

Smoke Synopsis:

Yesterday: Widespread light smoke impacts across SW Oregon but did not exceed Moderate levels at any monitors. Crescent Fire continues to be the leading smoke producer in SW Oregon with contributions from Collier Butte and Stouts.

Today: Light wind speeds (<5mph) are expected today and tomorrow. There will be a sense of directional flow missing for smoke plumes. Therefore, smoke plumes will be influenced by terrain and convective heating. The exception will be Collier Butte. Its smoke will experience a northerly wind pushing smoke south while the Crescent and Stout Fires will display more variability in plume directional spread. This creates the opportunity for local smoke pooling and thus soupy conditions for next two days. Burnouts will continue as weather and fuel conditions permit. Smoke dispersion will depend on your location and shape of terrain. Tiller is expected to be Unhealthy for Sensitive Groups, Shady Cove and Prospect areas are projected at Moderate levels, while the rest of SW Oregon is projected at Good Level. **Crater Lake NP is being impacted by Crescent Fire smoke at times, part of National Creek Complex. Check NPS webcams for air quality status.** <http://www.nps.gov/crla/learn/photosmultimedia/webcams.htm>

Tomorrow: Stagnating conditions and low wind speeds will lead deteriorating air quality particularly in areas in closer proximity to fire activity.

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

Air Quality Outlook:

| Location | Yesterday August 15 th | Today August 16 th | Tomorrow August 17 th | Comments |
|------------------|-----------------------------------|-------------------------------|----------------------------------|--|
| Cave Junction | Good | Good | Good | |
| Grants Pass | Good | Good | Good | |
| Klamath Falls | Moderate | Moderate | Moderate | Potential impact from Stout & Crescent Fire burnouts |
| Medford | Moderate | Good | 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 | Moderate | Moderate | 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 | Good | USG | USG | North wind flow should help improve air quality |
| Prospect 16 | No data | Moderate | Unhealthy | Potential impact from Crescent Fire burnout, Station 16 is demobed & sent back for service |

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.asp>