

Air Quality Pollutant Estimates Upper Columbia Basin Network

Park	Ozone				NADP			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	
Big Hole NB	92.4	69.9	1.5	3.4	6.8	0.37	0.68	6	35	
City of Rocks N RES	101.6	75.0	2.2	5.1	17.0	0.55	1.31	5	24	
Craters of the Moon NHP	92.0	70.4	1.4	3.3	7.0	0.47	1.17	5	26	
Hagerman Fossil Beds NM	98.4	73.5	2.0	4.5	12.7	0.42	1.04	4	26	
John Day Fossil Beds NM	93.8	65.4	2.3	3.0	5.3	0.64	0.79	5	43	
Nez Perce NHP	85.2	62.7	1.1	1.5	4.0	0.33	0.63	7	41	
Whitman Mission NHS	88.9	62.5	1.4	2.0	3.5	0.44	0.66	6	45	

Class: refers to an area's designation under the Clean Air Act

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 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

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

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