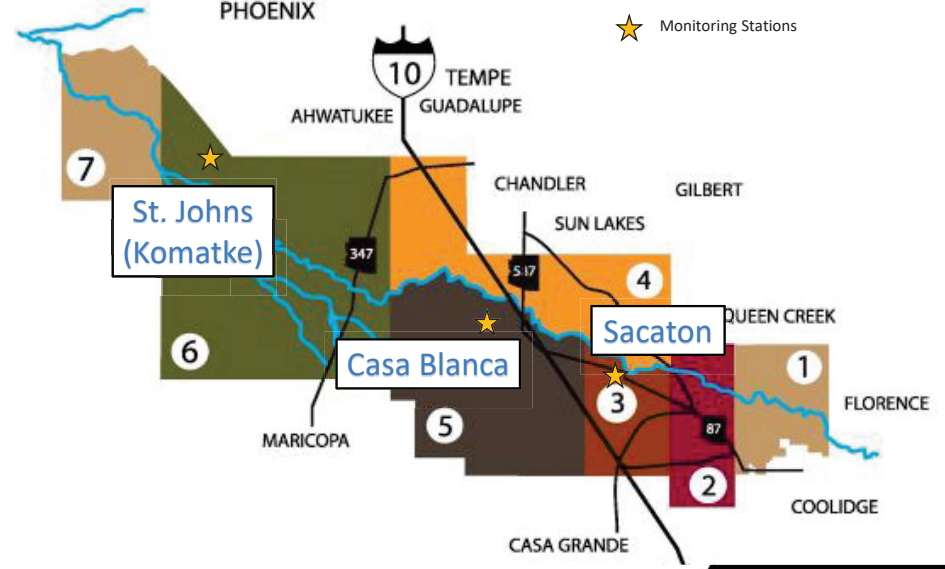




2025 GRIC Air Monitoring Network Review



GRIC Air Monitoring Network



Air Monitoring Network Plan

- Requirement for Regulatory Monitoring
- Includes
 - Description of Air Monitoring Network (AMN)
 - Review of 2025 Performance/Data/Changes
 - Recommendations for 2026 Network Changes
- Requires 30-Day Public Comment Period
- Plan due to US EPA by July 1, 2026



2025 Summary

- 95-100% Data Completeness (Valid Data)
- Seasonal Monitoring for Ozone
 - April – October
- No changes to monitoring network
- Procured new equipment
- 5-Year Assessment Plan

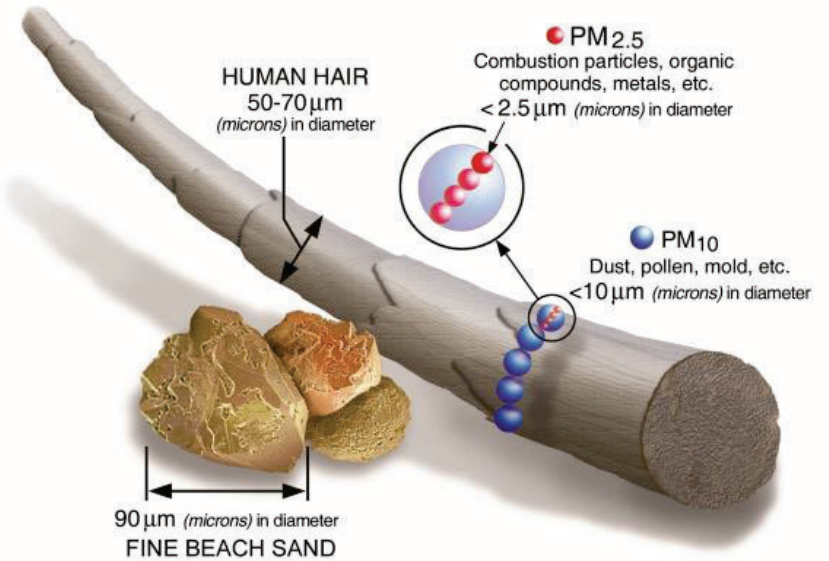


2026 Activities

- Continue Seasonal Ozone Monitoring – April – October
- Installing new monitoring equipment
- Training and onboarding staff
- Priority goal is a fully staffed Air Quality Program



What Is PM10?



The Air Quality Index (AQI)

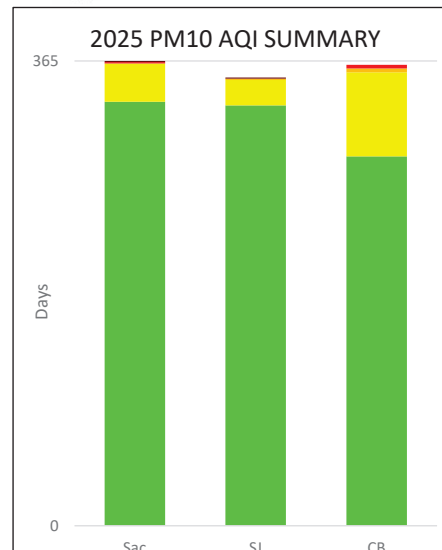
Air Quality Index (AQI) Values	Levels of Health Concern
0 to 50	Good
51-100	Moderate
101-150	Unhealthy for Sensitive Groups
151-200	Unhealthy
201-300	Very Unhealthy
301 to 500	Hazardous

- Indicator of how clean (or polluted) the air is
- Colors associated with health affects/action steps
- Orange ~ Exceedance of National Ambient Air Quality Standard (NAAQS)

Note: Hazardous is extremely rare and not included in the Flag Program



2025 PM10 Results



- Most days good/moderate
- Casa Blanca has more moderate days



2025 PM10 Results

2025 PM10 AQI

SACATON	ST. JOHNS	CASA BLANCA
January	January	January
February	February	February
March	March	March
April	April	April
May	May	May
June	June	June
July	July	July
August	August	August
September	September	September
October	October	October
November	November	November
December	December	December

AQI Index	Concentration
Good healthy range	0-54 $\mu\text{g}/\text{m}^3$
Moderate healthy range	55-154 $\mu\text{g}/\text{m}^3$
Unhealthy for Sensitive Groups	155-254 $\mu\text{g}/\text{m}^3$
Unhealthy	255-354 $\mu\text{g}/\text{m}^3$
Very Unhealthy	355-424 $\mu\text{g}/\text{m}^3$
Hazardous	425-604 $\mu\text{g}/\text{m}^3$
< 75% data capture	

The NAAQS for PM10 is 150 $\mu\text{g}/\text{m}^3$



Normal vs. Exceedance Day

Normal Day (SJ) – 10/4/22



4:20pm

Exceedance Day (SJ) – 10/3/22



4:40pm



Exceedance Day (10/3/22)



4:20pm



4:30pm



4:40pm



4:50pm



5:00pm



5:10pm



5:20pm



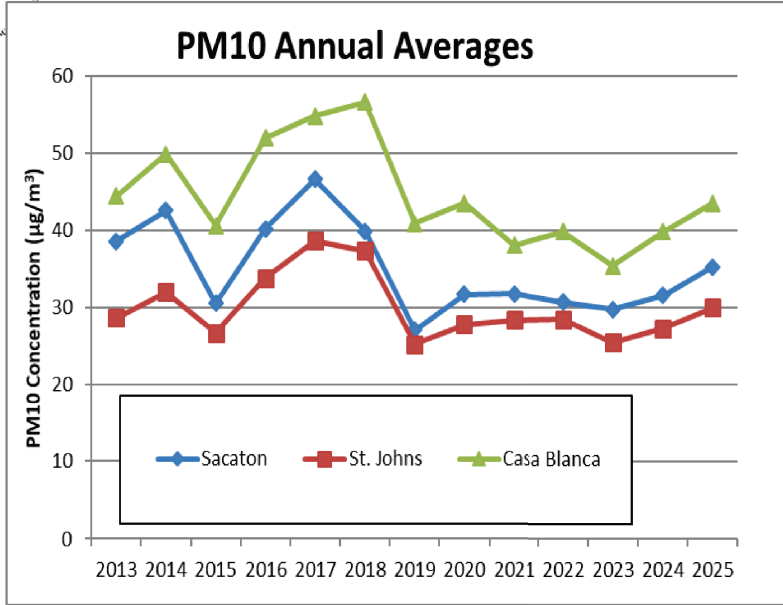
5:30pm



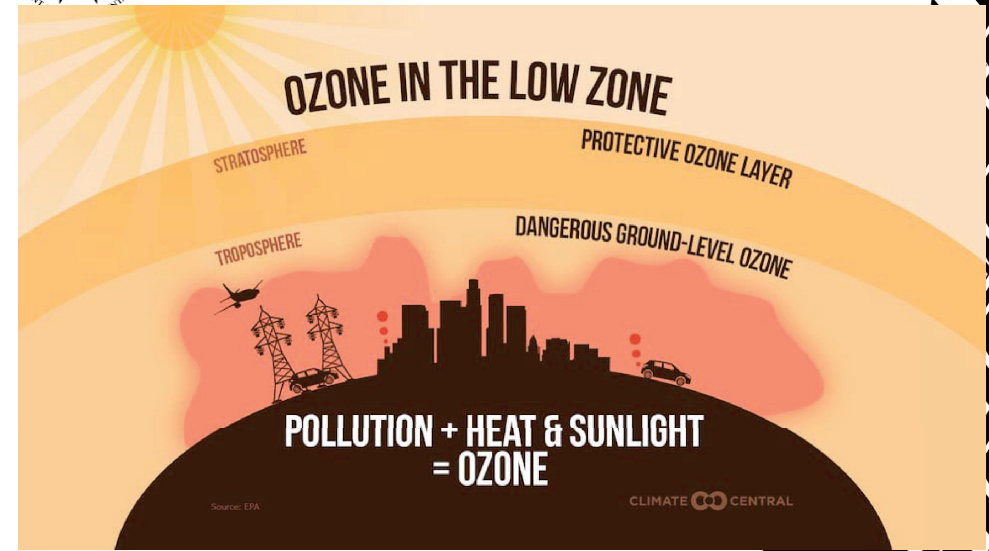
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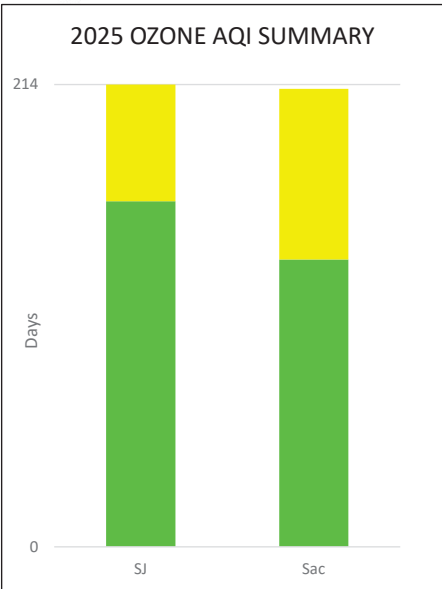
PM10 Trends



What Is Ozone?



2025 Ozone Results



- All days good/moderate
- Ozone not historically a problem for Community BUT...
- GRIC borders Phoenix Metro Area



2025 Ozone Results

ST. JOHNS																															SACATON																																
January	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	January	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
February	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29			February	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29		
March	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	March	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
April	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30		April	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
May	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	May	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
June	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30		June	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
July	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	July	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
August	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	August	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
September	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30		September	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
October	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	October	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
November	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30		November	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
December	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	December	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31

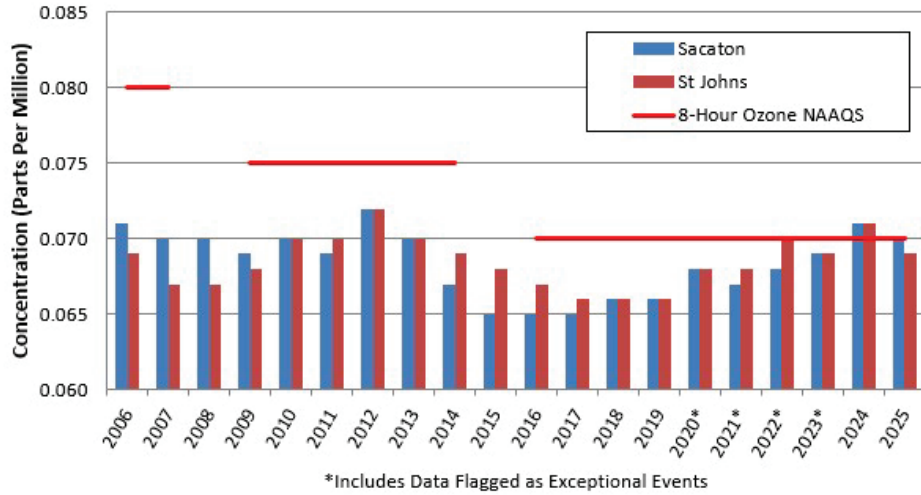
AQI Index	Concentration
Good healthy range	0 - 0.054 ppm
Moderate healthy range	0.055 - 0.070 ppm
Unhealthy for Sensitive Groups	0.071 - 0.085 ppm
Unhealthy	0.086 - 0.105 ppm
< 75% data capture	

The NAAQS for Ozone is 0.070 ppm



Ozone Trends

GRIC Air Monitoring Network's Ozone Design Values, 2006-2025



Realtime Air Quality Info

www.gricdeq.org → Air → Ambient Air Monitoring **OR**  **OR** www.arsgric.com/index2.html

[Back To Main Map](#) [View Sacaton](#) [View St. Johns](#) [View Casa Blanca](#)

	St. Johns	Casa Blanca	Sacaton
Temperature	81 °F	82 °F	84 °F
Humidity	26 %	24 %	19 %
Precipitation	0 in	0 in	0 in
Wind Speed	7 mph	2 mph	4 mph
Wind Direction	NNE	S	NNE
PM ₁₀ (AQI)	31	33	42
Ozone (AQI)	31		33

Current Conditions

- Temperature: 77°F
- Humidity: 28%
- Barometric Pressure: 29.8 inHg
- Precipitation (1 hr): 0 in
- Precipitation (Last 24 hrs): 0 in
- Wind Speed (5 mph): 2 mph
- Wind Speed (1 hr): 4 mph
- Wind Direction (5 mi): SSE
- Wind Direction (1 hr): SSE
- PM₁₀ (5 mi): 24.9 µg/m³
- PM₁₀ (1 hr): 16.5 µg/m³
- PM_{2.5} (24 hr Estimate): 25 µg/m³

NowCast AQI

Particulate Matter PM_{2.5}

Good



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AirNow Air Quality Notifications

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Confirm Email:

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Last Name:

ZIP Code:

*required fields

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Receive Action Day Notifications

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Receive Current Conditions Current Conditions are unavailable for this city.

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Need help signing up? Contact:

Tison Gill
Education/Outreach Specialist
Tison.Gill.DEQ@gric.nsn.us
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