

Appendix 1. Air Atlas Pollution Estimates

Mid-Atlantic Network

Park	Ozone					Wet Deposition			Visibility			
	2nd_Hi	1hr	4th_Hi	8hr	#8hr > 85	#1hr > 100	Sum06_3	Mo	Total_S_kg/Ha	Total_N_kg/Ha	Rbext_Clear	Rbext_Hazy
APCO	112.5		87.4		8.0	14.1	27.4		3.73	3.04	38	189
BOWA	111.1		86.2		6.9	11.6	27.9		3.86	3.08	39	190
EISE	123.3		93.5		12.1	27.6	34.6		4.87	3.95	30	183
FRSP	120.8		90.6		10.1	22.4	31.6		4.96	4.03	29	185
GETT	123.3		93.5		12.1	27.6	34.4		4.87	3.95	30	183
HOFU	128.2		95.7		12.3	34.4	28.7		4.47	3.80	32	172
PETE	116.9		88.9		8.8	16.8	32.8		3.93	3.25	33	185
RICH	119.8		89.9		9.7	19.7	34.3		4.18	3.44	31	185
SHEN	115.4		88.7		8.1	16.6	36.7		5.56	4.45	27	185
VAFO	129.3		96.2		12.7	36.7	28.3		4.31	3.68	32	171

Ozone information represents 5-yr average of annual values from 1995-1999

2nd High 1 hr concentration (ppb): indicates peak values for ozone; old standard of 0.12 ppm (120 ppb) was based on 2nd hi, 1-hr average

4th high 8 hr concentration (ppb): new ozone standard of 0.08 ppm (80 ppb) is based on 4th hi, 8-hr average

#8 hours>85 ppb: indicates how often the area would be in violation of the new 8-hr standard of 0.08 ppm

hours> 100 ppb: high peaks in ozone concentration, as well as cumulative dose, contribute to vegetation injury

SUM06_3mon (ppm-hrs) - sum of hourly ozone conc≥0.06 ppm (60 ppb) over 3 months (~ growing season), i.e., cumulative ozone dose

NADP information represents 6-yr average of annual values from 1995-2000

NADP deposition (kg/ha/yr): estimate of pollutants deposited to ecosystem by precipitation (NADP-National Atmospheric Deposition Program)

NADP Total S - sulfur from sulfate deposited by precipitation

NADP Total N - inorganic nitrogen (ammonium plus nitrate) deposited by precipitation

Visibility IMPROVE information represents 5-yr average of annual values from 1995-1999

bextClear - measure of light scattering and absorption, i.e., extinction, by particles in the air on an average clear day

bextHazy - measure of light scattering and absorption, i.e., extinction, by particles in the air on an average hazy day