



air pollution control district
SANTA BARBARA COUNTY

2020 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

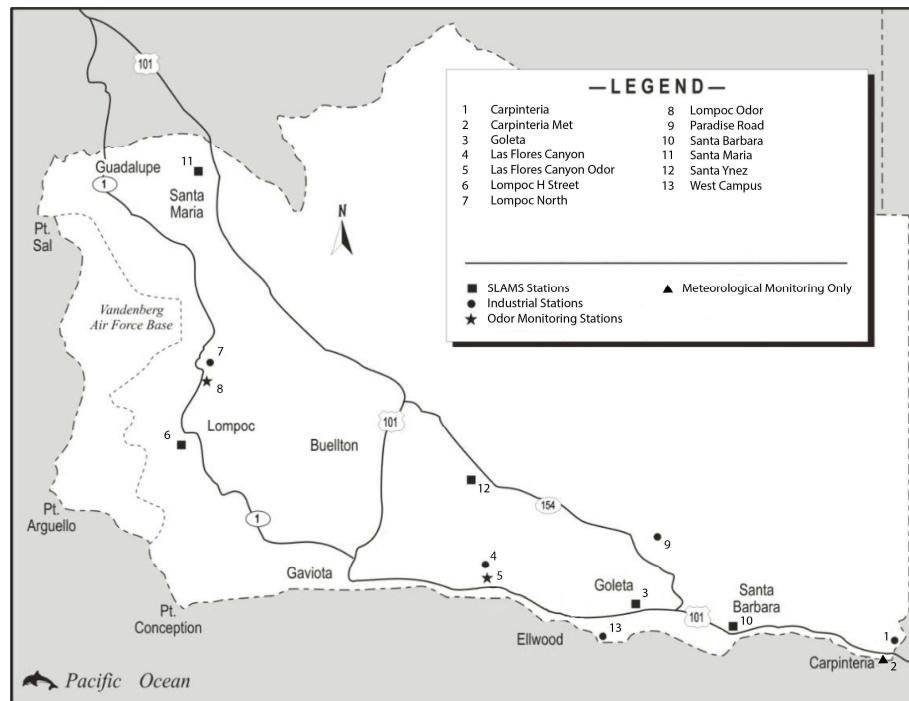
Molly Pearson / Planning Division Manager
August 19, 2021



SANTA BARBARA COUNTY AIR MONITORING STATIONS

13 Stations

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



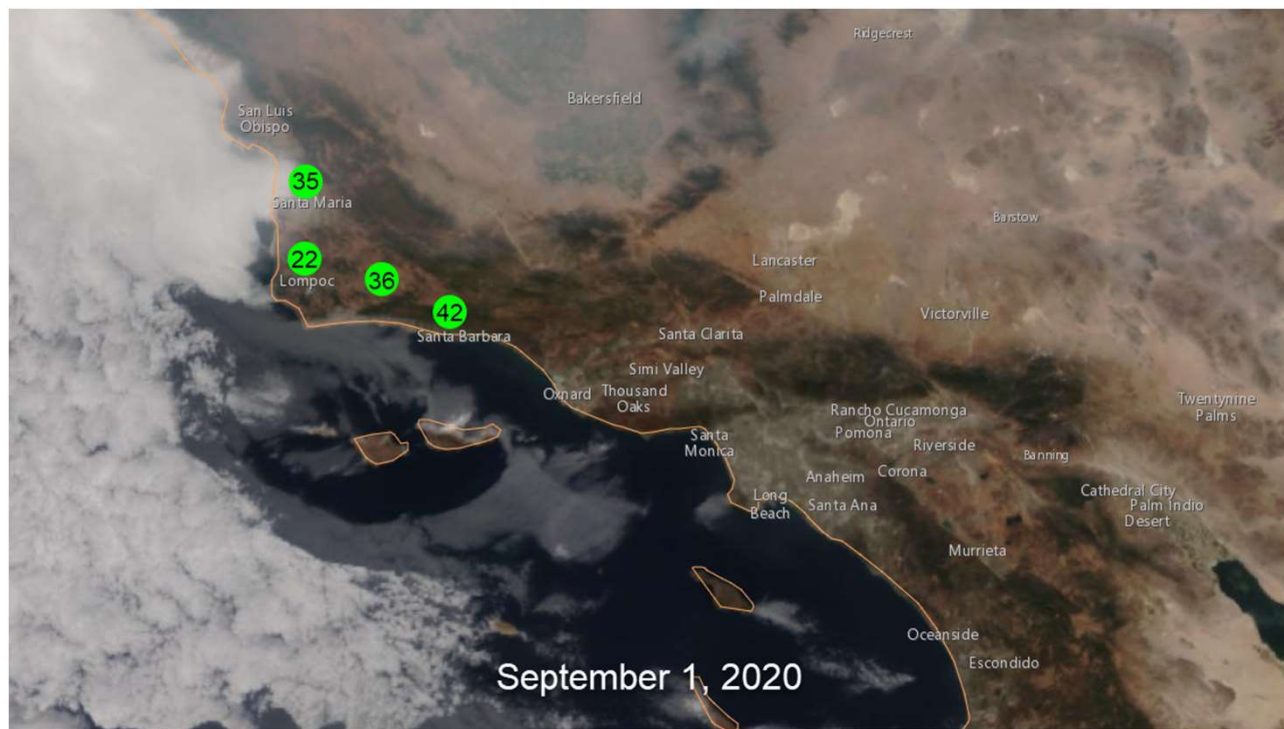
- 12 - Wind and Temperature locations
- 8 - Portable monitor deployments
- 1 - Special Purpose PM monitor
- 1 - Station shutdown

ANNUAL AIR MONITORING NETWORK PLAN

- Demonstrates that our network meets federal requirements
- Posted for 30 Day Public Review on May 30; submitted to EPA on July 1.
- Received several public comments related to air quality concerns in western Goleta; provided responses on July 21.

Comment	Response
H2S releases and monitoring	<ul style="list-style-type: none">• Source specific monitoring requirements• Airpointer portable monitor
Particulate matter and other toxic releases	<ul style="list-style-type: none">• Robust monitoring network compared to other areas• Source specific monitoring requirements• Airpointer portable monitor
Odors from cannabis	<ul style="list-style-type: none">• Limited authority over agricultural odors• County of Santa Barbara addresses through ordinance and land use approvals

WILDFIRE IMPACTS – SEPTEMBER IN REVIEW



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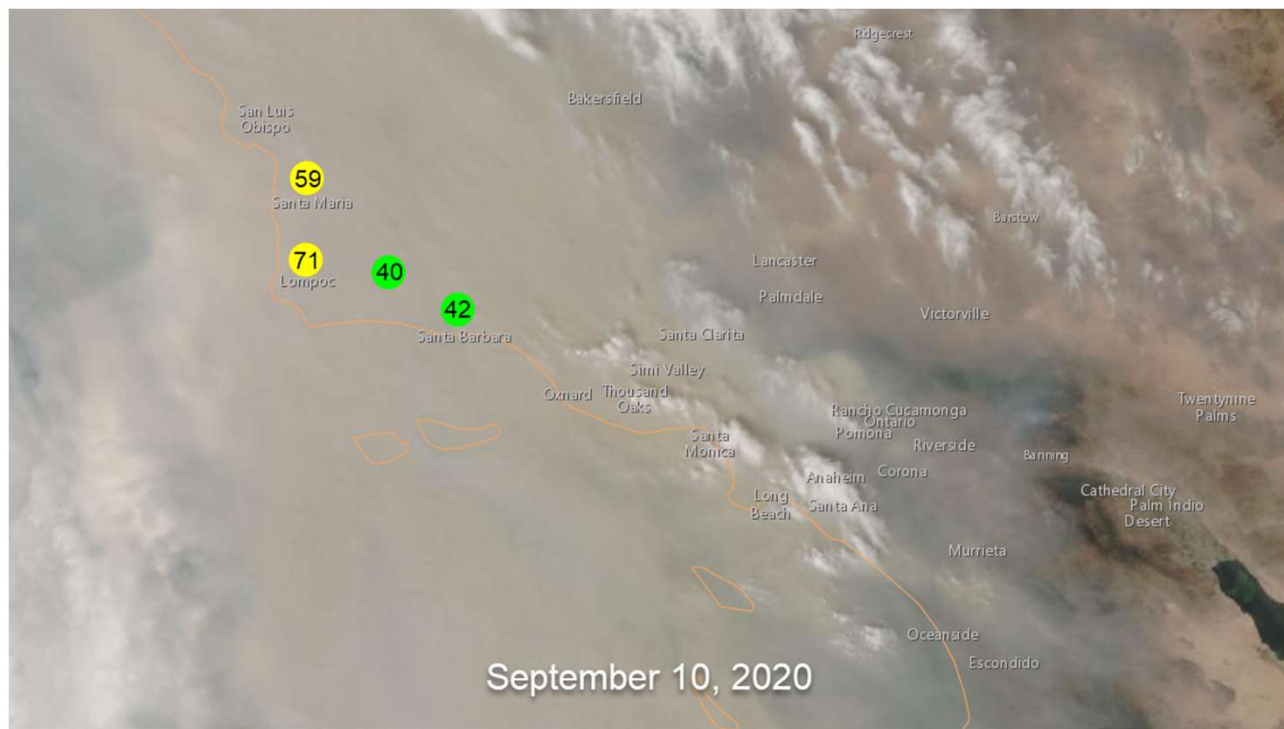
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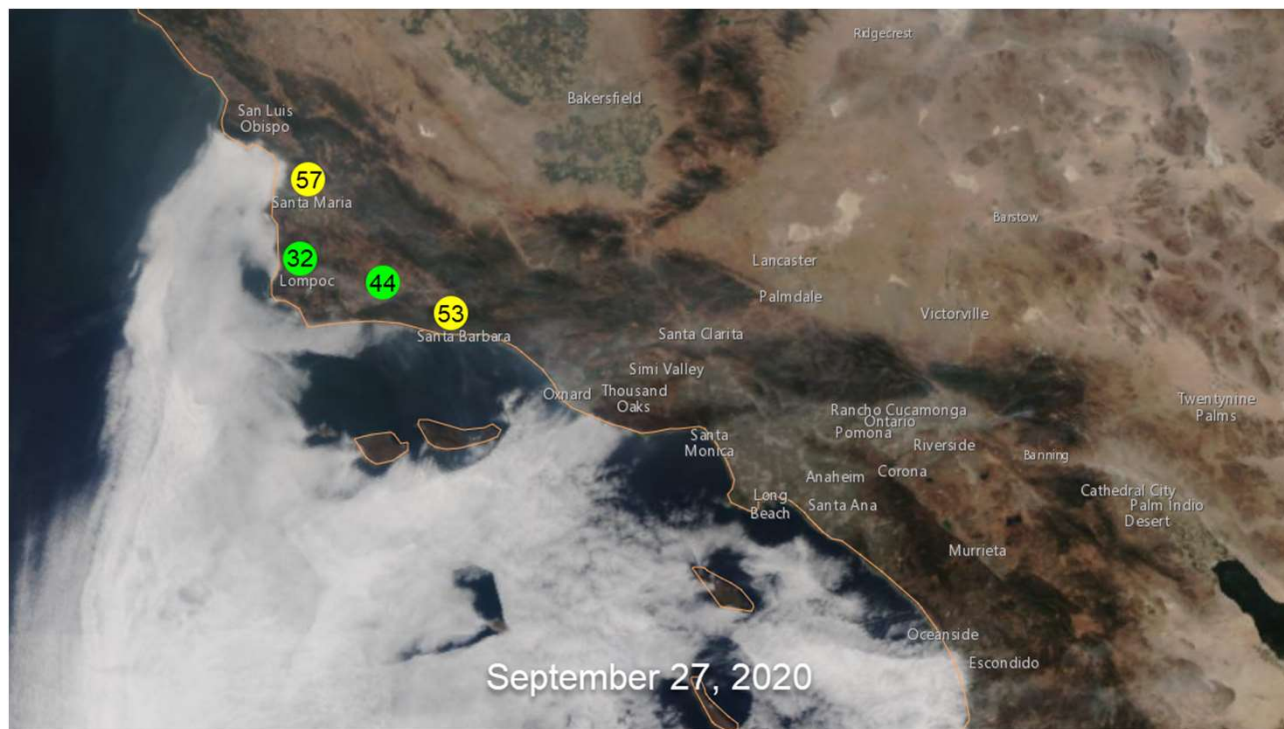
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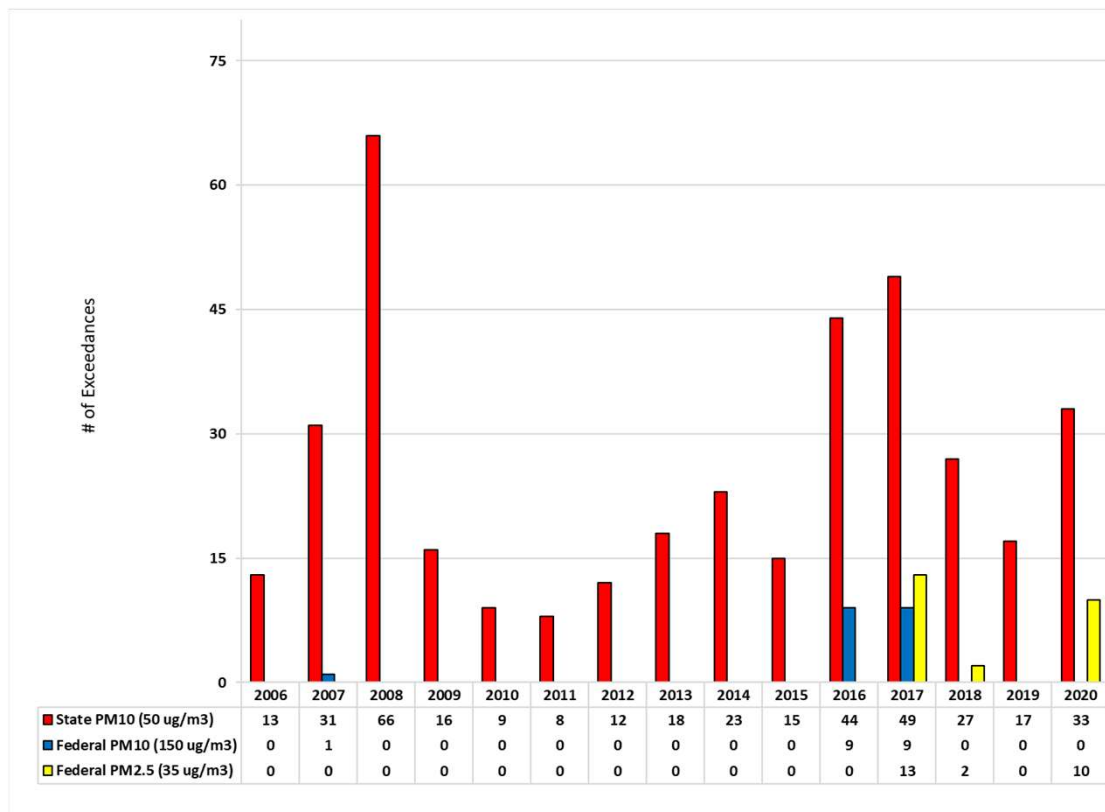
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AIR QUALITY STANDARDS - PM



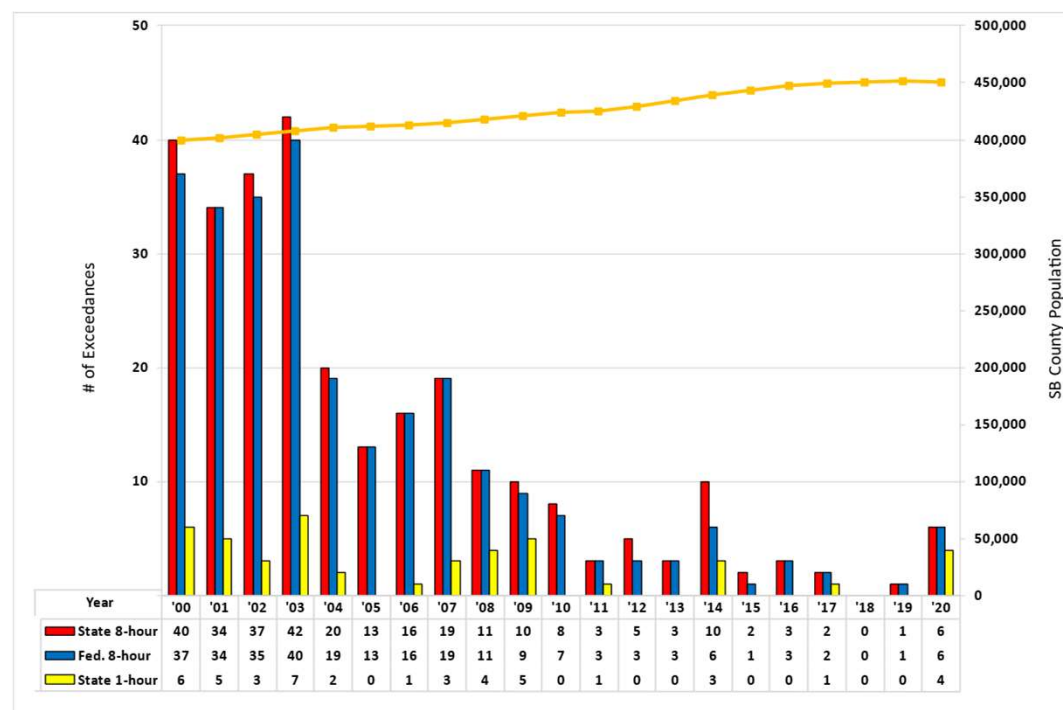
2020 Particulate Matter Summary:

- 33 Days Exceeding the State PM₁₀ Standard
- 0 Days Exceeding the Federal PM₁₀ Standard
- 10 Days Exceeding the Federal PM_{2.5} Standard
- Locations
 - Santa Maria – 32 days
 - Lompoc H – 17 Days
 - Santa Barbara – 11 Days
 - Goleta – 11 Days
 - Las Flores Canyon – 6 Days

AIR QUALITY STANDARDS – OZONE

2020 Ozone Summary:

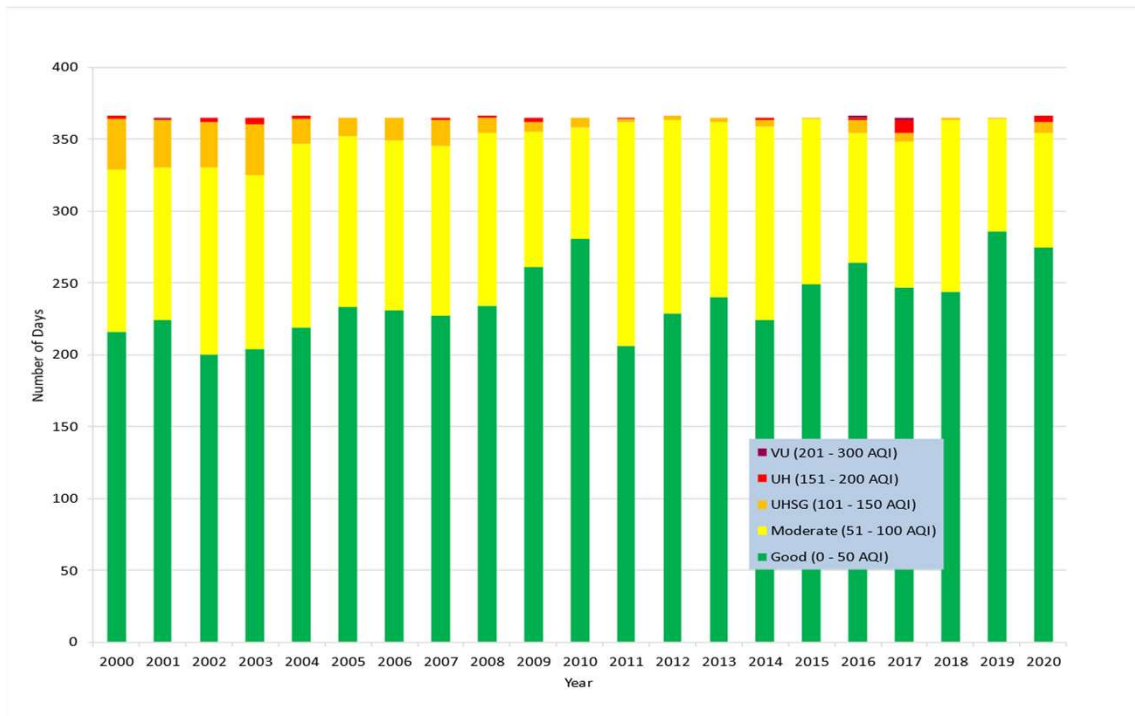
- 6 Day Exceeding the Federal and State 8-hour O₃ Standards
- 4 Days Exceeding the State 1-hour standard
- Locations
 - Santa Barbara
 - Las Flores Canyon
 - Carpinteria
 - Paradise Road



■ 1-hour standard 95 ppb

■ 8-hour standard 70 ppb

AIR QUALITY INDEX



2020 AQI Days

Number of days	AQI category	Description
275	Good	Little to no risk
75	Moderate	May be a risk for some people
8	Unhealthy for Sensitive Groups	Sensitive groups may experience health effects
4	Unhealthy	General public may experience health effects
0	Very Unhealthy	Risk of health effects increased for everyone
0	Hazardous	Everyone is more likely to be affected

SUMMARY

- A relatively clean year in terms of AQI
- Wildfires create challenges for ozone and PM
 - High wind events increase PM impacts from wildfires
 - Once smoke enters our air basin, hot stagnant conditions convert precursors to ozone
- No exceedance of NO₂, SO₂, and CO standards



CONTACT INFORMATION

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