

Southwest Oregon Wildfire Air Quality Summary Report
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Thursday, August 8, 2013

Yesterday, surface winds from the north brought elevated levels of smoke into the Ashland area, while the Rogue River Valley closer to the Big Windy Complex (Grants Pass, Glendale and Merlin) saw levels in the Very Unhealthy to Hazardous categories early to mid-afternoon. Fortunately, some rainfall with associated breezy conditions cleared out the valley considerably in the evening. Daily average concentrations of fine particulate matter (PM2.5) from yesterday, August 7, are shown below with the corresponding level of health concern.

Values from Wednesday, August 7, 2013

Site	24-hour PM2.5 (µg/m ³)	1-hour Max PM2.5	Level of Health Concern	Meaning	Actions to Protect Yourself
Roseburg	7	7	Good	Air quality is satisfactory and poses little or no health risk	None
Crater Lake Klamath Falls Cave Junction	13 24 24	27 94 79	Moderate	Air quality is acceptable for most. There may be a moderate health concern for a very small very sensitive people.	Unusually sensitive people should consider reducing prolonged or heavy outdoor exertion.
			Unhealthy for Sensitive Groups	Members of sensitive groups may experience health effects. The general public is not likely to be affected.	People with heart or lung disease, children and adults should reduce prolonged or heavy outdoor exertion. Everyone one else, should limit prolonged or heavy exertion.
Shady Cove Ashland Provolt Medford	68 105 115 118	182 216 308 219	Unhealthy	Everyone may begin to experience more serious health effects.	The following groups should avoid all physical outdoor activity: People with heart or lung disease, children and older adults. Everyone else should avoid prolonged or heavy exertion.
Grants Pass Glendale	159 174	428 605	Very Unhealthy	Triggers a health alert, meaning everyone may experience more serious health effects	Everyone should avoid any outdoor exertion; people with respiratory or heart disease, the elderly and children should remain indoors.
Merlin	256	942	Hazardous	Everyone may begin to experience more serious health effects.	The following groups should avoid all physical outdoor activity: People with heart or lung disease, children and older adults. Everyone else should avoid prolonged or heavy exertion.

Air Quality Forecast: The extreme peaks in the hazardous levels seen yesterday are not expected today, although the Medford–Ashland corridor is already experiencing unhealthy levels this morning (Thursday). Smoke is again expected to drift south throughout the day, although showers and storms with associated breezy conditions could help clear the basins locally somewhat in the late afternoon and evening hours. These same conditions may lead to additional fire activity and could increase the amount of smoke being generated from the fires. Tomorrow, similar conditions are expected, moving smoke from the fire areas toward the south, keeping areas to the north and east in generally good to moderate levels.

For more information visit www.oregonsmoke.blogspot.com

For hourly information on air quality conditions in Oregon visit <http://www.deq.state.or.us/aqi/index.aspx>