

Smoke Synopsis:

Yesterday: Early in the day, SW Oregon experienced elevated smoke levels ranging from high moderate to Unhealthy. Air quality improved as wind direction shifted and wind speeds increased. Burnouts continued at the Crescent, Stouts Creek, and Collier Butte Fires contributing to impacts. Stagnant conditions broke in the afternoon although areas downwind of fires continued to be affected by smoke. Those areas not in the path of the smoke plumes improved considerably.

Today: The passing of a dry cold front scoured much of the smoke out of the valleys in Southwest Oregon. This brought a general improvement to air quality. Winds will remain mostly northwesterly. Locations directly downwind from fires will see continued smoke impacts as the wind will move smoke across those areas. Burnouts are planned on the Crescent Fire and Collier Butte fires if weather and fuel conditions permit. **Crater Lake NP continues to be impacted by Crescent Fire due its proximity to the Crescent Fire and predicted winds. Smoke conditions can be seen by viewing the NPS webcams for air quality status.** <http://www.nps.gov/crla/learn/photosmultimedia/webcams.htm>

Tomorrow: Smoke Impacts and associated air quality will be similar to today. **Areas immediately downwind of fires will be most affected by smoke.**

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Air Quality Outlook:

Location	Yesterday 8/18/2015	Today 8/19/2015	Tomorrow 8/20/2015	Comments
Cave Junction	Moderate	Moderate	Moderate	
Grants Pass	Moderate	Good	Good	
Klamath Falls	USG	Moderate	Moderate	
Medford	Moderate	Moderate	Moderate	
Provolt	Moderate	Moderate	Moderate	
Shady Cove	USG	USG	USG	
Eagle Point 19	USG	USG	USG	
Jacksonville 215	Moderate	Good	Moderate	Jacksonville station has been shutdown, Modeled data only after today
Ashland 84	USG	Moderate	Moderate	
Tiller 23	No Data	Moderate	Moderate	Modeled data only
Prospect 16	No Data	Moderate	USG	Modeled data only
Agness	No Data	Good	Good	Modeled data only
Gold Beach	No Data	Good	Good	Modeled data only
Brookings	No Data	Good	Moderate	Modeled data only

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>