



air pollution control district
SANTA BARBARA COUNTY

2021 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

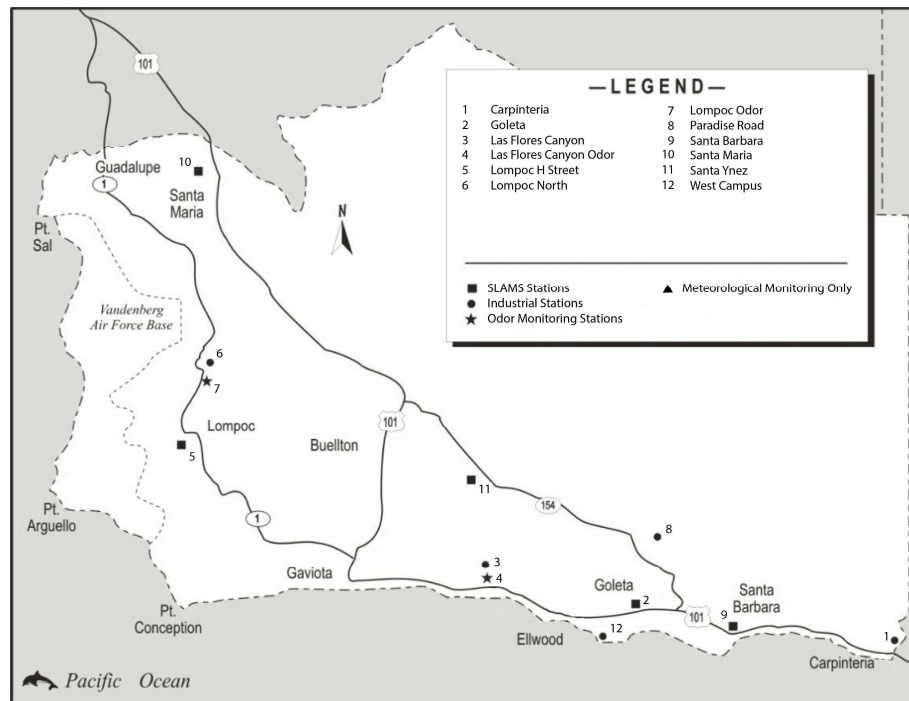
Jake Canney / Air Quality Specialist
October 20, 2022



SANTA BARBARA COUNTY AIR MONITORING STATIONS

12 Stations

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



- 11 - Wind and Temperature locations
- 1 - Special Purpose PM monitor
- 1 - Station relocation

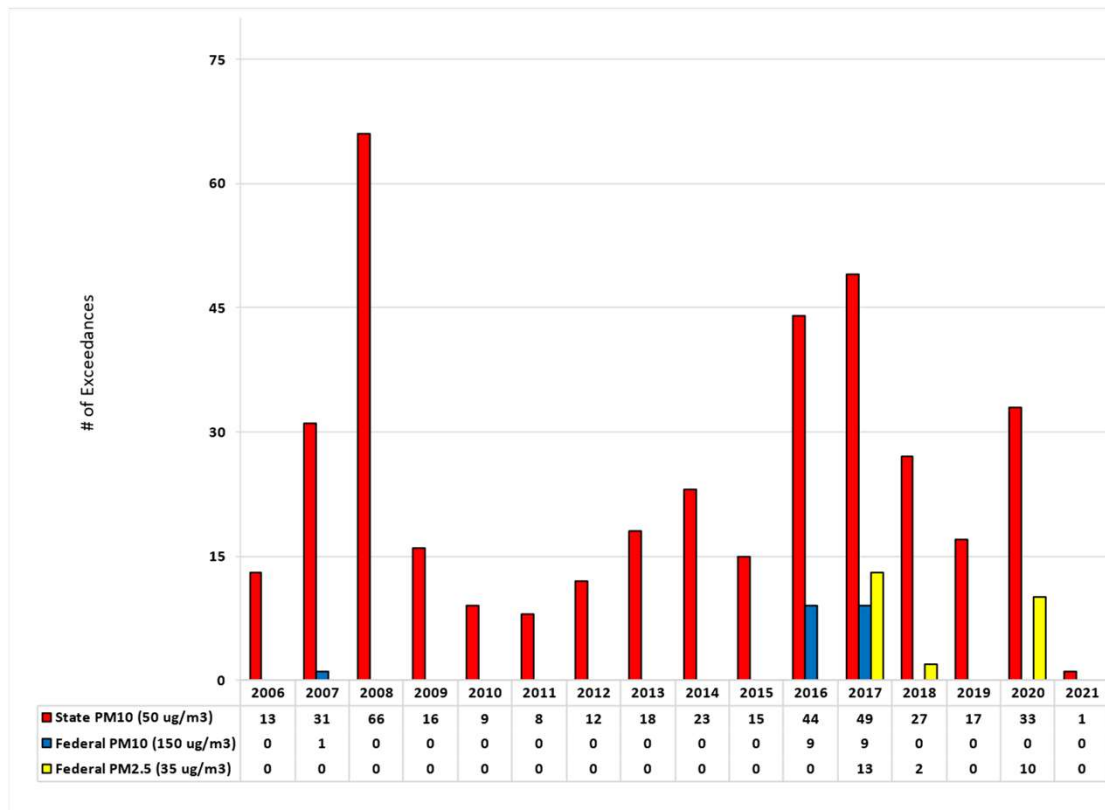
SANTA BARBARA COUNTY AIR MONITORING STATIONS

Station	O ₃	NO ₂	SO ₂	CO	THC	H ₂ S	TRS	PM ₁₀	PM _{2.5}	WS	WD	ATM
Carpinteria	X	X								X	X	X
Goleta	X							X	X	X	X	X
Las Flores Canyon	X	X	X	X	X			X		X	X	X
Las Flores Canyon Odor						X				X	X	X
Lompoc H Street	X	X	X	X				X	X	X	X	X
Lompoc North	X	X	X		X					X	X	X
Lompoc Odor						X	X			X	X	X
Paradise Road	X	X								X	X	X
Santa Barbara	X							X	X	X	X	X
Santa Maria*	X	X		X				X	X	X	X	X
Santa Ynez	X											
West Campus			X		X	X	X			X	X	
SLAMS Monitors						Non-NAAQS Monitors						
*	Q1 Only					THC			Total Hydrocarbons			
WS	Wind Speed					TRS			Total Reduced Sulfur			
WD	Wind Direction					ATM			Ambient Temperature			

SANTA MARIA AIR MONITORING STATION



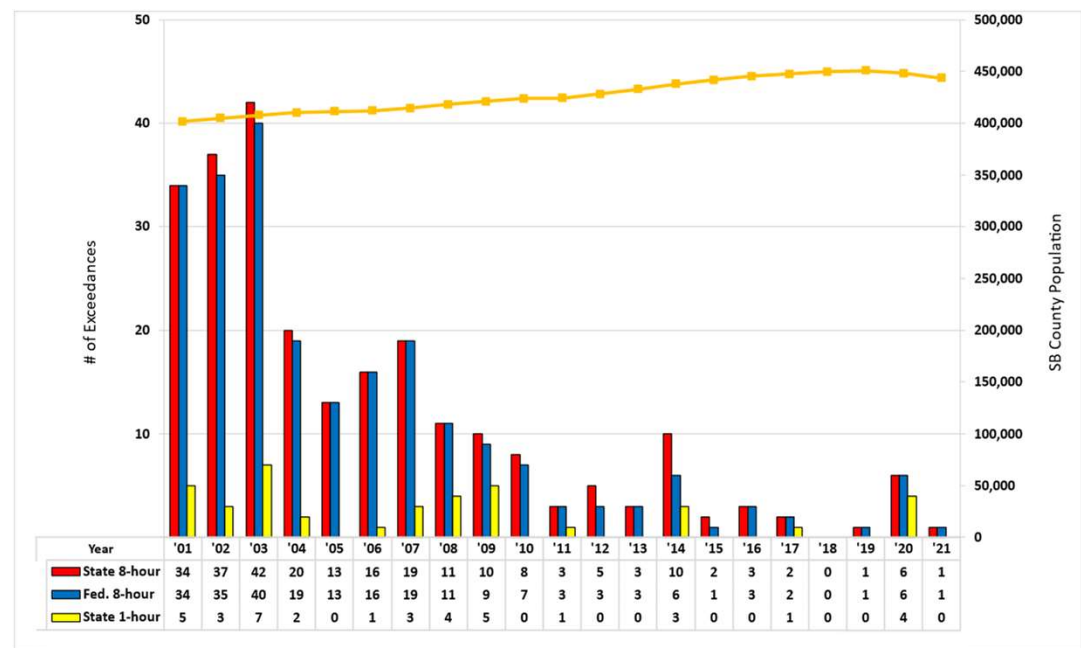
AIR QUALITY STANDARDS - PM



- 1 Day Exceeding the State PM₁₀ Standard (10/11)
 - Lompoc H (76 ug/m³)
 - Santa Barbara (61 ug/m³)
 - Las Flores Cyn (51 ug/m³)
- 0 Days Exceeding the Federal PM₁₀ Standard
- 0 Days Exceeding the Federal PM_{2.5} Standard

AIR QUALITY STANDARDS – OZONE

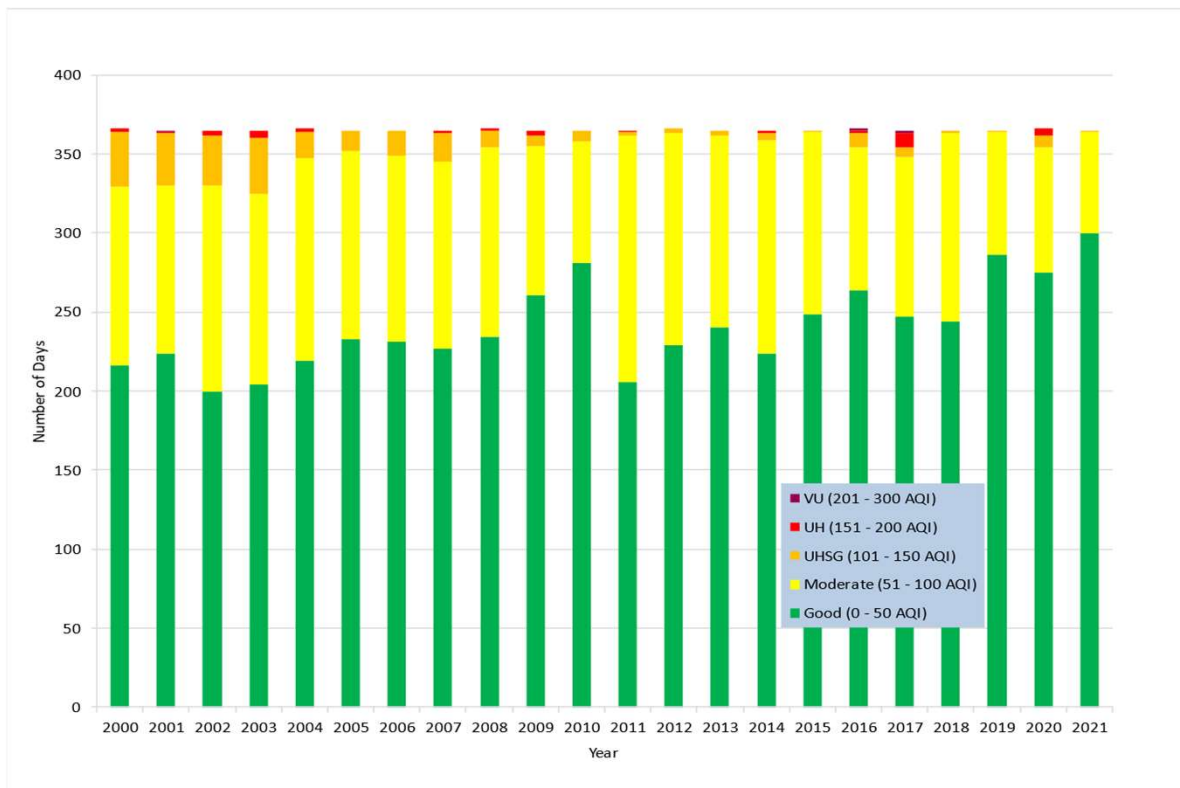
- 1 Day Exceeding the Federal and State 8-hour O₃ Standards
 - Paradise Road (6/17/21)
- 0 Days Exceeding the State 1-hour Standard



■ 1-hour standard 95 ppb

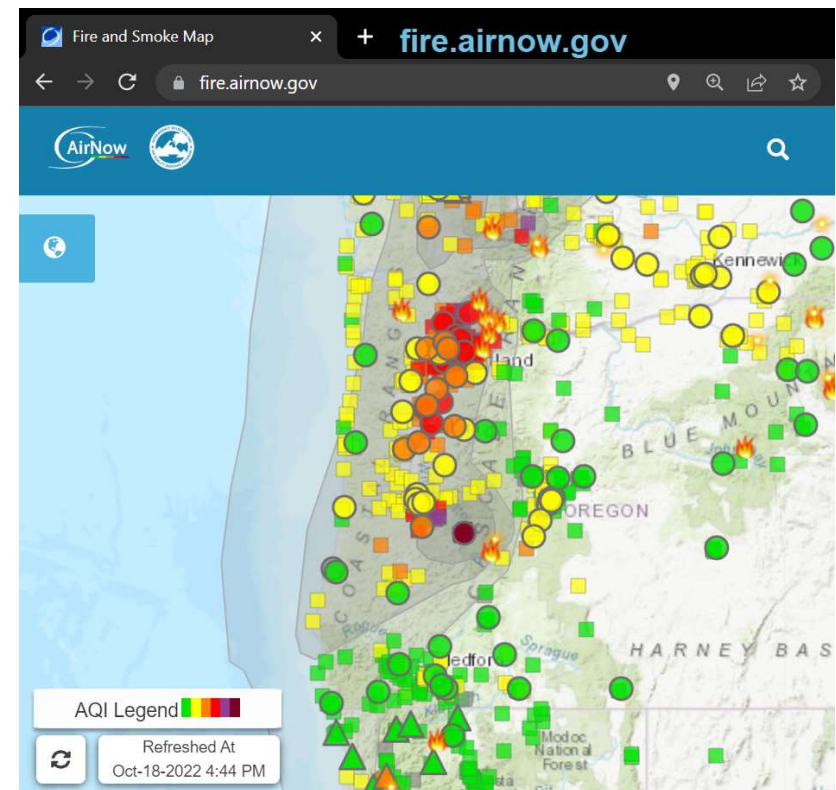
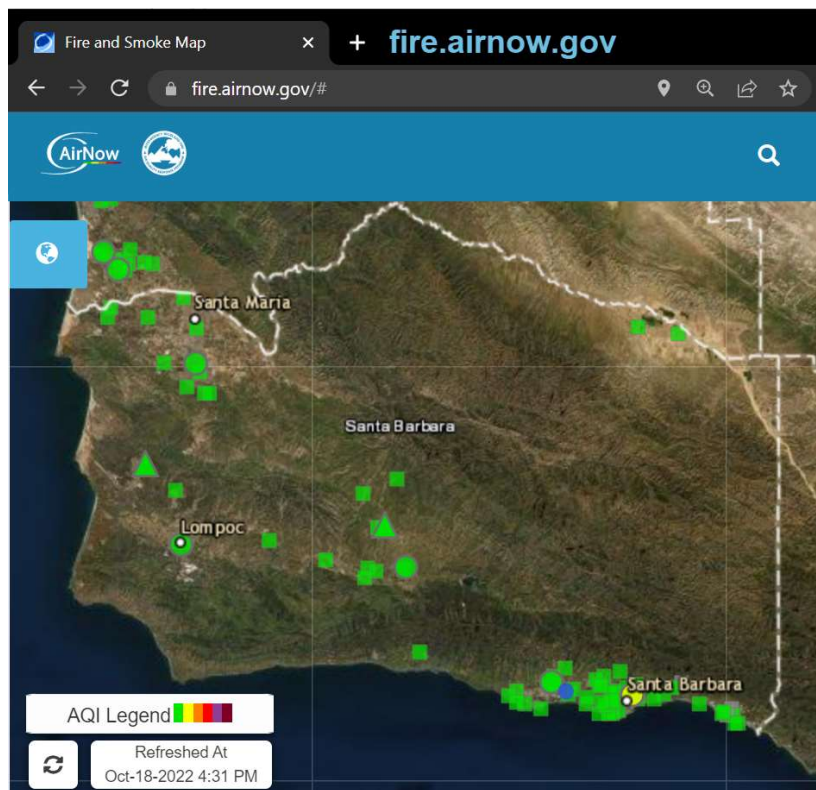
■ 8-hour standard 70 ppb

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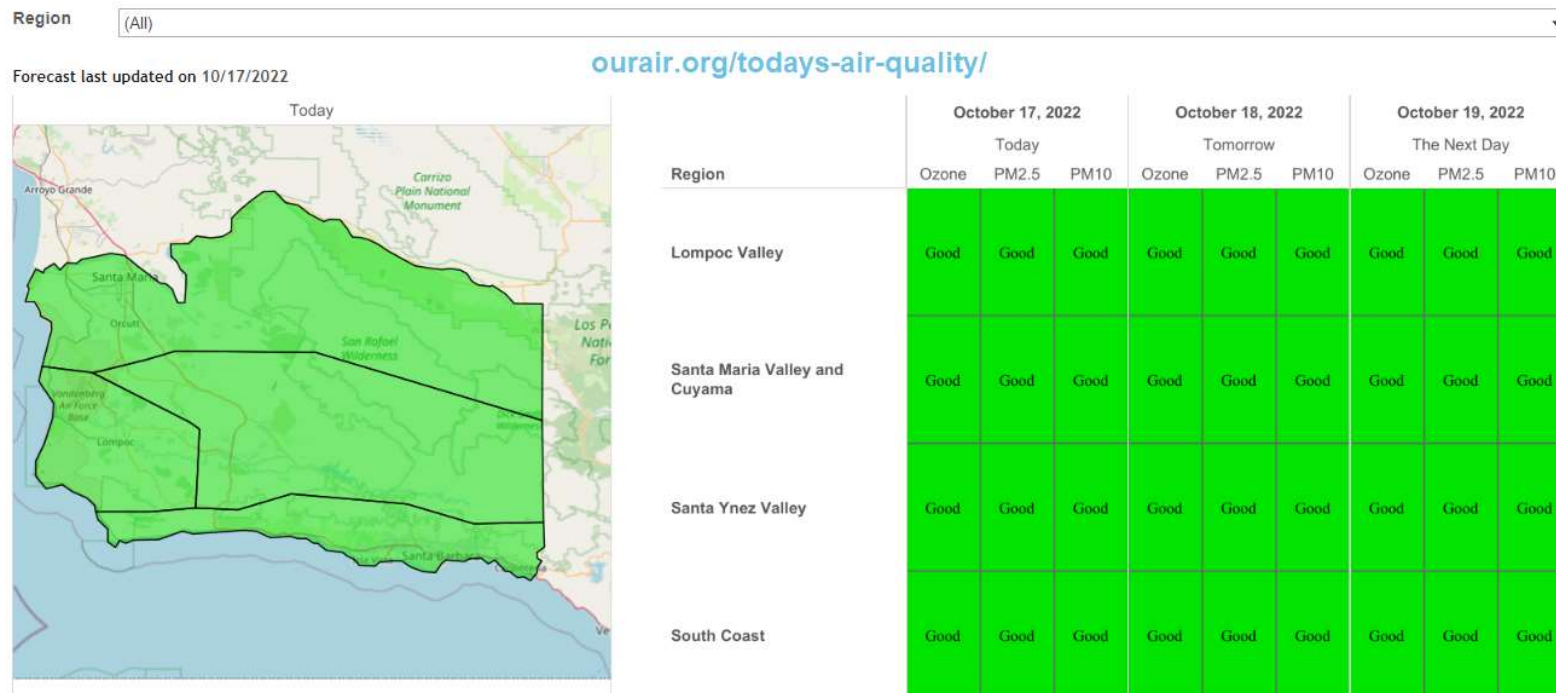


- 300 Good Days
- 64 Moderate Days
- 1 Unhealthy for Sensitive Groups Day
- 0 Days Unhealthy and above

FIRE & SMOKE MAP



DISTRICT FORECAST MAPS



SUMMARY

- A relatively clear year in terms of AQI
 - Wildfires and hot conditions continue to create challenges for ozone and PM
 - Santa Maria station relocated
 - High wind events typically contribute to PM10 exceedances
- No exceedance of NO₂, SO₂, and CO standards



CONTACT INFORMATION

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