

Southwest Oregon Wildfire Air Quality Summary Report
Prepared by Rick Graw USDA Forest Service

Tuesday, August 6 2013

Yesterday, air quality reached the unhealthy levels at most location. Glendale continued to experience the worst air quality in the region. Roseburg continued to have good air quality, and the new monitor in Ashland observing moderate conditions. Crater Lake and Medford had air quality in the “unhealthy for sensitive individuals” category.

Yesterday’s Air Quality Data – August 5, 2013

Site	24-hr Average PM2.5 (µg/m ³)	1-hour Max PM2.5 (µg/m ³)	Level of Health Concern	Meaning	Actions to Protect Yourself
Roseburg	10	11	Good	Air quality is satisfactory and poses little or no health risk	None
Ashland	28*	46	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.
Crater Lake National Park	39	147	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
Medford	42	76			
Provolt	60	109	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.
Merlin	68	148			
Shady Cove	69	174			
Klamath Falls	71	140			
Cave Junction	73	125			
Grants Pass	79	121			
Glendale	226	900	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.

*Ashland monitor began operating at 1500 local time on August 5, 2013. Value is an average of data for 1500-Midnight.

Air Quality Forecast: Today, a finger of light smoke is expected to move west from the Douglas and Big Windy Fires, over the coast, between Humbug Mountain State Park and Gold Beach, and curl back, eventually bringing light smoke into Brookings. Inland, air quality patterns will be similar to yesterday. Peak periods of dense smoke will be experienced in the morning in Provolt, Medford, Grants Pass, and Klamath Fall. Glendale and Cave Junction will experience peak concentrations just before the inversion breaks, typically around noon. Merlin and Crater Lake will experience peak concentrations in the early evening. Shady Cove will experience peak concentration in the afternoon.

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>