

Smoke Synopsis:

Yesterday: Once again the smoke impacts across SW Oregon but did not exceed Moderate levels at any monitors. Crescent and Collier Butte fires are equally the leading smoke producers in SW Oregon with contributions from Stout.

Today: Light wind speeds (<5mph) continue. With no firm directional flow, smoke plumes movement will be dictated by terrain and convective heating. Best Air Quality will be from 1 pm to 6 pm. Collier Butte's smoke still maintains a steady northerly wind, pushing smoke South. Crescent and Stout Fires display more variability in plume directional spread. Thus creating opportunity for local smoke pooling and thus soupy conditions. This is why Eagle Point & Tiller are projected to experience the poorest air quality. Burnouts continue as weather and fuel conditions permit. Smoke dispersion in the Hwy 199, 99, & I-5 horseshoe is dependent on your location and shape of terrain. **Crater Lake NP continues to be impacted by Crescent Fire. Smoke conditions can be seen by viewing the NPS webcams for air quality status.**
<http://www.nps.gov/crla/learn/photosmultimedia/webcams.htm>

Tomorrow: Stagnating conditions and low wind speeds will promote deteriorating air quality in areas in close proximity to fire activity. This is seen for Shady Grove, Prospect, Tiller and Agness.

Prepared by Air Resource Advisors: Gary Curcio (252-624-7635, gary.curcio@gmail.com), Janice Peterson (206-484-4353, jlpeterson@fs.fed.us) and Michael McGown (208-994-1316, mcgown.michael@epa.gov)

Air Quality Outlook:

Location	Yesterday August 16 th	Today August 17 th	Tomorrow August 18 th	Comments
Cave Junction	Good	Good	Good	
Grants Pass	Good	Good	Moderate	
Klamath Falls	Good	Good	Moderate	Potential impact from Stout & Crescent Fire burnouts
Medford	Moderate	Moderate	Moderate	Potential impact from Stout & Crescent Fire burnouts
Provolt	Good	Good	Good	
Shady Cove	Moderate	Moderate	USG	Potential impact from Stout & Crescent Fire burnouts
Eagle Point 19	USG	USG	Moderate	Potential impact from Stout & Crescent Fire burnouts
Jacksonville 215	Good	Good	Moderate	Potential impact from Stout & Crescent Fire burnouts
Ashland 84	Moderate	Moderate	Moderate	Potential impact from Stout & Crescent Fire burnouts
Tiller 23	Tiller	USG	USG	North wind flow should help improve air quality
Prospect	No data	Moderate	Unhealthy	Potential impact from Crescent Fire burnout. No monitor present
Agness	No data	Good	USG	Added for & impacted by Collier Butte, modeled data only
Gold Beach	No data	Good	Moderate	Added for & impacted by Collier Butte, modeled data only
Brookings	No data	Moderate	Moderate	Added for & impacted by Collier butte, modeled data only

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>