

Smoke Synopsis:

Yesterday: Widespread smoke impacts remained in SW Oregon as AQ remained mostly at Moderate levels. Shady Cove and Tiller areas continue to be impacted by smoke from the Stouts Creek fire. Crescent Fire continues to be the leading smoke producer for SW Oregon with contributions from Collier Butte and Stouts. Willamette Valley areas including Roseburg and Eugene area also at Moderate levels yesterday.

Today: Smoke dispersion will be better than yesterday as westerly winds dominant. Changing wind direction is expected to dilute the smoke and prevent high level AQ impacts. There is a concern for increased fire growth and smoke production from planned burnouts. Areas near and downwind of wildfires may experience Unhealthy or USG AQ levels. Crescent Fire in Crater Lake NP is the major smoke producer. Upper transport winds will start with a SW flow shifting to a Westerly flow. **Crater Lake NP is being impacted by Crescent Fire, part of National Creek Complex. Check NPS webcams for status. <http://www.nps.gov/crla/learn/photosmultimedia/webcams.htm>**

Tomorrow: Meteorology indicates potential for more tranquil winds as the North flow dominates. Generalized soupy smoke conditions continue with possible elevated AQ levels in Klamath Falls, Shady Grove and Prospect. Surface and upper air wind speeds will not be as strong and smoke accumulations will not clear out quickly.

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Air Quality Outlook:

Location	Yesterday August 13 th	Today August 14 th	Tomorrow August 15 th	Comments
Cave Junction	Moderate	Moderate	Moderate	
Grants Pass	Moderate	Moderate	Moderate	
Klamath Falls	Good	Good	USG	Crescent fire smoke expected to turn south tomorrow
Medford	Moderate	Moderate	Moderate	
Provolt	Moderate	Moderate	Moderate	
Shady Cove	USG	Moderate	USG	Crescent fire smoke expected to turn south tomorrow
Eagle Point 19	Moderate	Moderate	Moderate	
Jacksonville 215	Moderate	Moderate	Moderate	
Ashland 84	Moderate	Moderate	Moderate	
Tiller 23	Unhealthy	USG	USG	Proximity to Stouts Creek fire increases possibility of impacts
Prospect 16	Moderate	Moderate	Unhealthy	Crescent fire smoke expected to turn south tomorrow

Disclaimer: Air quality predictions reflect only fine particulate matter (PM2.5). Sensitive individuals including people with asthma or heart disease, infants, children, pregnant women and older adults should take precautions to avoid exposure to smoke. If you experience health effects from smoke, contact your doctor or health professional.

AQI Category (PM2.5 µg/m3)	Potential Health Impacts	Actions to Protect Yourself
Good (0-12)	Little or no health risk	None
Moderate (13-35)	Air quality is acceptable for most. There may be moderate health concern for a small number of sensitive people.	Unusually sensitive people should consider reducing prolonged or heavy outdoor exertion.
Unhealthy for Sensitive Groups – USG (36-55)	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 older adults should reduce prolonged or heavy outdoor exertion. Everyone else should limit prolonged or heavy exertion.
Unhealthy (56-150)	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.
Very Unhealthy (151-250)	Triggers a health alert, 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.
Hazardous (>250)	The entire population is even more likely to be affected by serious health effects.	The following groups should remain indoors and keep activity levels low: People with heart or lung disease; children and older adults. Everyone else should avoid prolonged or heavy exertion

- Learn more at:
- a) Oregon Smoke Blog <http://oregonsmoke.blogspot.com>
 - b) AirNow <http://airnow.gov> and http://airnow.gov/index.cfm?action=topics.smoke_wildfires
 - c) Oregon DEQ Air monitoring <http://www.deq.state.or.us/aqi/index.aspx>