

DRAFT

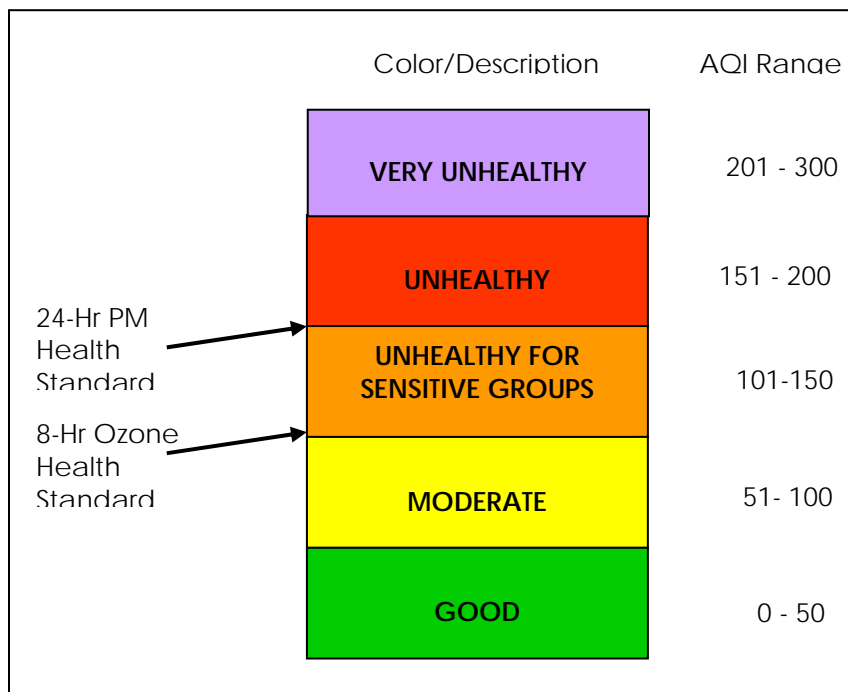
2006 Ozone Season Summary
Metropolitan Washington Region

Department of Environmental Programs
Metropolitan Washington
Council of Governments
Washington, DC



Air Quality Reporting

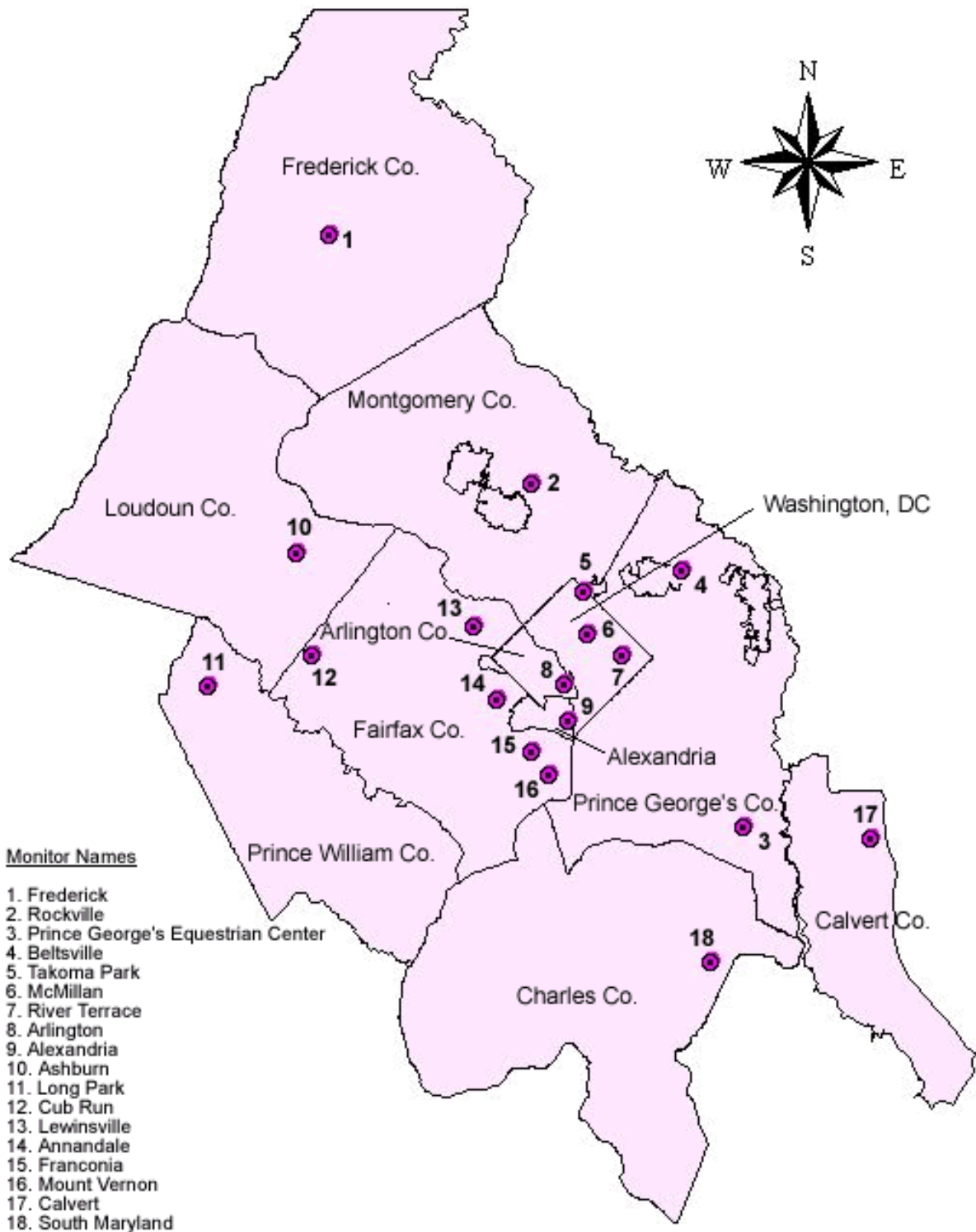
Air Quality Index (AQI) Ranges – Health Descriptors



AQI Codes, Health Descriptors, and Concentration Ranges

AQI COLOR	AQI RANGE	HEALTH DESCRIPTOR	8-HOUR O ₃ RANGE (ppb)	24-HOUR PM RANGE (µg/m ³)
Purple	201 - 300	Very Unhealthy	>124	>150.4
Red	151 - 200	Unhealthy	105 - 124	65.5 – 150.4
Orange	101 - 150	Unhealthy for Sensitive Groups	85 – 104	40.5 – 65.4
Yellow	51 – 100	Moderate	65 – 84	15.5 – 40.4
Green	0 – 50	Good	0 - 64	0 – 15.4

Washington, DC Region Ozone Monitors (2006)



Air Quality in Metropolitan Washington Area Ozone Season 2006

Unhealthy Air Quality Forecasts Issued	
Code Orange:	Code Red:
May 29, 30, & 31	July 18
June 17 & 22	August 2
July 1, 11, 12, 17, & 30	
August 1, 3, & 26	
Total: 15 (2 Code Red, 13 Code Orange)	

Daily Peak 8-Hour Ozone Concentration (ppb) Washington Area-2006

MAY

Sun	Mon	Tues	Wed	Thurs	Fri	Sat
	1	2	3	4	5	6
	61	73	59	71	69	64
7	8	9	10	11	12	13
52	34	54	72	45	50	56
14	15	16	17	18	19	20
46	46	42	53	55	43	57
21	22	23	24	25	26	27
56	47	36	60	67	56	56
28	29	30	31			
76	88	102	102			

JUNE

Sun	Mon	Tues	Wed	Thurs	Fri	Sat
				1	2	3
				98	72	42
4	5	6	7	8	9	10
55	46	70	72	76	63	55
11	12	13	14	15	16	17
56	49	60	51	55	81	91
18	19	20	21	22	23	24
90	77	73	91	83	72	62
25	26	27	28	29	30	
38	23	24	79	76	68	

JULY

Sun	Mon	Tues	Wed	Thurs	Fri	Sat
						1
						72
2	3	4	5	6	7	8
69	80	84	50	47	47	64
9	10	11	12	13	14	15
60	71	86	71	44	71	54
16	17	18	19	20	21	22
58	116	125	100	81	84	56
23	24	25	26	27	28	29
51	68	62	69	79	42	58
30	31					
67	86					

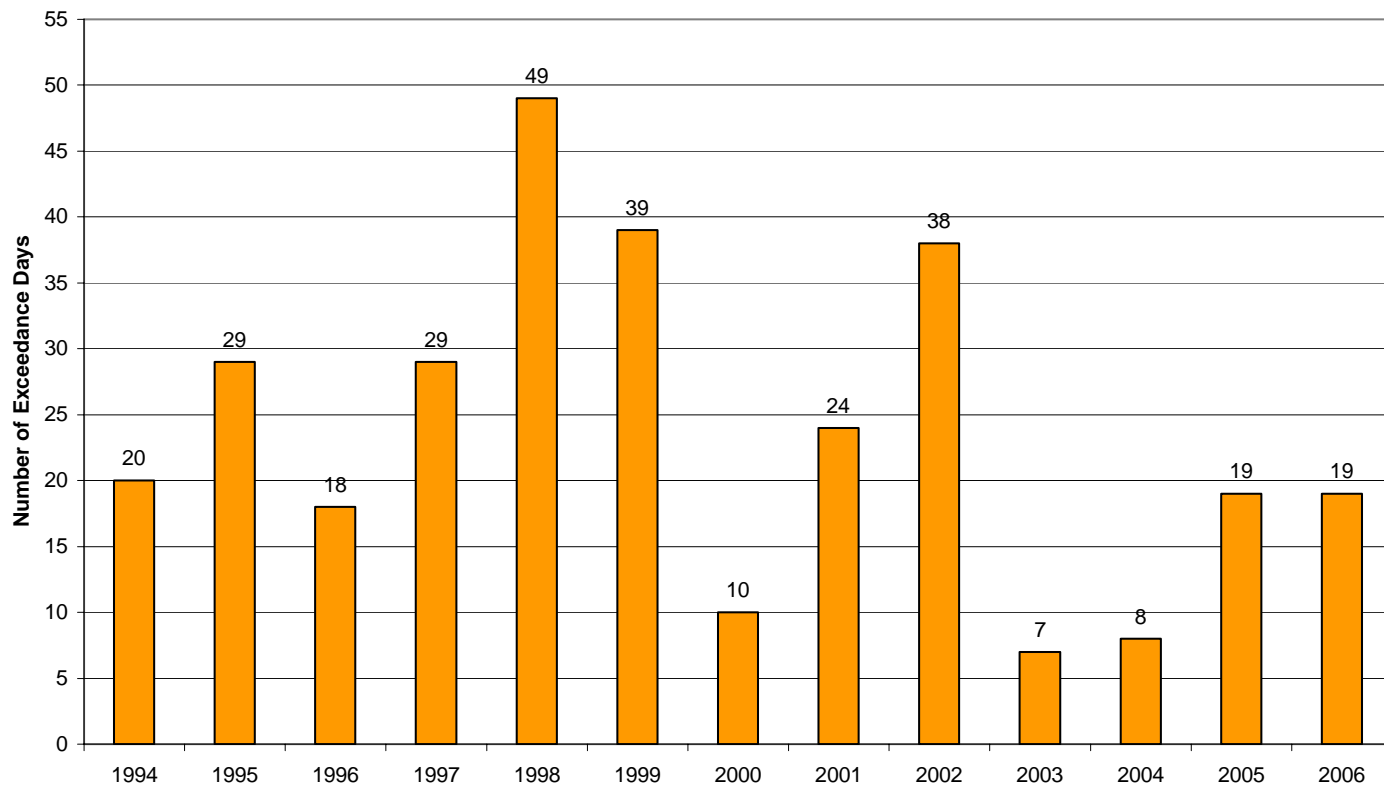
AUGUST

Sun	Mon	Tues	Wed	Thurs	Fri	Sat
		1	2	3	4	5
		100	83	78	67	75
6	7	8	9	10	11	12
88	83	73	68	52	58	57
13	14	15	16	17	18	19
76	70	60	85	82	86	55
20	21	22	23	24	25	26
56	67	83	90	86	88	82
27	28	29	30	31		
58	70	63	26	33		

SEPTEMBER

Sun	Mon	Tues	Wed	Thurs	Fri	Sat
					1	2
					31	25
3	4	5	6	7	8	9
42	45	35	46	56		
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30

Exceedances of the 8-Hour Ozone Standard
Washington Metropolitan Region
 1994 - 2006



8-Hour Ozone Exceedences			
Date	# of Monitors Exceeding	Monitor(s)	Highest Concentration (ppb)
5/29/2006	3	McMillan Reservoir	88
		River Terrace	86
		HU-Beltsville	85
5/30/2006	12	McMillan Reservoir	102
		River Terrace	93
		Takoma	86
		HU-Beltsville	95
		PGC Equestrian Center	85
		Alexandria	94
		Aurora Hills	101
		Annandale	92
		Franconia	99
		James S. Long Park	96
		Lewinsville	90
		Mt Vernon	94

Date	# of Monitors Exceeding	Monitor(s)	Highest Concentration (ppb)
5/31/2006	10	McMillan Reservoir	87
		Takoma	85
		Fredrick Cnty	88
		Rockville	102
		Ashburn	102
		Aurora Hills	85
		Annandale	85
		Cub Run	88
		James S. Long Park	98
		Lewinsville	92
6/1/2006	5	McMillan Reservoir	85
		Lewinsville	87
6/18/2006	2	Frederick Co	85
		HU-Beltsville	90
7/11/2006	1	HU-Beltsville	86
7/17/2006	10	McMillan Reservoir	91
		River Terrace	87
		PGC Equestrian Center	100
		S. Maryland	99
		Alexandria	98
		Aurora Hills	95
		Annandale	87
		Franconia	107
		Lewinsville	88
		Mt Vernon	116
7/18/2006	8	McMillan Reservoir	96
		River Terrace	93
		PGC Equestrian Center	102
		S. Maryland	94
		Alexandria	118
		Aurora Hills	97
		Franconia	109
		Mt Vernon	125
7/19/2006	6	McMillan Reservoir	87
		Ashburn	88
		Aurora Hills	85
		Cub Run	86
		Franconia	85
		Lewinsville	100

Date	# of Monitors Exceeding	Monitor(s)	Highest Concentration (ppb)
7/31/2006	1	Calvert Co	87
8/1/2006	2	PGC Equestrian Center	100
		Mt Vernon	88
8/6/2006	1	Rockville	88
8/16/2006	1	Franconia	85
8/18/2006	1	Frederick Co	86
8/23/2006	6	McMillan Reservoir	90
		River Terrace	85
		Calvert Co	90
		S. Maryland	89
		Franconia	87
		Mt Vernon	87
8/24/2006	2	River Terrace	86
		S. Maryland	85
8/25/2006	7	River Terrace	87
		Frederick Co	85
		HU-Beltsville	85
		PGC Equestrian Center	87
		Annandale	85
		Franconia	86
		Mt Vernon	88

Daily Peak 24-Hour Particle Concentration (ug/m3) Washington Area-2006

MAY

Sun	Mon	Tues	Wed	Thurs	Fri	Sat
	1	2	3	4	5	6
	5	8	15	16	18	13
7	8	9	10	11	12	13
7	6	8	10	15	8	10
14	15	16	17	18	19	20
13	5	10	11	13	7	11
21	22	23	24	25	26	27
10	9	10	12	25	26	13
28	29	30	31			
19	24	36	35			

JUNE

Sun	Mon	Tues	Wed	Thurs	Fri	Sat
				1	2	3
				29	26	7
4	5	6	7	8	9	10
10	7	14	14	19	16	8
11	12	13	14	15	16	17
6	11	11	26	9	12	23
18	19	20	21	22	23	24
34	28	17	24	22	17	16
25	26	27	28	29	30	
7	7	7	15	20	20	

JULY

Sun	Mon	Tues	Wed	Thurs	Fri	Sat
						1
						27
2	3	4	5	6	7	8
30	29	43	23	14	13	17
9	10	11	12	13	14	15
20	36	49	34	15	28	26
16	17	18	19	20	21	22
13	26	32	26	30	28	17
23	24	25	26	27	28	29
9	17	20	19	26	18	19
30	31					
26	29					

AUGUST

Sun	Mon	Tues	Wed	Thurs	Fri	Sat
		1	2	3	4	5
		38	43	30	17	13
6	7	8	9	10	11	12
19	25	25	12	20	10	10
13	14	15	16	17	18	19
18	22	24	14	18	11	9.7
20	21	22	23	24	25	26
19	10	21	30	32	35	34
27	28	29	30	31		
16	15	18	11	10		

SEPTEMBER

Sun	Mon	Tues	Wed	Thurs	Fri	Sat
					1	2
					4	5
3	4	5	6	7	8	9
13	12	11	23	24		
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30