

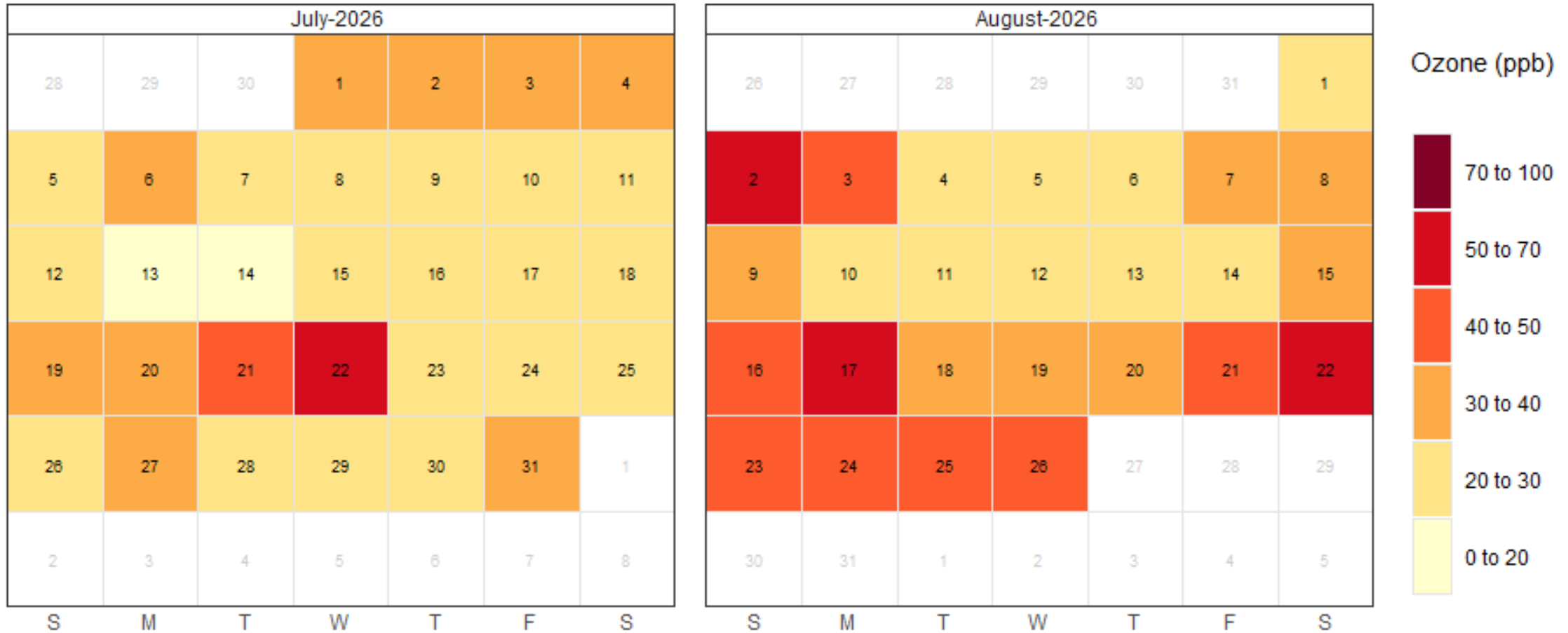


August Monitoring Update



Ebrahim Eslami, PhD
RAQPAC
August 27, 2026

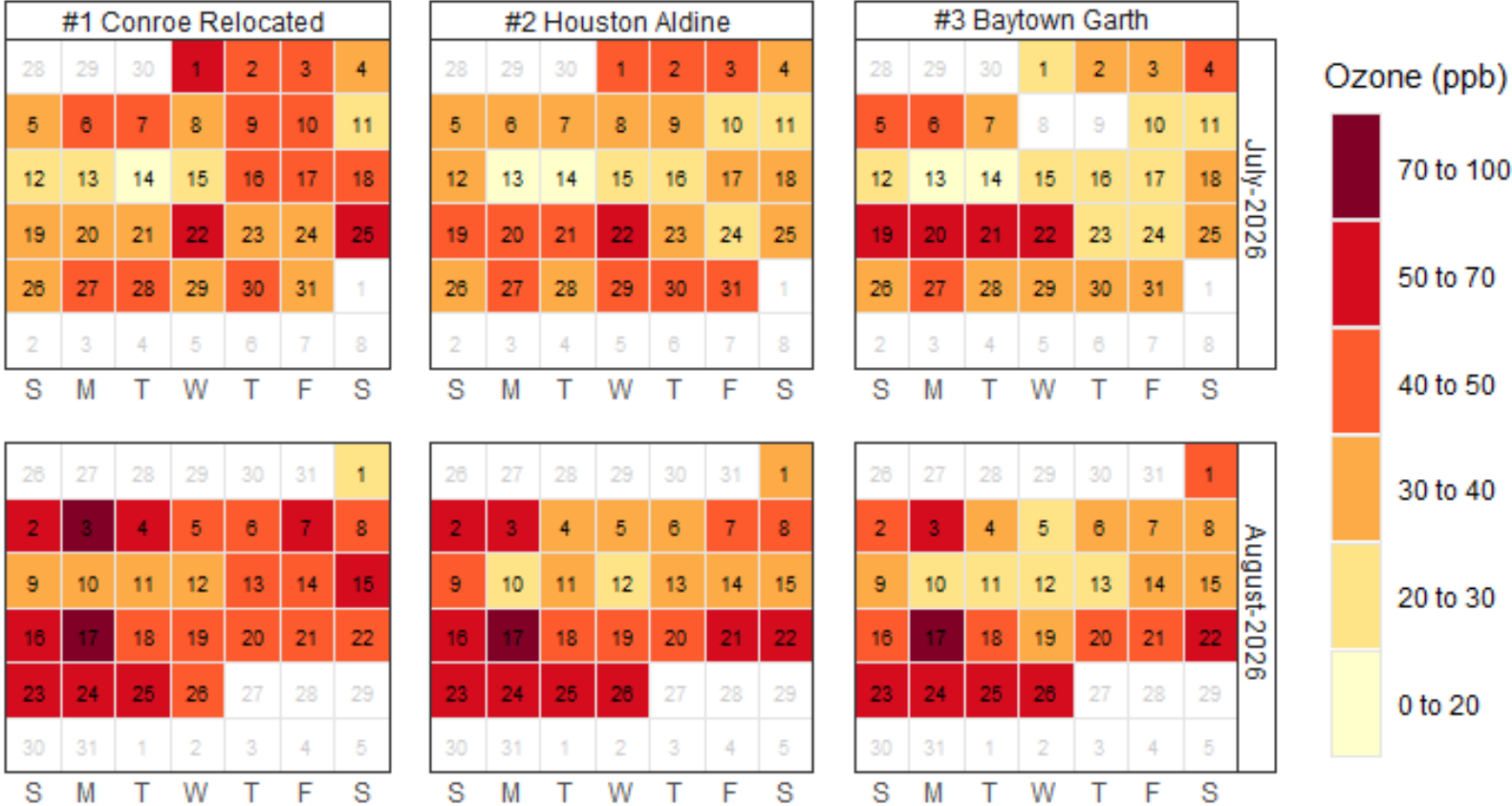
Mean Daily Maximum 8-Hour Ozone Concentration (All Monitors, May 2026)



- July Exceedance Days: 1
- August Exceedance Days: 3*

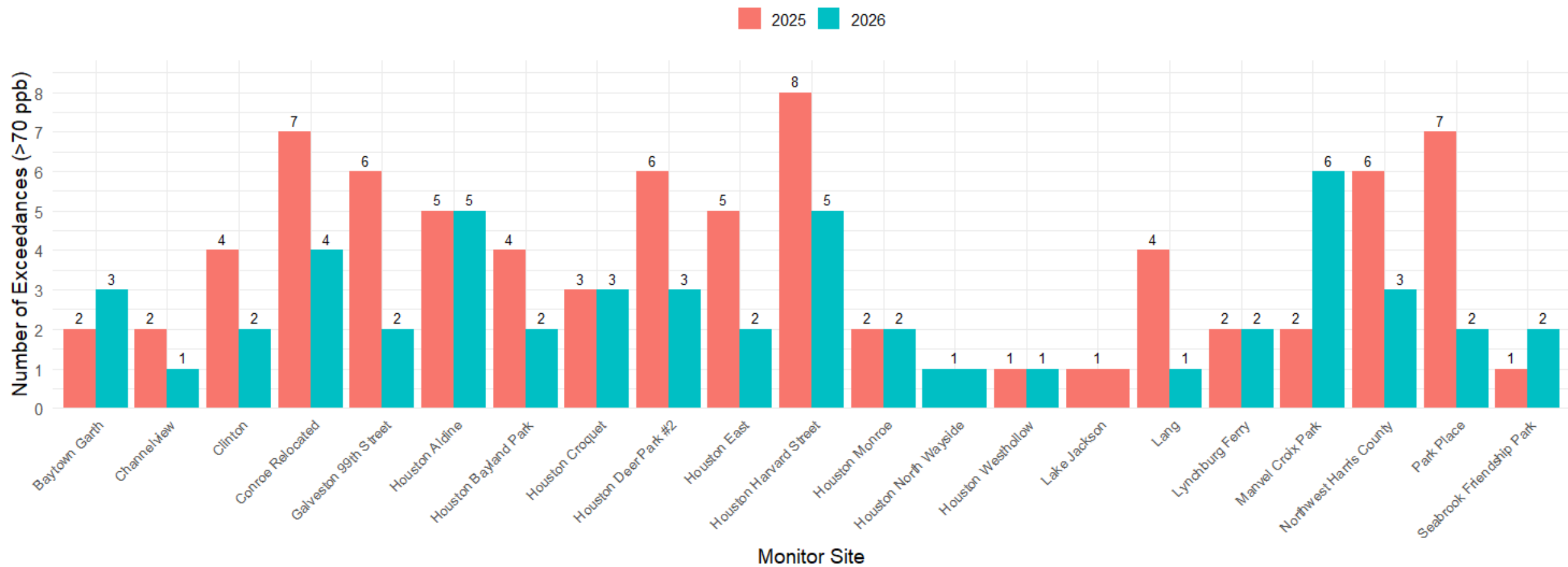
- 2026 Exceedance Days 12*
- 2025 Exceedance Days: 44

Daily Maximum 8-Hour Ozone Concentrations: Top 3 Monitors by Month (July-August 2026)



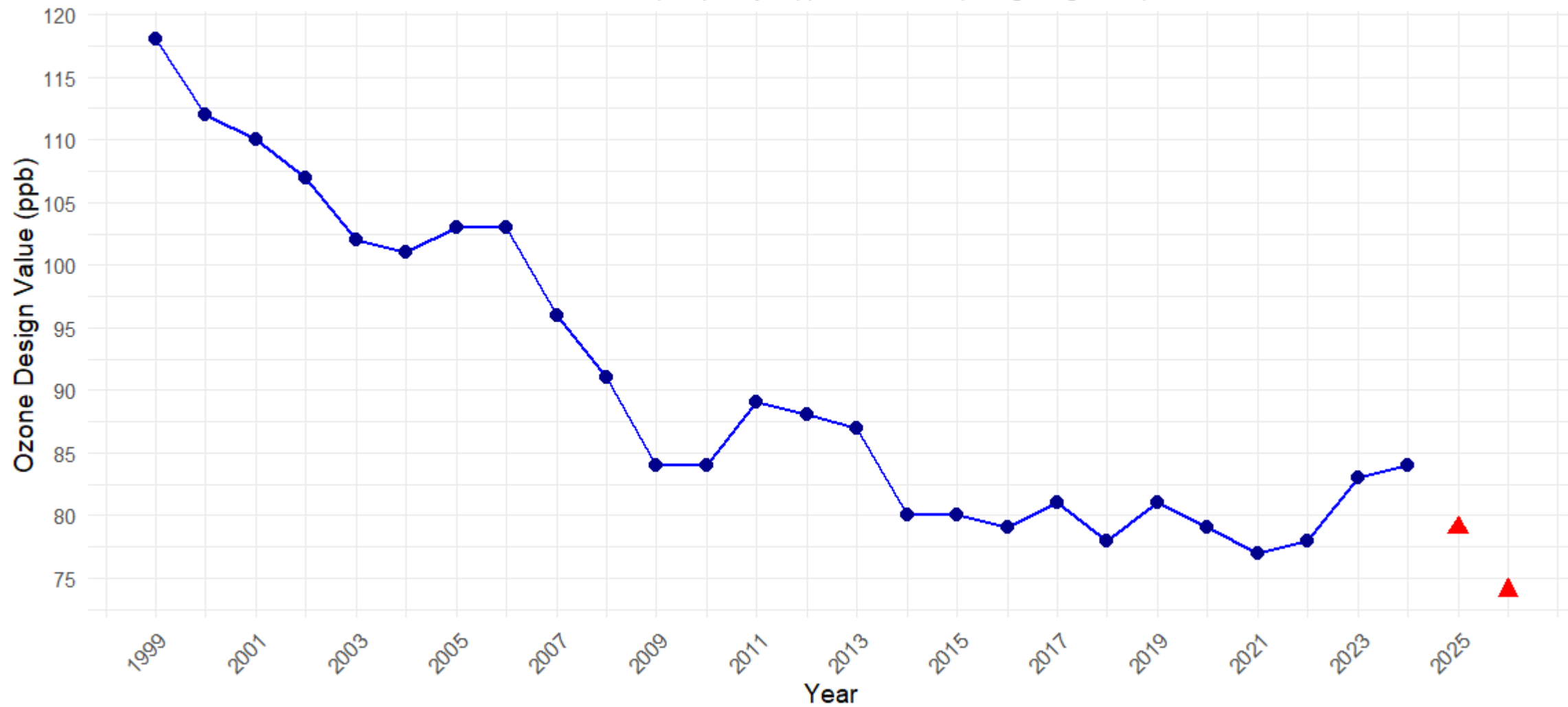
Monitor	Average MDA8 Ozone (August)	Average MDA8 Ozone (July)
Conroe Relocated	48.5	38.8
Houston Aldine	46.7	37.9
Baytown	43.2	37.2

Year-to-Date Ozone Exceedances by Site (through August 26)



Ozone Design Value Trend (1999-2026)

2025 tentative (complete year) | 2026 tentative (through August 26)



Mean Daily PM_{2.5} Concentration (All Monitors, 2025)

January-2026						
28	29	30	31	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
1	2	3	4	5	6	7
S	M	T	W	T	F	S

February-2026						
25	26	27	28	29	30	31
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
1	2	3	4	5	6	7
S	M	T	W	T	F	S

March-2026						
22	23	24	25	26	27	28
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	1	2	3	4
S	M	T	W	T	F	S

April-2026						
29	30	31	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	1	2
3	4	5	6	7	8	9
S	M	T	W	T	F	S

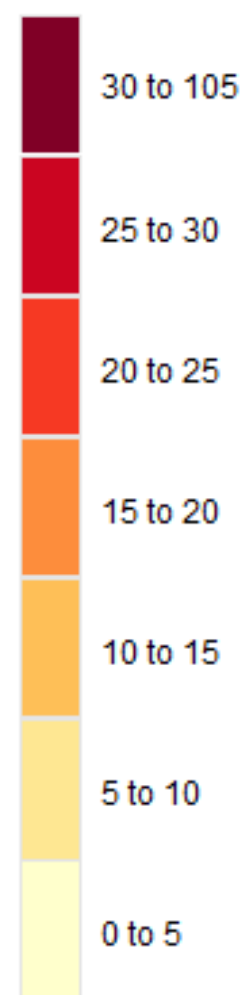
May-2026						
26	27	28	29	30	1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31	1	2	3	4	5	6
S	M	T	W	T	F	S

June-2026						
31	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	1	2	3	4
5	6	7	8	9	10	11
S	M	T	W	T	F	S

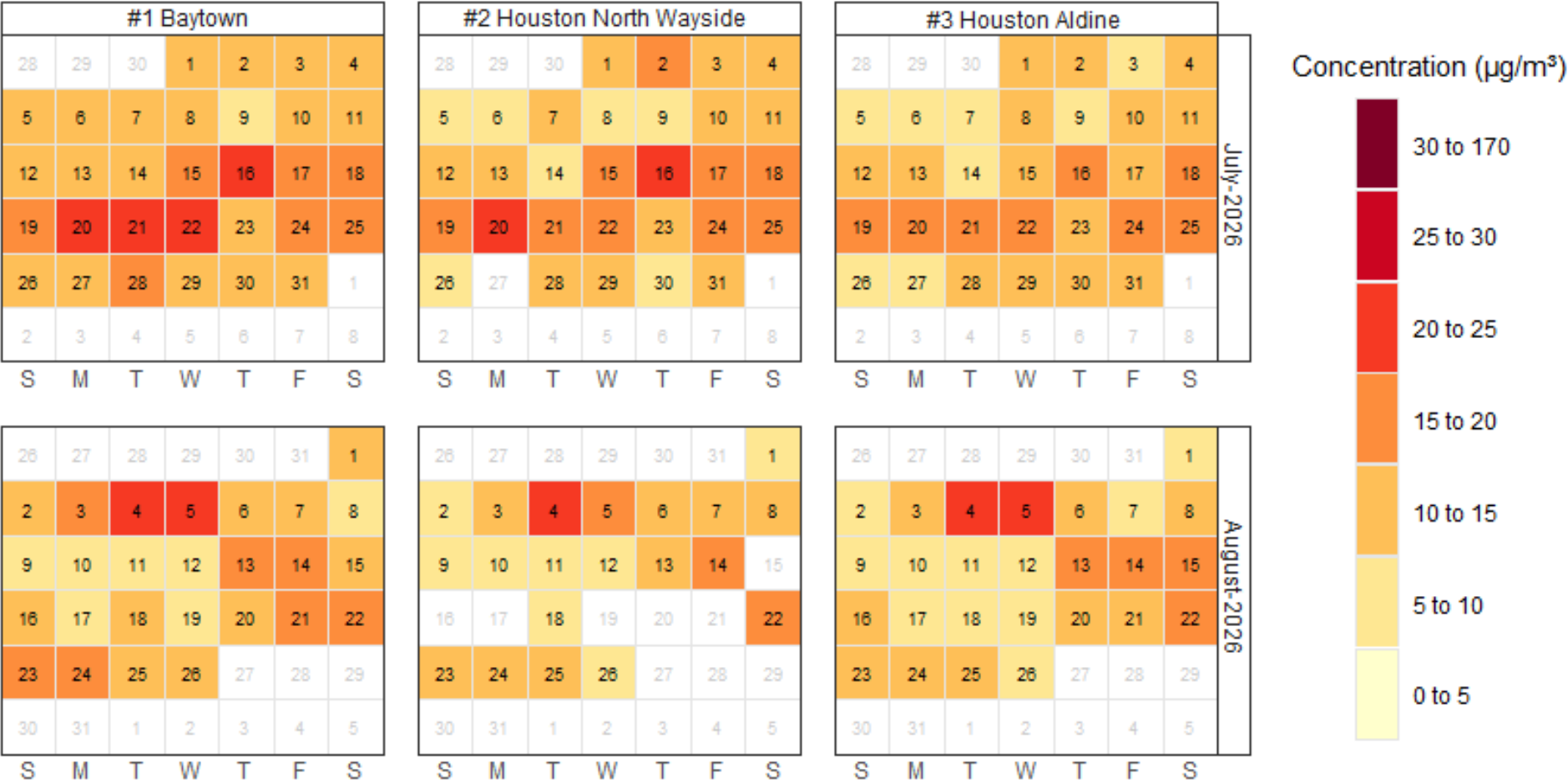
July-2026						
28	29	30	1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	1
2	3	4	5	6	7	8
S	M	T	W	T	F	S

August-2026						
26	27	28	29	30	31	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	1	2	3	4	5
S	M	T	W	T	F	S

Concentration ($\mu\text{g}/\text{m}^3$)



Daily Maximum PM_{2.5} Concentrations: Top 3 Monitors by Month (July-August 2026)



Monitor	Average max PM2.5 (August)	Average max PM2.5 (July)
Conroe Relocated	14.2	12.9
Houston Aldine	13.6	12.2
Baytown	12.7	12.1

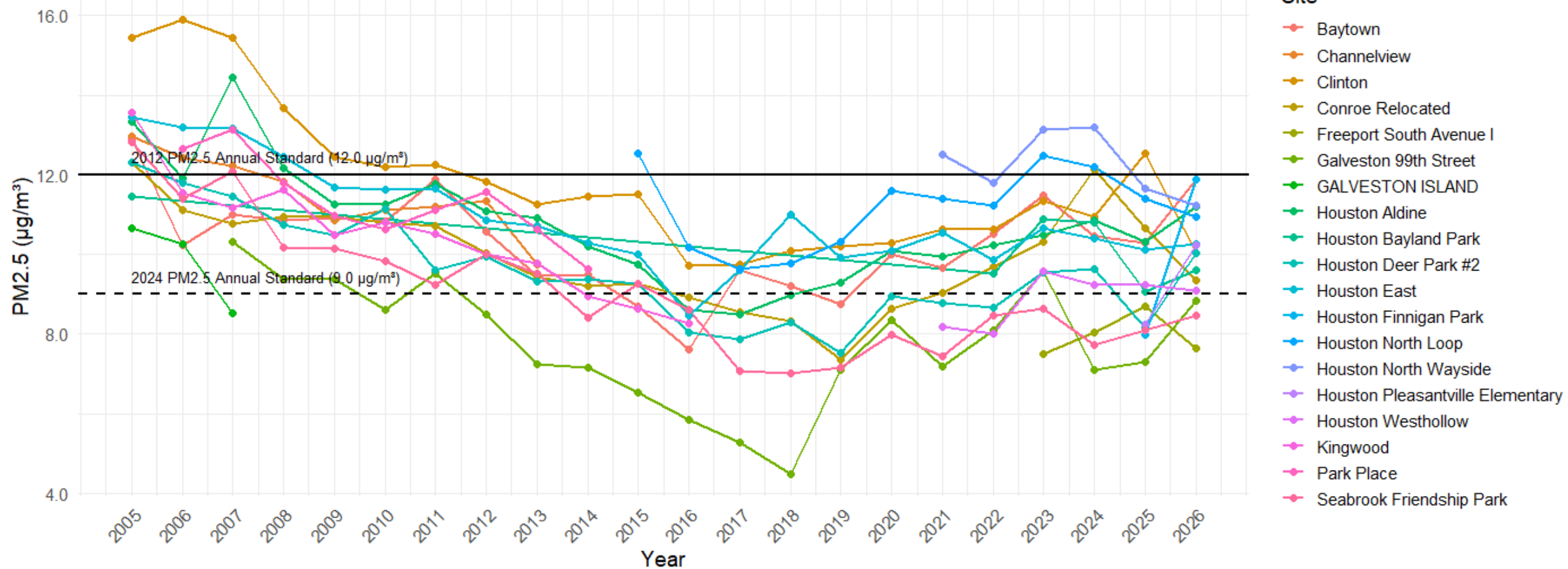
Tentative PM2.5 Design Value by Monitor (2024-2026)

2026 data through August 26



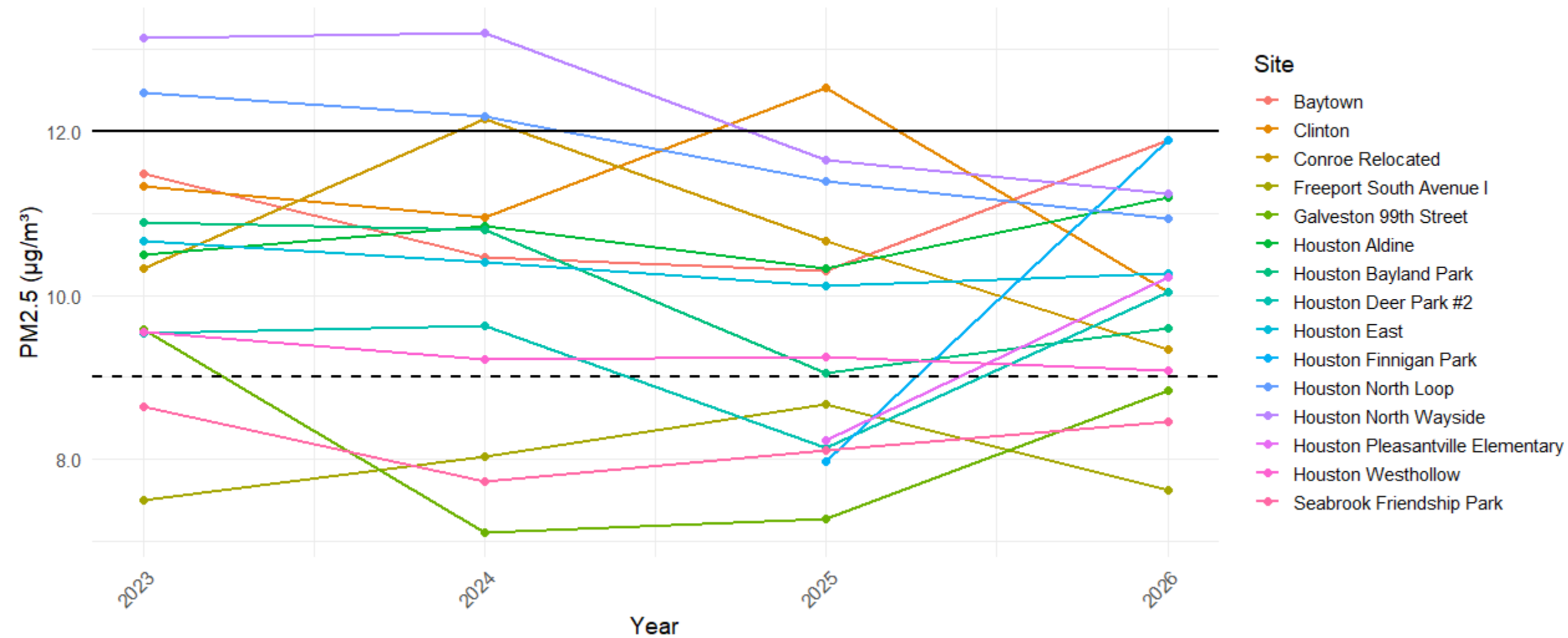
Annual PM2.5 Averages by Monitoring Site

Annual average calculated from quarterly averages



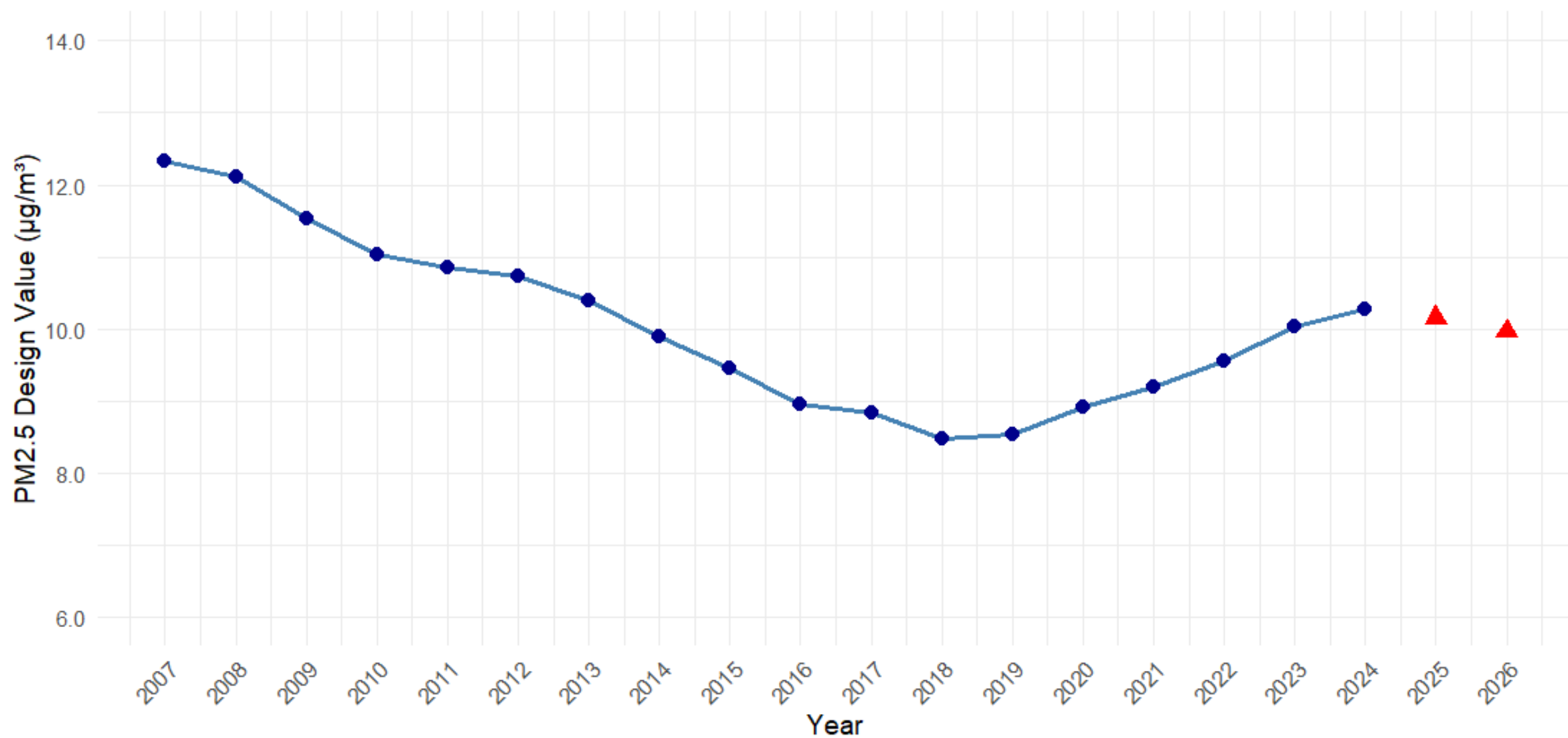
Annual PM2.5 Averages by Monitoring Site (2023-2026)

2026 data through August 26



Regional PM2.5 Design Value Trend

2025 tentative (complete year) | 2026 tentative (through August 26)



Maximum Daily AQI Value (PM_{2.5} and Ozone)

January-2026						
28	29	30	31	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
1	2	3	4	5	6	7
S	M	T	W	T	F	S

February-2026						
25	26	27	28	29	30	31
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
1	2	3	4	5	6	7
S	M	T	W	T	F	S

March-2026						
22	23	24	25	26	27	28
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	1	2	3	4
S	M	T	W	T	F	S

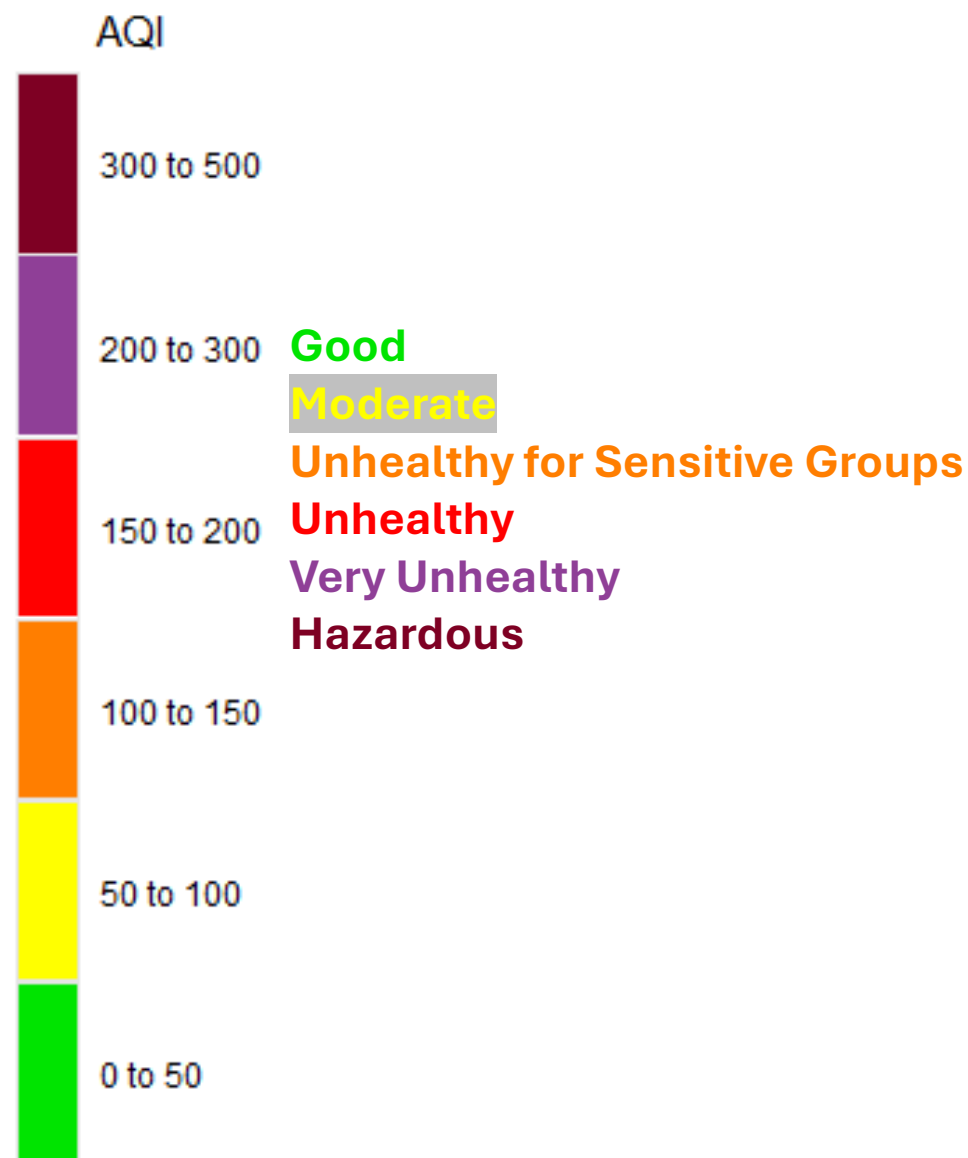
April-2026						
29	30	31	1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	1	2
3	4	5	6	7	8	9
S	M	T	W	T	F	S

May-2026						
26	27	28	29	30	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	1	2	3	4	5	6
S	M	T	W	T	F	S

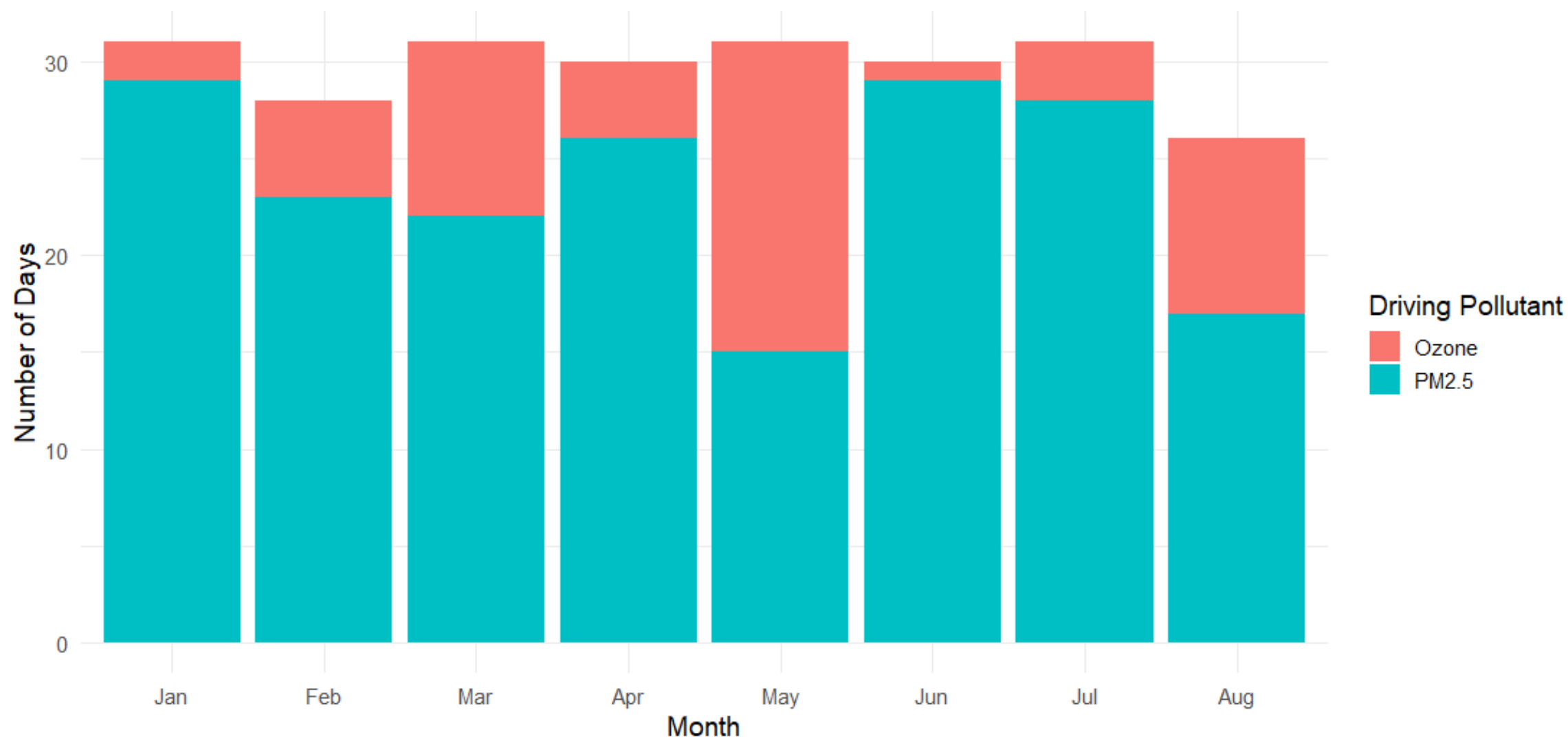
June-2026						
31	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	1	2	3	4
5	6	7	8	9	10	11
S	M	T	W	T	F	S

July-2026						
28	29	30	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	1
2	3	4	5	6	7	8
S	M	T	W	T	F	S

August-2026						
26	27	28	29	30	31	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	1	2	3	4	5
S	M	T	W	T	F	S



**Number of Days by AQI Source per Month, 2026 YTD
(through August 26)**



Staff Contact



Ebrahim Eslami, PhD
Principal Planner – Air Quality
ebrahim.eslami@h-gac.com
346-398-6161