

**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 was leading smoke producer for SW Oregon with additional contributions from Collier Butte and Stouts. Roseburg, and Eugene area also at Moderate.  
**Today:** Smoke dispersion will be better than it was yesterday as wind speeds increase. Winds are expected to dilute the smoke and prevent high level AQ impacts although a lot of smoke remains in the area. However, Red Flag (winds & RH) conditions are forecasted east of the Cascades. There is a concern for increased fire growth and subsequent increased smoke production. Areas near and downwind of wildfires may experience Unhealthy or USG AQ levels. This includes Shady Cove and Prospect. Crescent Fire in Crater Lake NP is expected to be the major smoke producer with continuing contributions from Collier Butte and Stout. Upper transport winds will continue to be dominant from the NW west of the Cascades with S/SE flow east of the Cascades. **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 and generalized soupy smoke conditions. 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 12 <sup>th</sup> | Today August 13 <sup>th</sup> | Tomorrow August 14 <sup>th</sup> | Comments  |
|------------------|-----------------------------------|-------------------------------|----------------------------------|---|
| Cave Junction    | Moderate                          | Moderate                      | Good                             |   |
| Grants Pass      | Moderate                          | Moderate                      | Moderate                         |   |
| Klamath Falls    | Good                              | Good                          | Moderate                         |   |
| Medford          | Moderate                          | Moderate                      | Moderate                         |   |
| Provolt          | Moderate                          | Moderate                      | Moderate                         |   |
| Shady Cove       | Moderate                          | USG                           | USG                              | Stout Fire with NW flow is expected to impact Shady Grove area  |
| Eagle Point 19   | Moderate                          | Moderate                      | Moderate                         |   |
| Jacksonville 215 | Moderate                          | Moderate                      | Moderate                         |   |
| Ashland 84       | Moderate                          | Moderate                      | Moderate                         |   |
| Tiller 23        | USG                               | USG                           | USG                              | Stout's Cr. Fire causing periods of dense smoke at times in area of Milo, Tiller, and Drew. Slight wind shifts cause Unhealthy air. |
| Prospect 16      | Moderate                          | USG                           | USG                              | Stout Fire with NW flow is expected to impact Prospect.   |

*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](http://airnow.gov/index.cfm?action=topics.smoke_wildfires)
  - c) Oregon DEQ Air monitoring <http://www.deq.state.or.us/aqi/index.aspx>