Santa Barbara County
Air Pollution Control District**

**Joel Cordes
Air Monitoring/IT Supervisor
August 17, 2017**

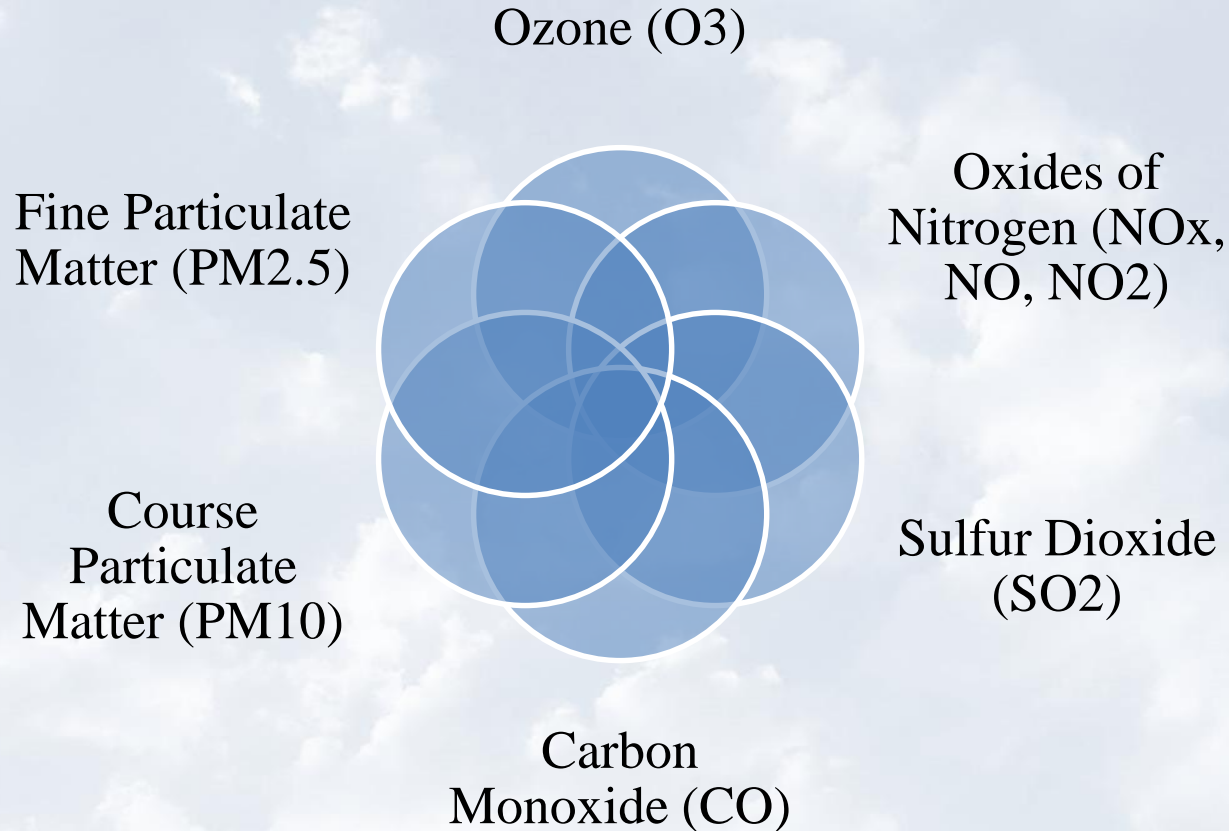


View of Sherpa Fire
From Monitoring Station

Overview

- 2016 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

2016 Exceedance Days

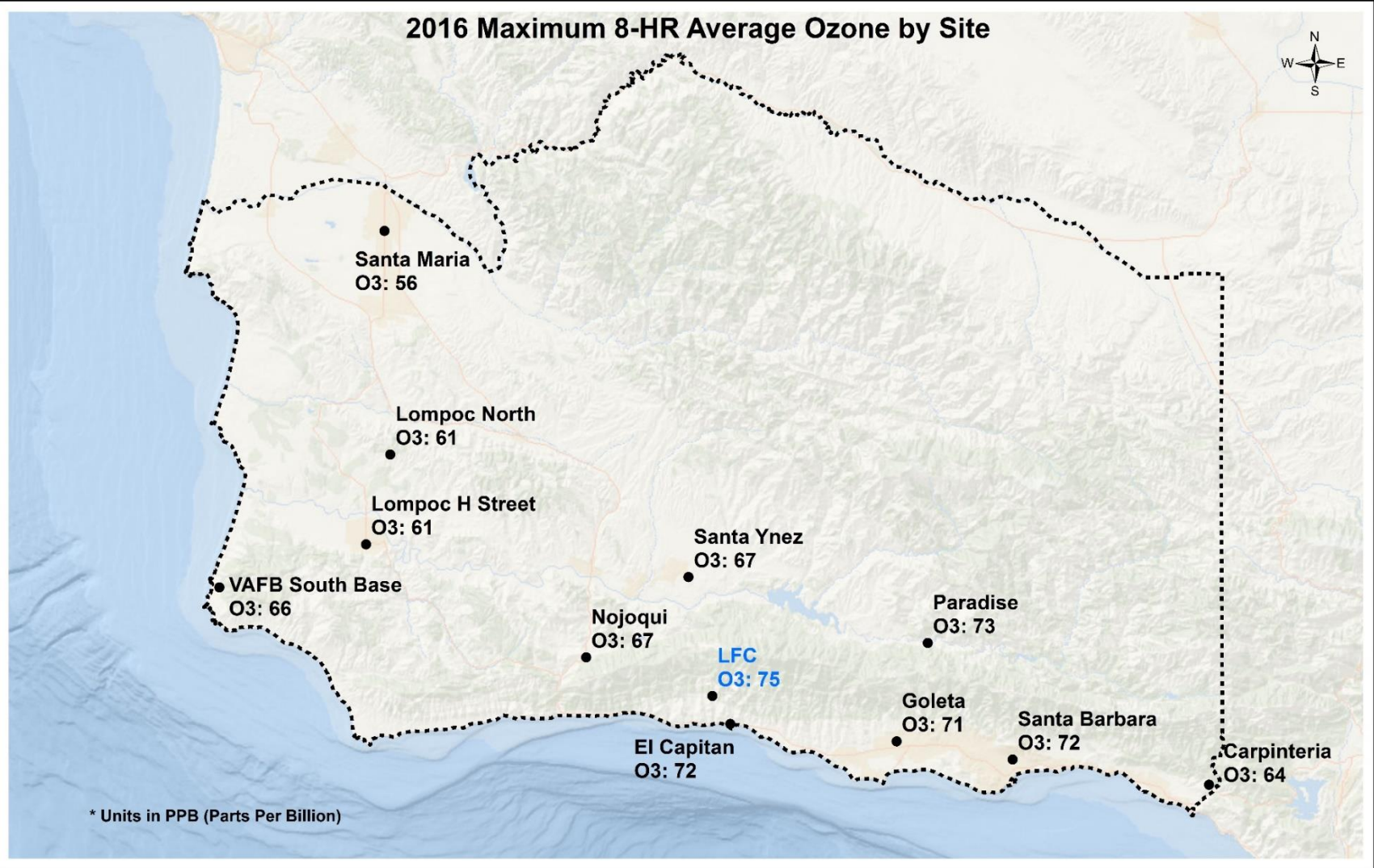
Ozone

- 3 days over Federal 8 hour standard of 70 ppb.
- 3 days over State 8 hour standard of 70 ppb.

PM10

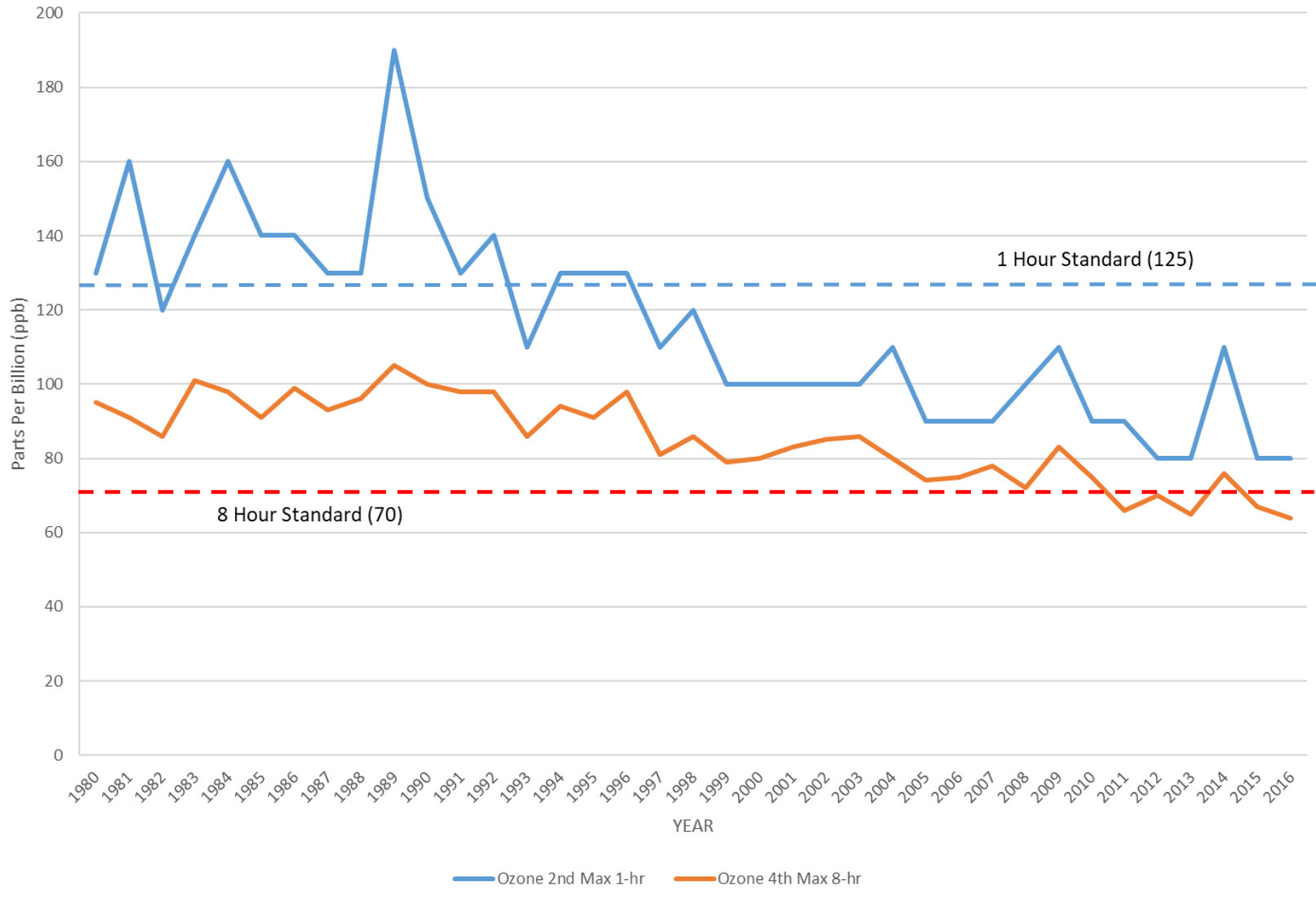
- 9 days over Federal 24 hour standard of 150 ug/m³.
- 44 days over State 24 hour standard of 50 ug/m³.
- Exceeded State annual mean standard of 20 ug/m³.

2016 Maximum 8-HR Average Ozone by Site

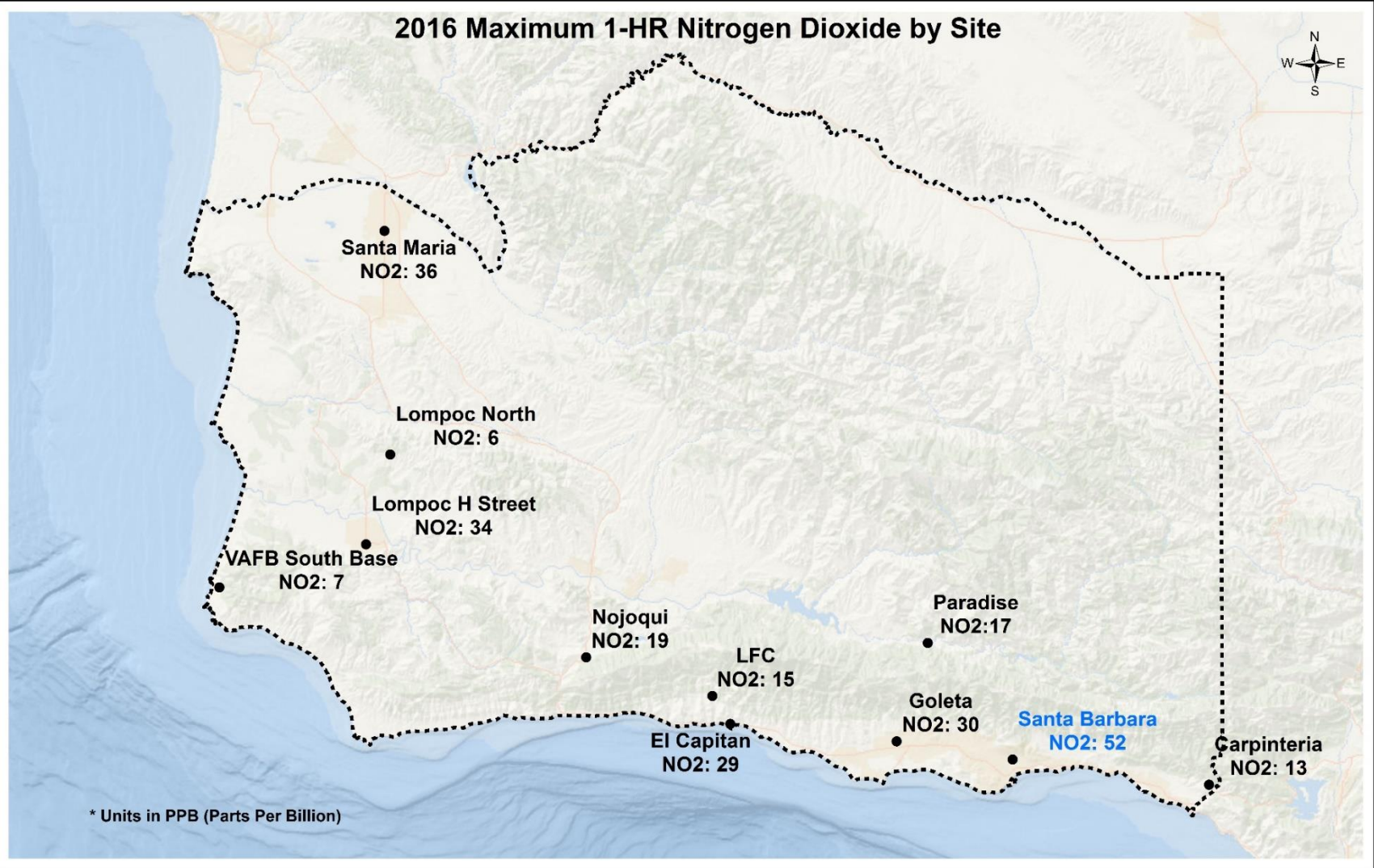


* Units in PPB (Parts Per Billion)

Ozone (O3) Trends in Santa Barbara County

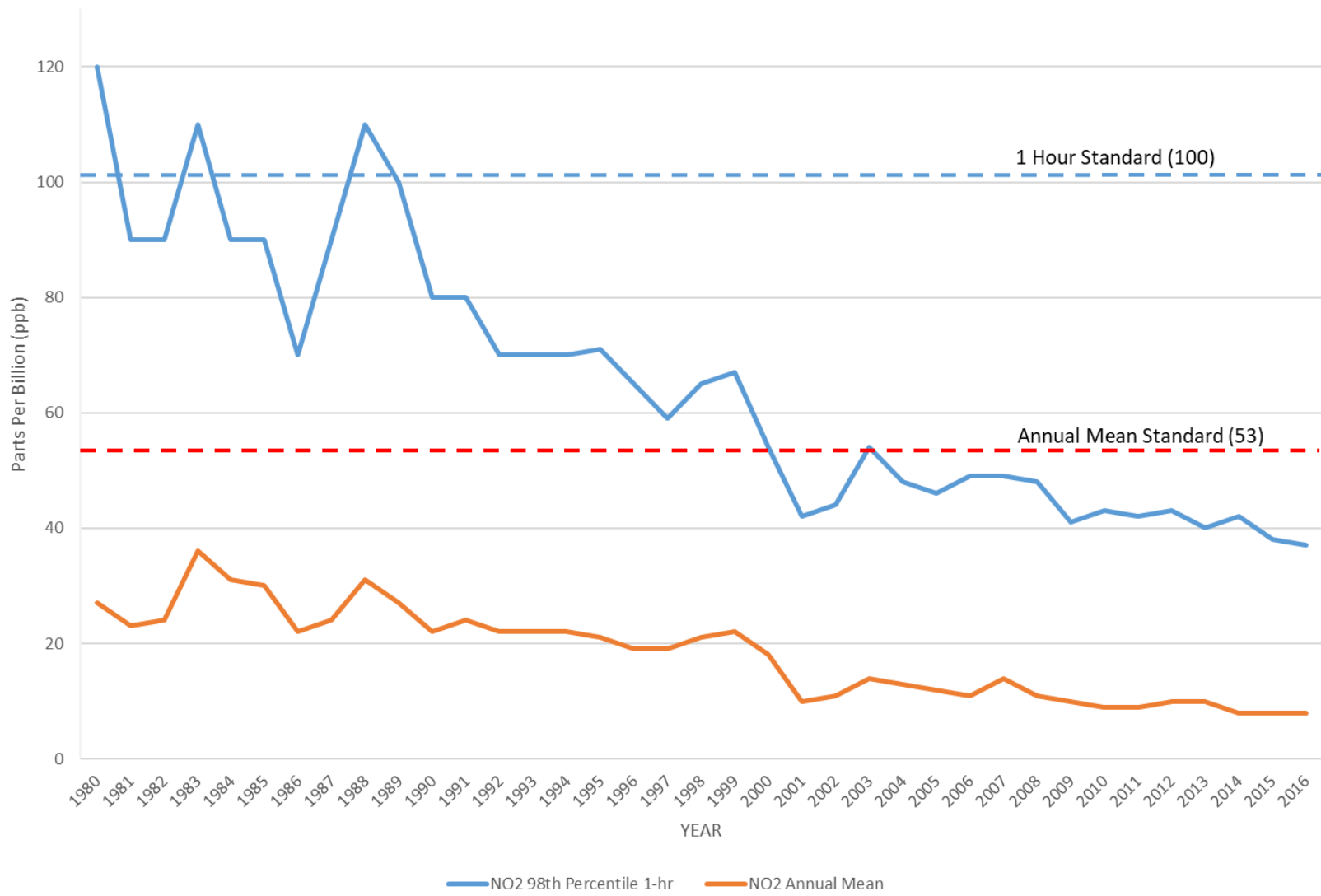


2016 Maximum 1-HR Nitrogen Dioxide by Site

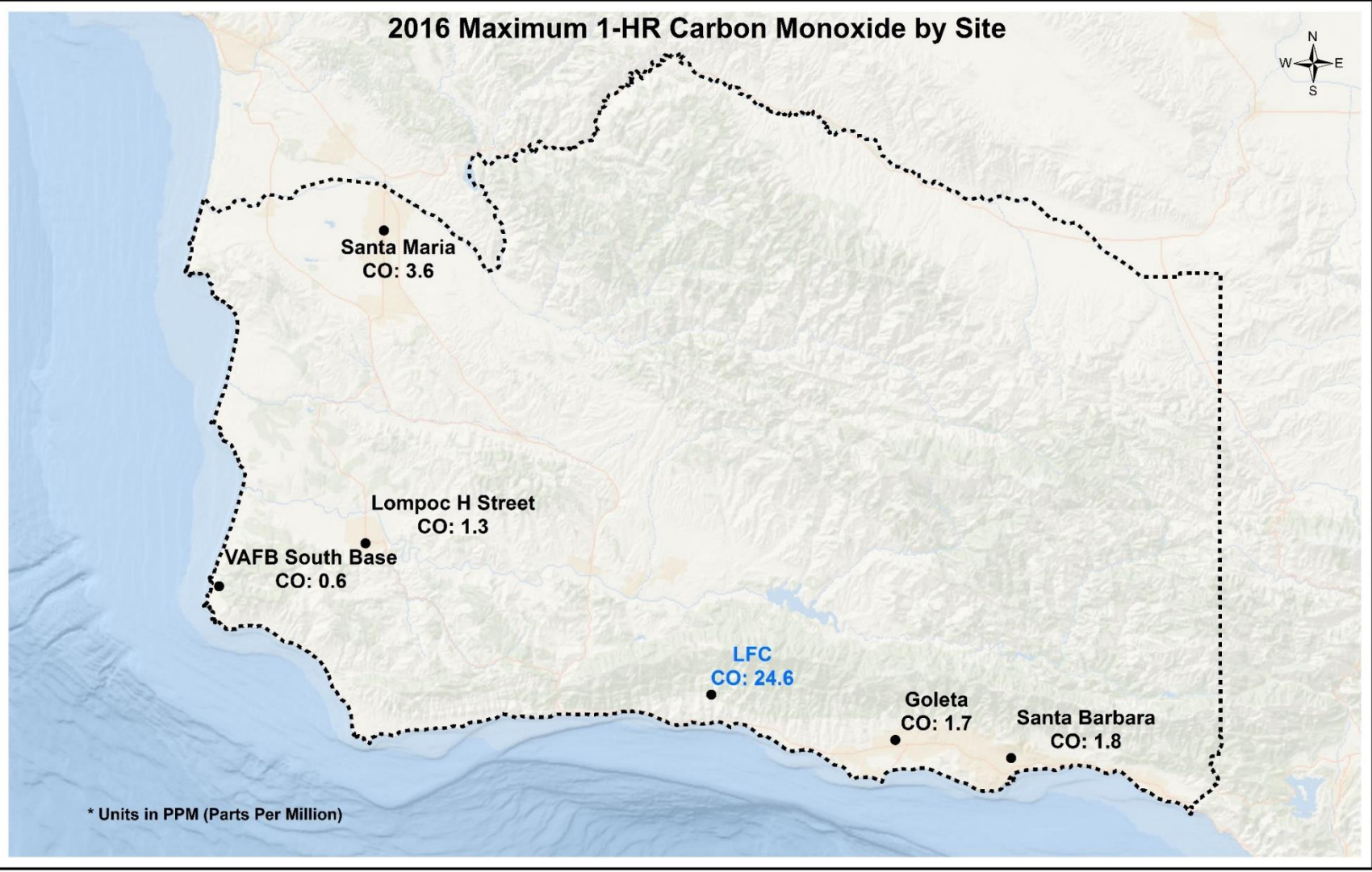


* Units in PPB (Parts Per Billion)

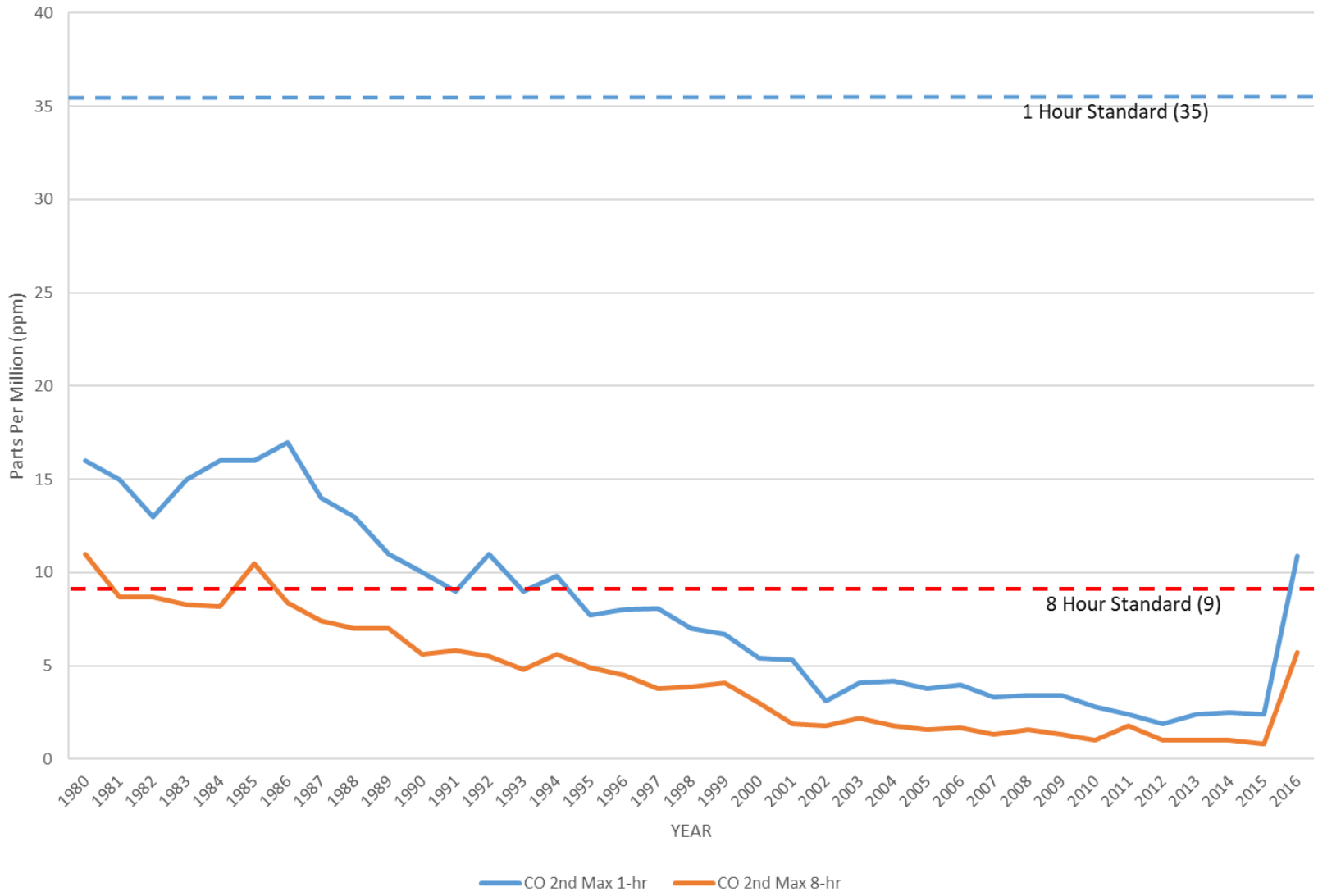
Nitrogen Dioxide (NO2) Trends in Santa Barbara County



2016 Maximum 1-HR Carbon Monoxide by Site



Carbon Monoxide (CO) Trends in Santa Barbara County

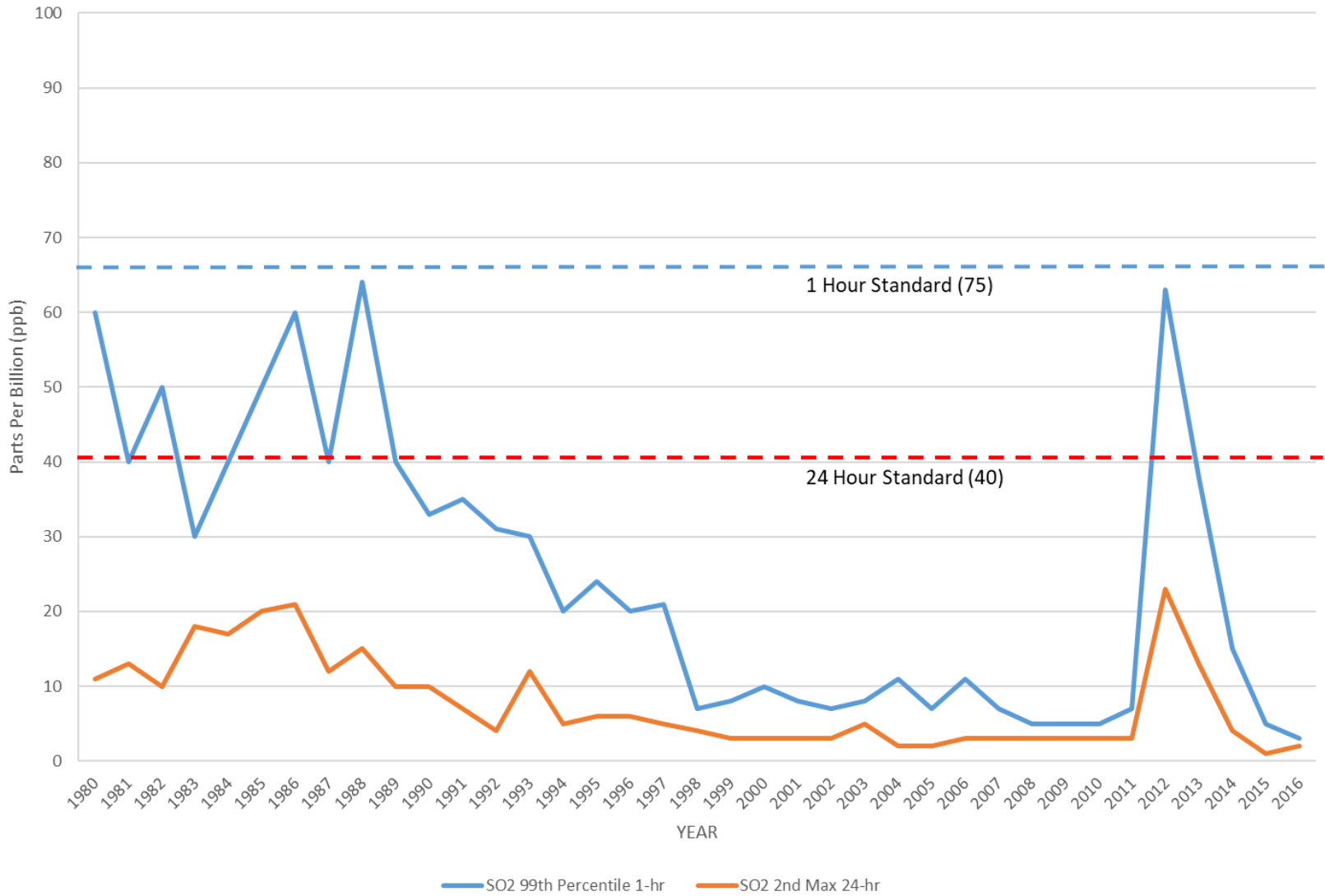


2016 Maximum 1-HR Sulfur Dioxide by Site

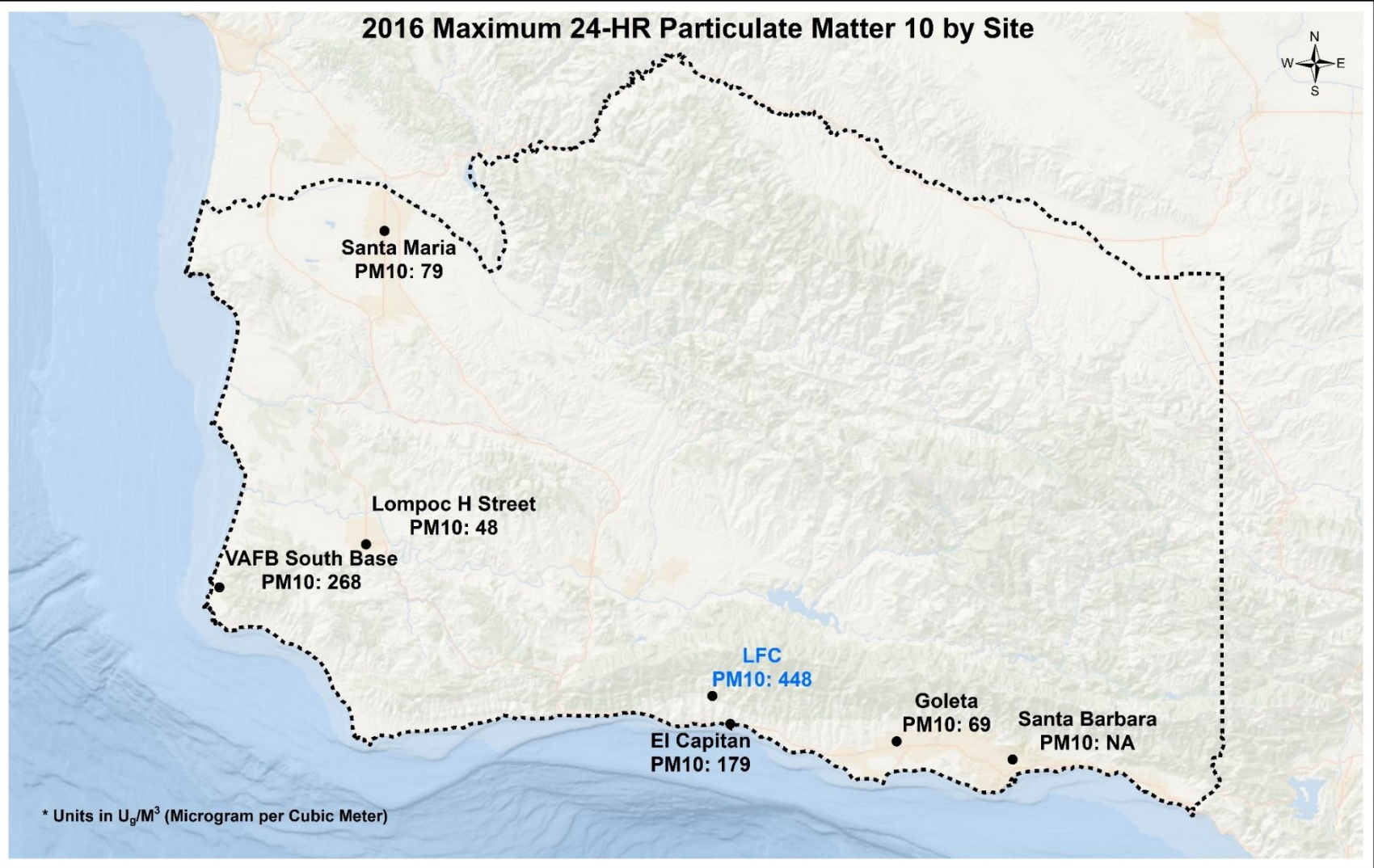


* Units in PPB (Parts Per Billion)

Sulfur Dioxide (SO2) Trends in Santa Barbara County

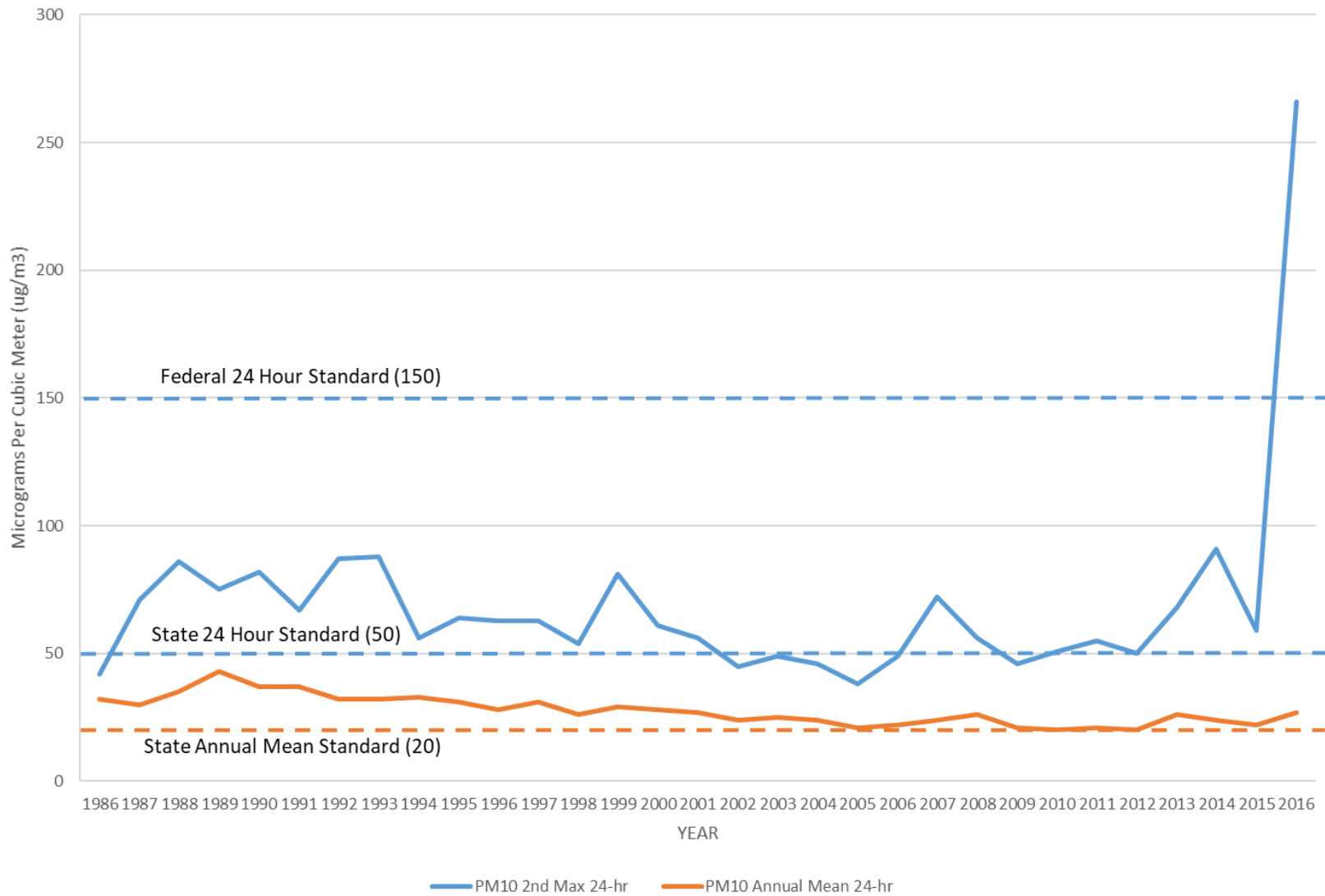


2016 Maximum 24-HR Particulate Matter 10 by Site

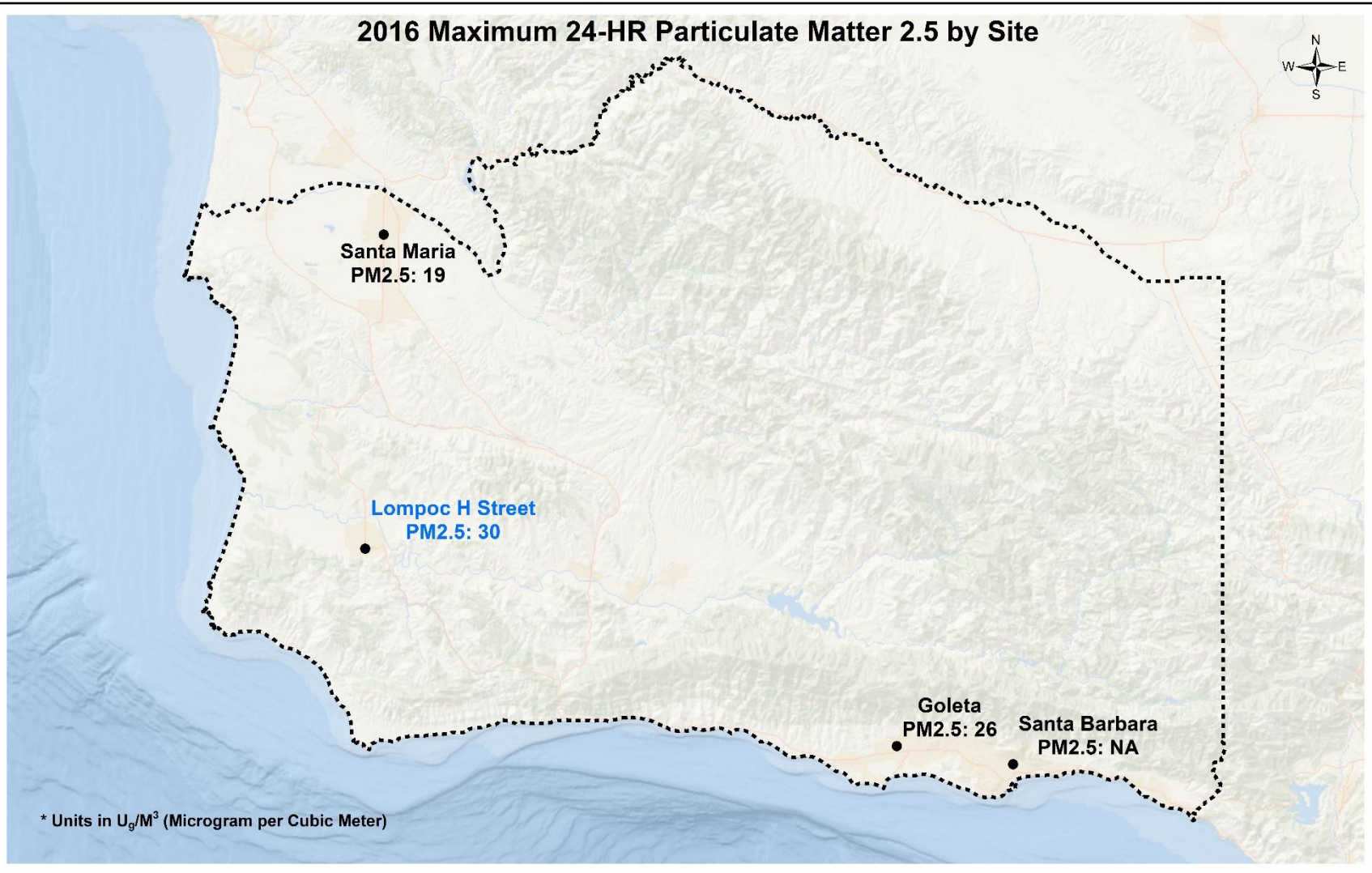


* Units in U_g/M³ (Microgram per Cubic Meter)

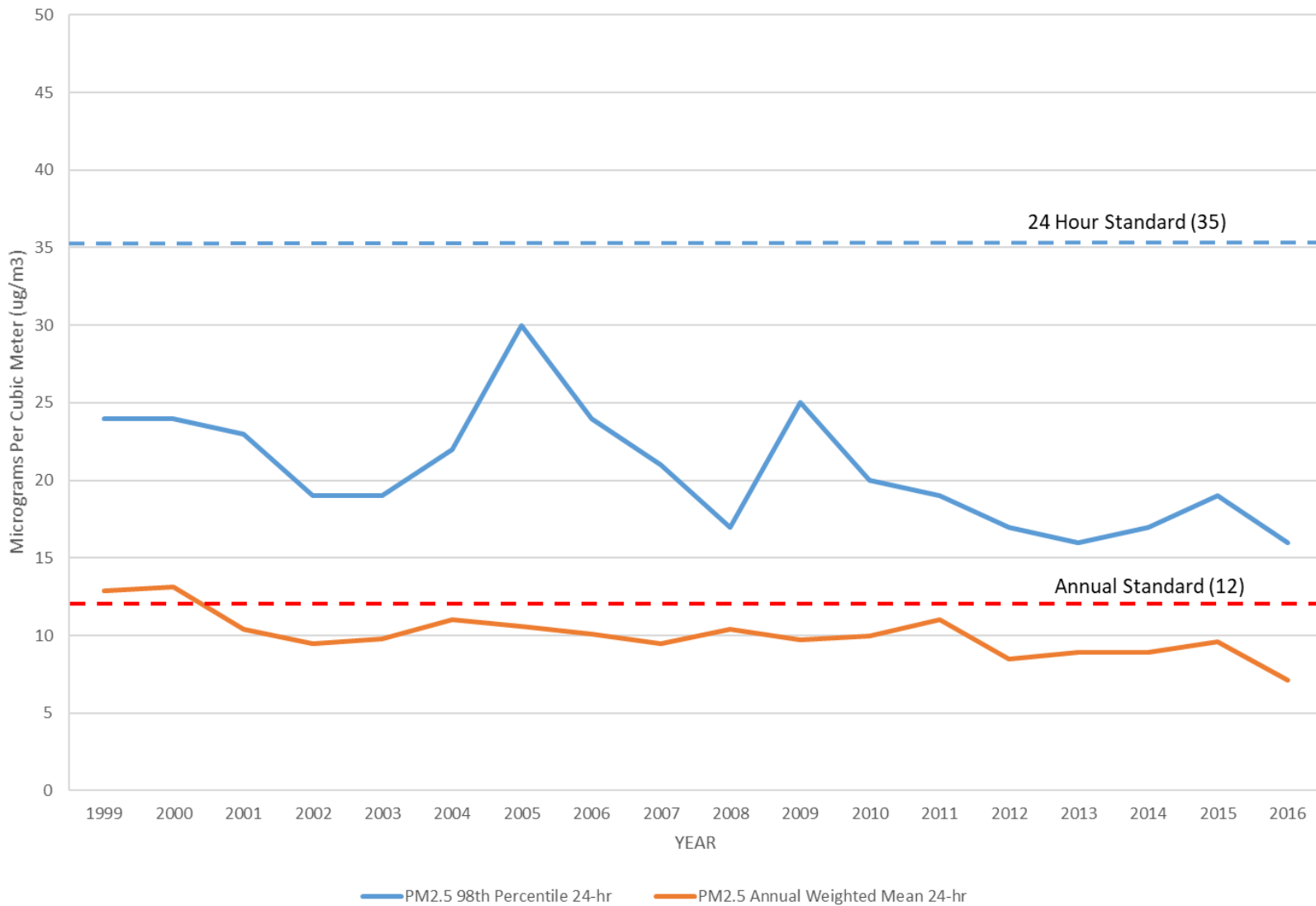
Particulate Matter < 10 Microns (PM10) Trends in Santa Barbara County



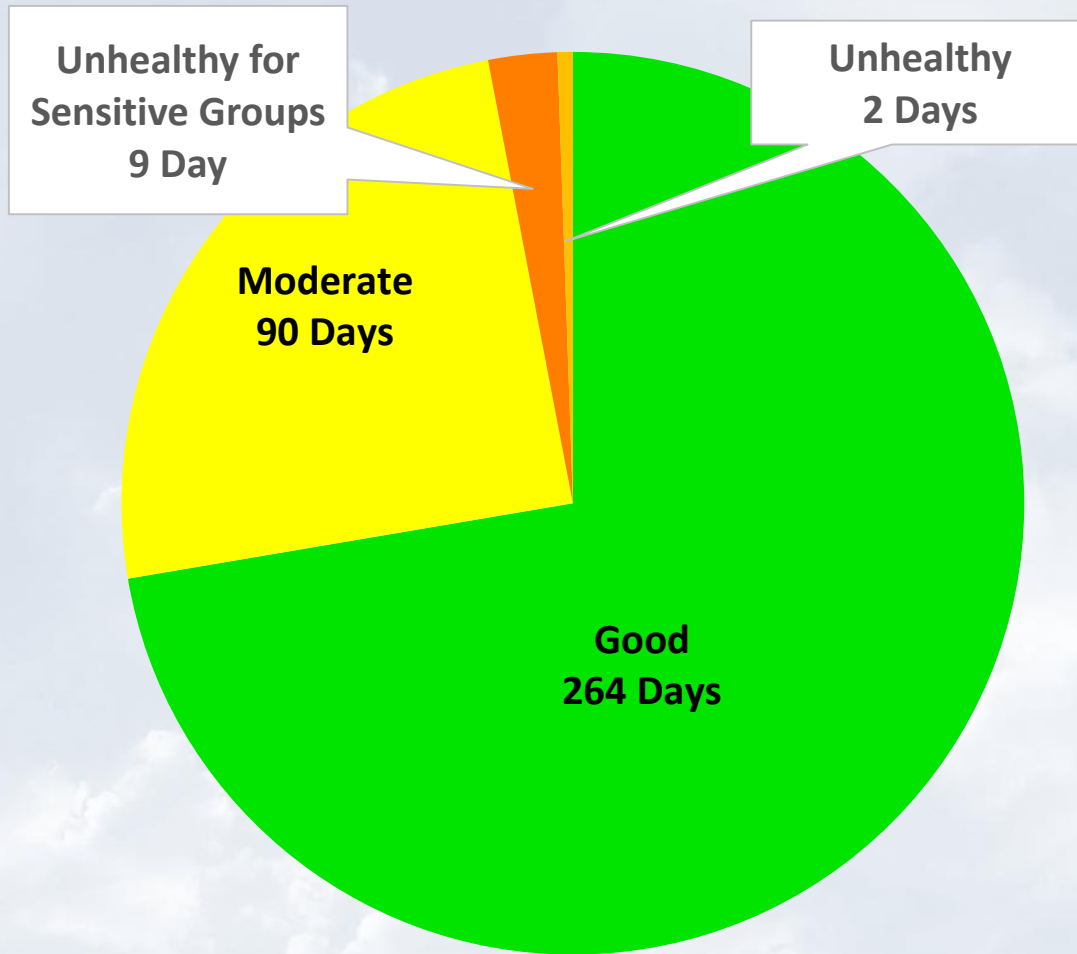
2016 Maximum 24-HR Particulate Matter 2.5 by Site



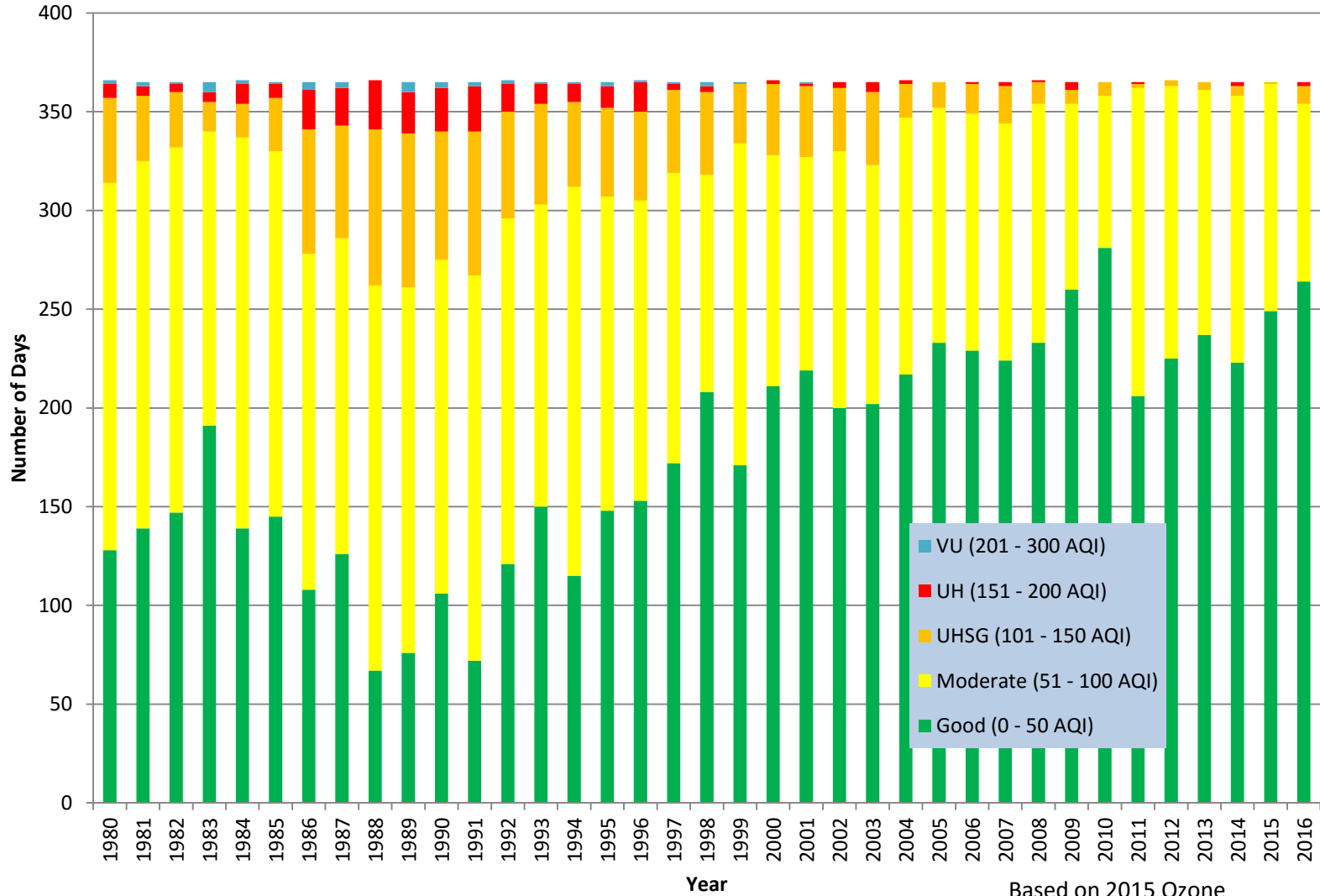
Particulate Matter < 2.5 Microns (PM2.5) Trends in Santa Barbara County



2016 Air Quality Index



Santa Barbara AQI Trend



Contact Information



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