

## Central OR & JDICC Wildfire Air Quality Summary Report

Prepared for August 11, 2014,

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### Air Quality Outlook

**Yesterday** saw active fire behavior in the South Fork Complex fire. Smoke lingered the nearby valley communities including John Day, Dayville, and Prairie City.

**Today's** southeast winds will push the northwest perimeter of the South Fork Complex fire into unburned timbered fuels creating additional smoke throughout the day. While a light morning inversion will lift late this morning, light to moderate smokey conditions are likely to persist off and on in nearby communities throughout the day (including John Day, Dayville, Prairie City, Paulina and Mitchell). Smokey conditions in Burns will lift by late morning/early afternoon. Smoke may settle back into Burns tonight. The potential for thunderstorms to pass over the area may result in local wind gusts that could result in greater fire activity this afternoon and additional smoke.

**Tomorrow** will see similar air quality conditions in communities around the South Fork Complex fire. Winds will shift and come from the southwest affecting nearby downwind communities throughout the day (including John Day, Dayville, Prairie City, Seneca and Unity). Burns will once again see smoke impacts in the morning, clearing by early afternoon. Smoke from Northern CA fires could drift into the Deschutes River valley communities including Bend, Madras, Prineville, Redmond and Sisters. Paulina and Mitchell may also see smoke effects from the Northern CA fires.

Site	August 10 AQI	August 11 AQI	August 12 AQI	Remarks
Bend	Good	Good	Good	Smoke may drift in from N.Calif fires
Burns	Good	Good	Good	Smoke mostly in mornings, lifting by afternoon
Dayville	No data	Moderate	Moderate	Smokey off and on through Tuesday
Madras	Good	Good	Moderate	Smoke may drift in from N.Calif fires
John Day	Moderate	Moderate	Moderate	Smoke impacts mostly over night and morning
Paulina	No data	Moderate	Moderate	Smokey off and on through Tuesday
Prairie City	No data	Moderate	Moderate	Smokey off and on through Tuesday
Prineville	Good	Good	Moderate	Smoke may drift in from N.Calif fires
Seneca	Good (est)	Good	Moderate	Smokey off and on through Tuesday
Sisters	Good	Good	Moderate	Smoke may drift in from N.Calif fires
Unity	No data	Good	Moderate	Smoke will be noticeable beginning mid to late Tues.

**PLEASE NOTE:** The air quality outlook is based on data from automated instruments that have not been subjected to a quality assurance review to determine their accuracy. AQI's estimated for sites with USFS air monitors.

Air Quality Index	Potential Health Impacts	Actions to Reduce Smoke Exposure
Good	Air quality is satisfactory and poses little or no health risk	None
Moderate	Air quality is acceptable for most. There may be moderate health concern for a very small number of individuals.	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 for Sensitive Groups	Members of sensitive groups may experience health effects. The general public is not likely to be affected.	People with heart or lung disease, children or older adults should reduce prolonged or heavy outdoor exertion. Everyone else should limit prolonged or heavy exertion.
Unhealthy	Everyone may begin to experience health effects. These effects may be more serious for sensitive people.	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	Triggers a health alert meaning 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	Triggers health warnings of emergency conditions. Everyone is very 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.

For more information visit [www.oregonsmoke.blogspot.com](http://www.oregonsmoke.blogspot.com)

Air Quality data can be viewed at: <http://www.deq.state.or.us/aqi/index.aspx>