



air pollution control district
SANTA BARBARA COUNTY

2019 ANNUAL AIR QUALITY REPORT

Board of Directors Santa Barbara County Air Pollution Control District

Our Mission: To protect the people and the environment of Santa Barbara County from the effects of air pollution.

Aeron Arlin Genet
Director / APCO

Joel Cordes/Principal Monitoring Specialist
October 15, 2020

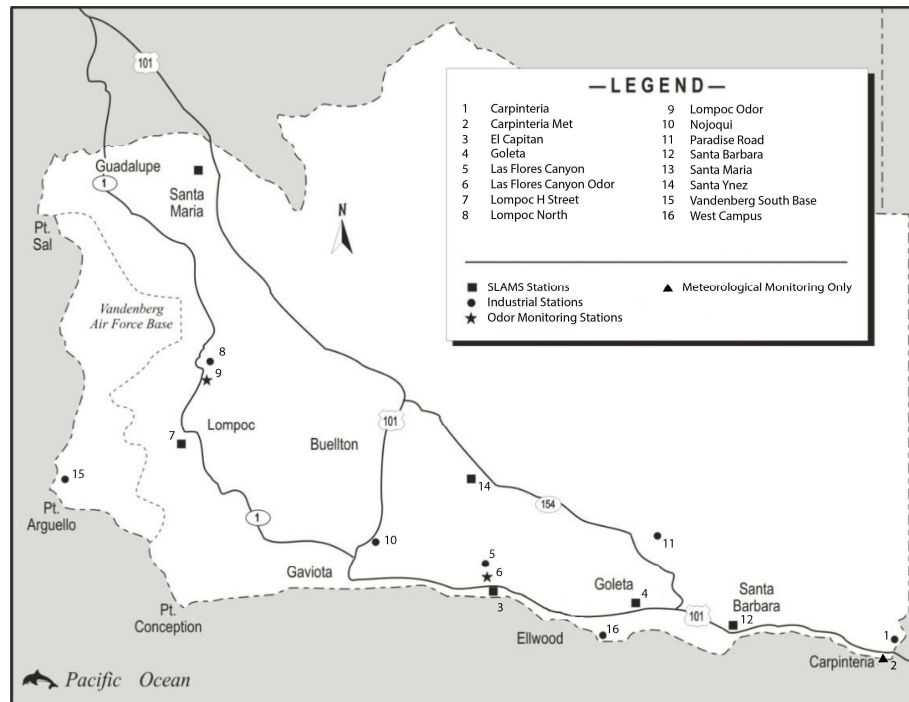


SANTA BARBARA COUNTY AIR MONITORING STATIONS

2019 BY THE NUMBERS

16 Stations

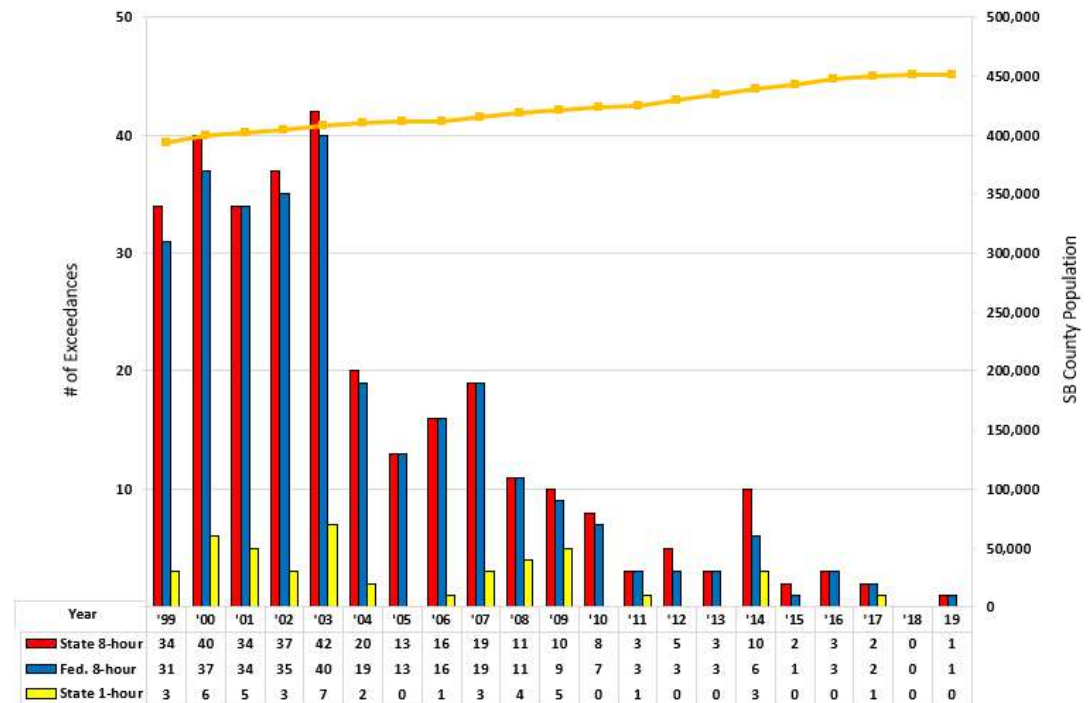
- 9 - O₃
- 7 - NO₂
- 3 - SO₂
- 3 - CO
- 2 - Hydrocarbon
- 2 - H₂S
- 5 - PM₁₀
- 4 - PM_{2.5}



- 16 - Wind and Temperature locations
- 8 - Portable monitor deployments
- 1 - Special Purpose PM monitor
- 36 - low cost sensors
- 3 - Stations shutdown

AIR QUALITY STANDARDS – OZONE

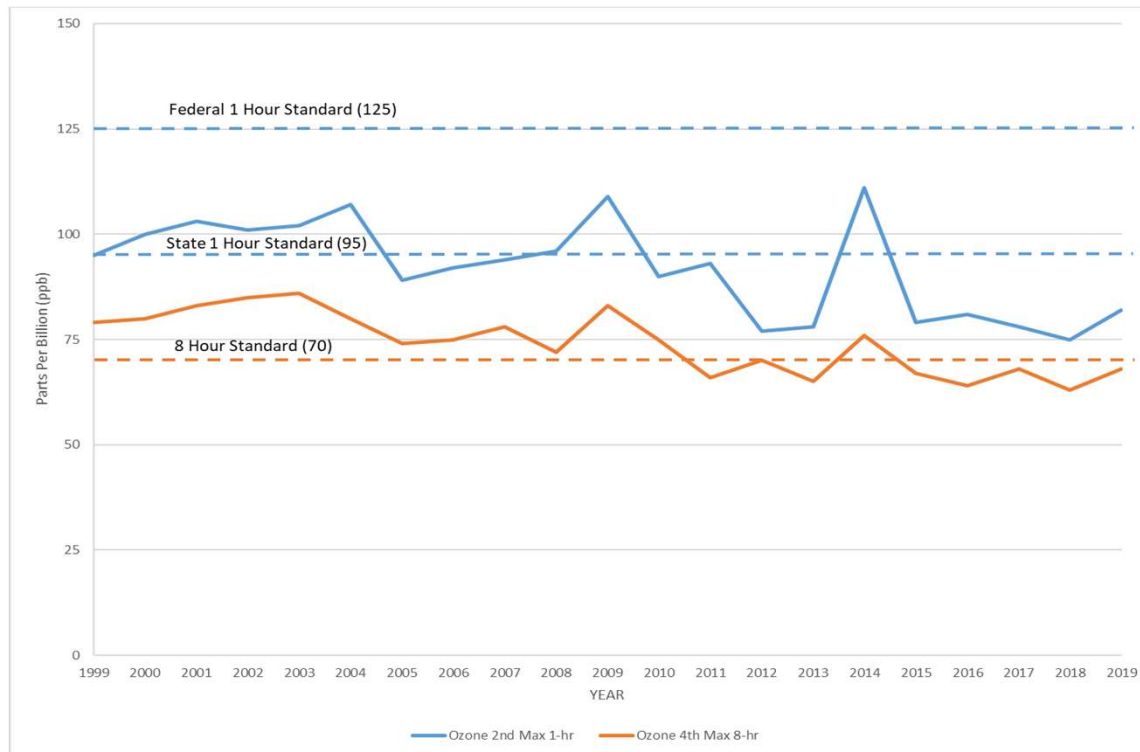
- 1 Day Exceeding the Federal and State 8-hour O₃ Standards
- 0 Days Exceeding the State 1-hour standard
- Locations
 - Las Flores Canyon
 - Carpinteria
 - Paradise Road



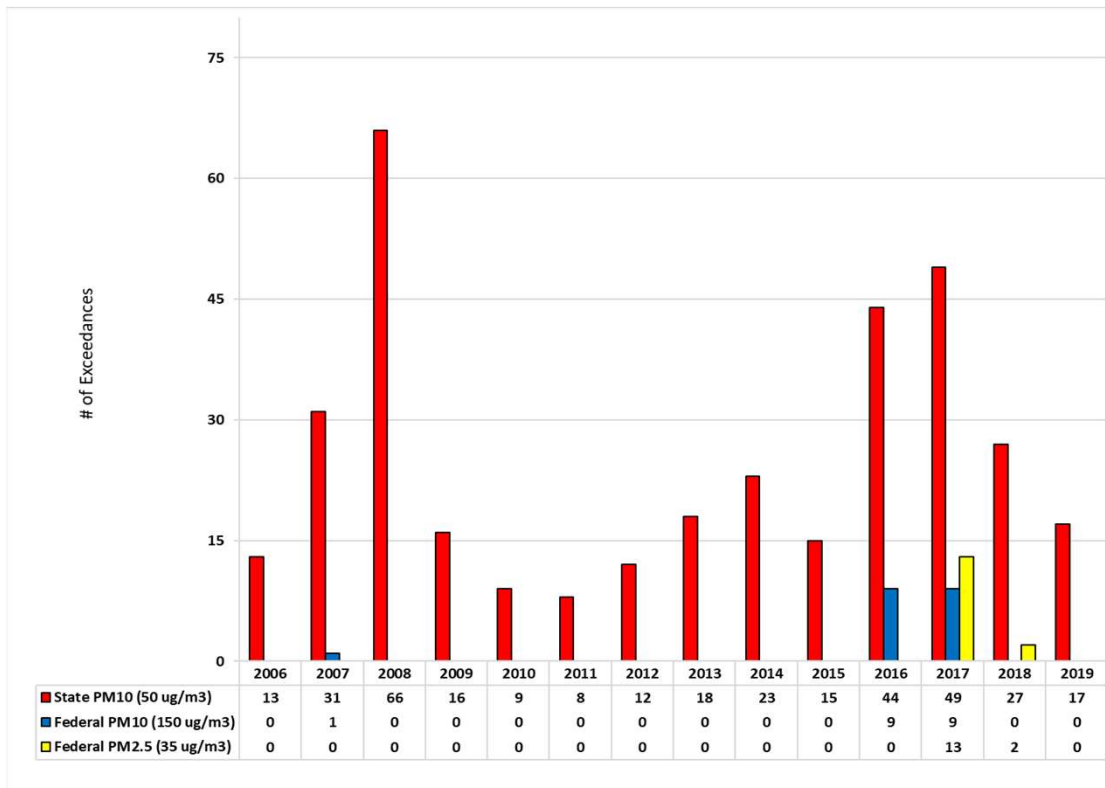
■ 1-hour standard 95 ppb

■ 8-hour standard 70 ppb

OZONE TRENDS

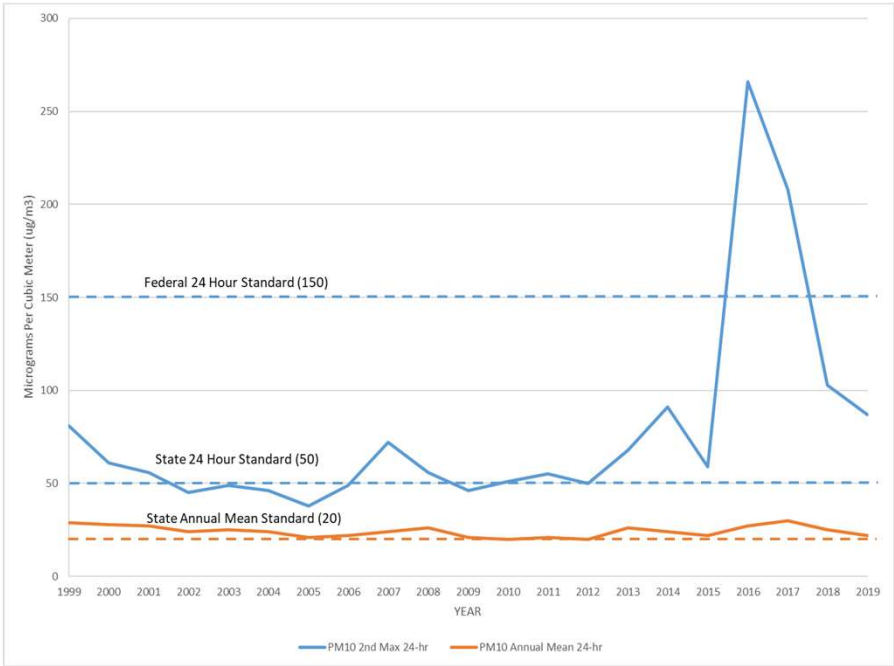


AIR QUALITY STANDARDS - PM

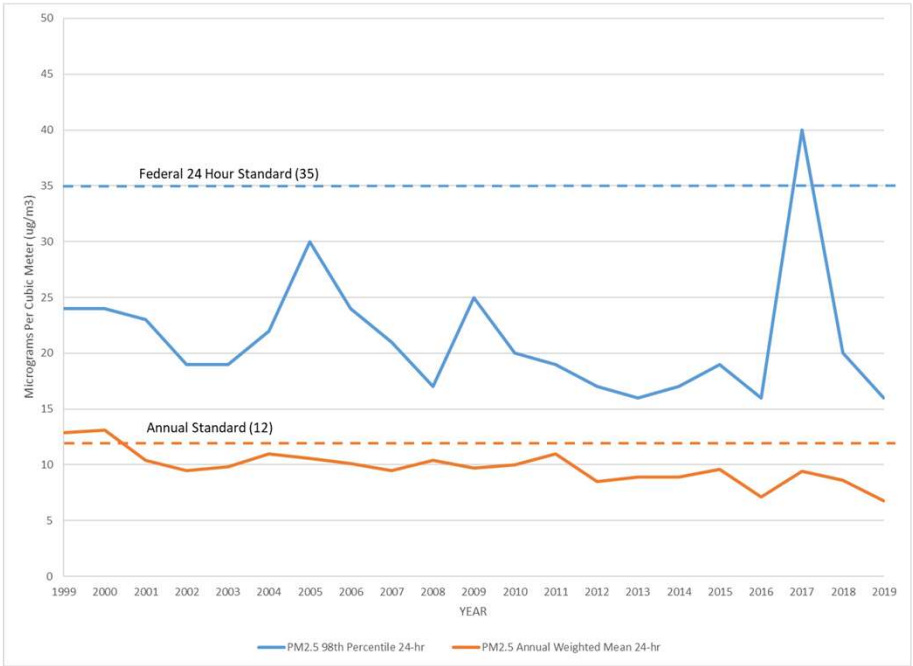


- 17 Days Exceeding the State PM₁₀ Standard
- 0 Days Exceeding the Federal PM₁₀ Standard
- 0 Days Exceeding the Federal PM_{2.5} Standard
- Locations
 - Santa Maria – 16 days
 - Lompoc H – 3 Days
 - Las Flores Canyon – 4 Days
 - Santa Barbara – 4 Days
 - Goleta – 2 Days

PARTICULATE MATTER TRENDS

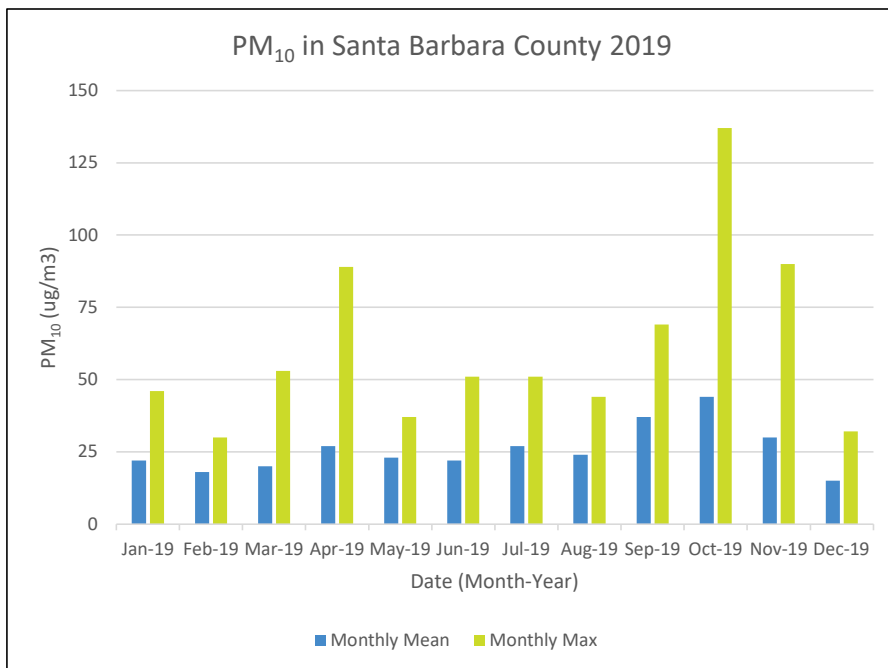


PM₁₀

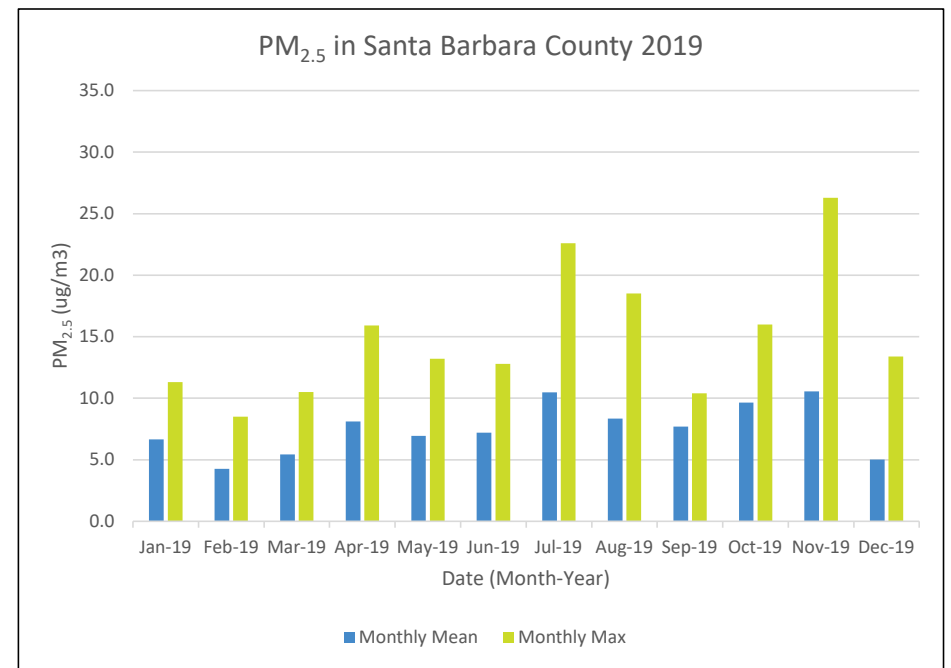


PM_{2.5}

SEASONAL PARTICULATE MATTER

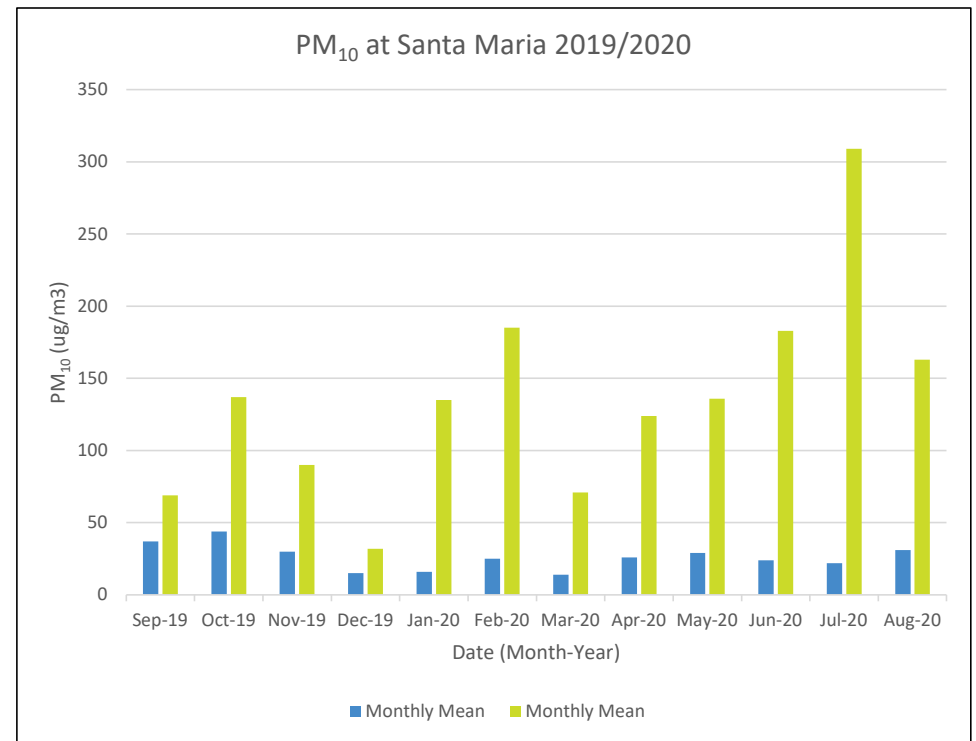
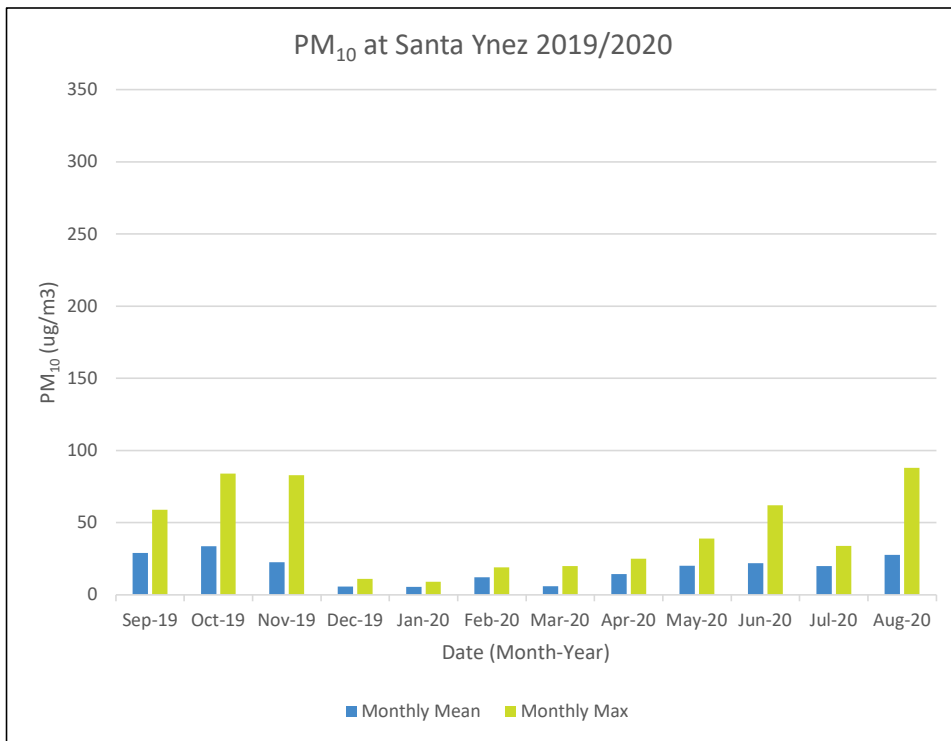


PM₁₀

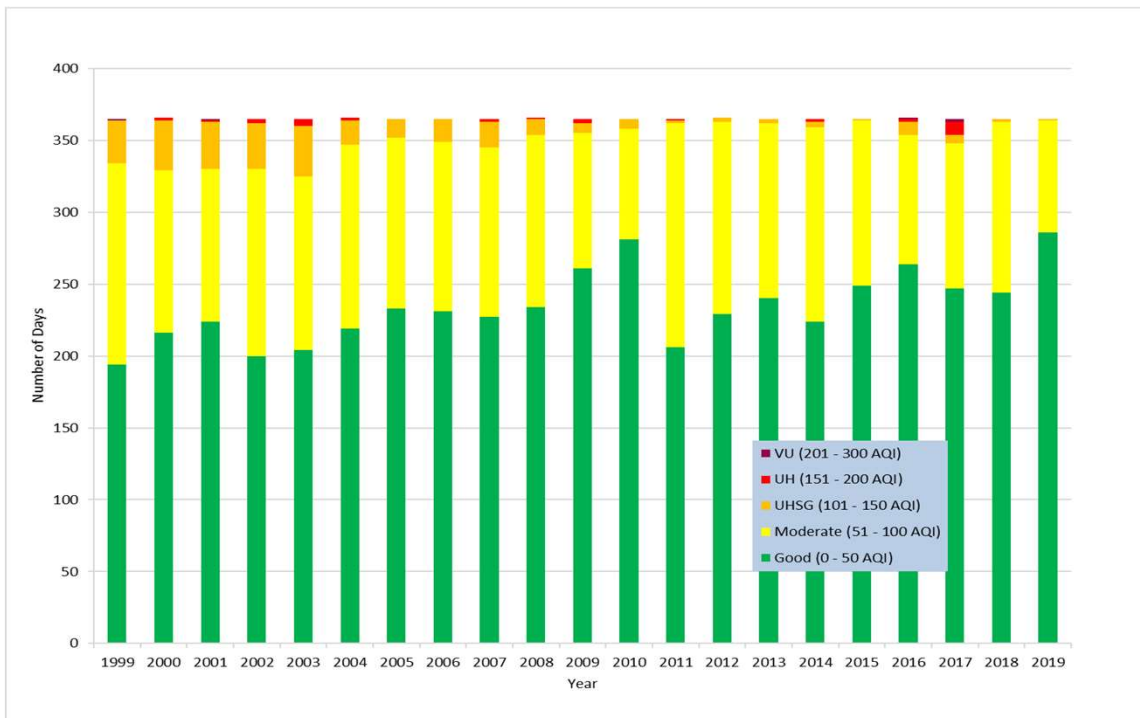


PM_{2.5}

PM₁₀ MONITOR IN SANTA YNEZ



AIR QUALITY INDEX



- 286 Good Days
- 78 Moderate Days
- 1 Unhealthy for Sensitive Groups Day
- 0 Days Unhealthy and above

SUMMARY

- A relatively clean year for Ozone
 - One exceedance day at 3 locations, hot stagnant conditions
- PM₁₀ lower than the prior 3 years but still saw 17 exceedances
 - High wind events
 - Some smoke from wildfires
- PM_{2.5} also lower than prior 3 years with no exceedances
- No exceedance of NO₂, SO₂, and CO standards



CONTACT INFORMATION

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