

Southwest Oregon Wildfire Air Quality Summary Report
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Tuesday, August 13, 2013

Air quality levels in SW Oregon continued to be Good to Moderate to start the week. A significant amount of smoke is visible aloft due to very active fires in northern California, as well as some morning smoke in many of the river valleys, especially this morning in the Umpqua River valley above Tiller.

Average concentrations of fine particulate matter (PM2.5) from yesterday, August 12 (midnight-midnight) are shown below with the corresponding level of health concern.

Values from Monday, August 12, 2013

Site	24-hour PM2.5 (µg/m ³)	1-hour Max PM2.5	Level of Health Concern	Meaning	Actions to Protect Yourself
Roseburg	8	9	Good	Air quality is satisfactory and poses little or no health risk	None
Chiloquin	8	15			
Merlin	10	35			
Cave Junction	11	19			
Ashland	12	22			
Provolt	13	23	Moderate	Air quality is acceptable for most. There may be a moderate health concern for a small number of people.	Unusually sensitive people should consider reducing prolonged or heavy outdoor exertion.
Grants Pass	14	23			
Klamath Falls	15	27			
Medford	17	21			
Shady Cove	18	30			
Crater Lake	19	39			
Glendale	22	60			
			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 else, should limit prolonged or heavy exertion.
			Unhealthy		
			Very Unhealthy		
			Hazardous		

Air Quality Forecast: As local conditions warm and dry out Tuesday afternoon and Wednesday, limited burnouts may be conducted at each of the SW Oregon fire complexes (Big Windy, Douglas, and Whiskey). During these periods, new smoke plumes will be visible in the area and air quality is expected to degrade, although nothing as bad as we experienced last week. Afternoon winds will tend to be from the northwest at the surface and southwest aloft. This will result in locally generated low level smoke drifting southeastward while smoke at higher levels will head to the northeast. Again, expect evening and late night smoke to pool in the river valleys, drifting slowly downriver until mid-morning, when the flow will reverse with smoke moving upriver resulting in poor air quality in areas previously clear for a few hours until around noon as warmer temperatures help with dispersion.

For more information visit www.oregonsmoke.blogspot.com

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