

Smoke Synopsis:

Yesterday: SW Oregon experienced elevated smoke levels ranging from high moderate to Unhealthy. Burnouts at the Crescent, Stouts Creek, and Collier Butte Fires contributed to impacts. Stagnant conditions allowed background smoke from other fires in the region and residual smoke from previous days to also contribute to yesterday's smoke levels.

Today: Smoke impacts remained significant throughout the morning hours, however, a change in the weather will result in the scouring of existing smoke in many areas as the day progresses. This will bring general improvement to air quality. Winds will increase and become 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: Improvement in air quality continues except in areas that are directly downwind from fire activity. As the surface high pressure moves to the east, there will be improved dispersion of smoke with a change in wind direction and increased wind speed. **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 | Moderate | Moderate | USG | |
| Medford | USG | Moderate | Good | |
| Provolt | Moderate | Moderate | Moderate | |
| Shady Cove | USG | Moderate | USG | |
| Eagle Point 19 | Unhealthy | Moderate | Moderate | |
| Jacksonville 215 | Moderate | Good | Good | Jacksonville station will be shut down and reassigned to maintenance |
| Ashland 84 | USG | Moderate | Moderate | |
| Tiller 23 | Unhealthy | USG | Moderate | Modeled data only, Tiller station has been reassigned to maintenance |
| Prospect 16 | No Data | USG | 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. |

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| 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 |
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- 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>