

Air Quality Pollutant Estimates Southern Plains Network

Park	Ozone					Sum06 3 Mo	NADP		Visibility	
	2nd Hi 1hr	4th Hi 8hr	#8hr > 85	#1hr > 100	Total S kg/Ha		Total N kg/Ha	Rbext Clear	Rbext Hazy	
Alibates Flint Quarries NM	104.4	77.9	3.5	7.1	21.9	1.44	2.51	8	34	
Bents Old Fort NHS	98.4	71.8	1.7	2.2	8.7	1.32	2.69	7	26	
Capulin Volcano NM	92.6	68.8	0.7	0.9	10.7	1.18	2.14	7	26	
Chickasaw NRA	122.4	90.0	9.3	23.0	24.2	2.56	3.05	18	97	
Fort Larned NHS	106.6	78.9	3.4	5.3	21.2	2.12	3.75	9	44	
Fort Union NM	88.6	68.0	0.2	0.3	16.3	1.14	1.81	8	27	
Lake Meredith NRA	102.6	76.7	3.0	5.7	21.9	1.44	2.50	8	34	
Lyndon B. Johnson NHP	126.8	89.2	8.9	24.9	17.4	2.02	2.12	13	60	
Pecos NHP	89.4	68.2	0.2	0.2	15.8	1.13	1.71	8	27	

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 concentration (ppm) 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