

## Bulter Fire and Salmon River Complex-Air Quality Report

Monday, August 12, 2013

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### Yesterday, August 11, 2013

Smoke inversions broke early giving all areas at least a few hours of improved air quality. Most areas remained in the good to moderate range all day and into the evening. Increased fire activity caused afternoon smoke impacts in Sawyers Bar, Forks of Salmon, and Somes Bar. Air quality in Somes Bar improved by early evening, but remained in the unhealthy ranges through the night in Sawyers Bar and Forks of Salmon.

### Monday, August 12, 2013

Starting around 0900 smoke will begin to drift into Somes Bar, and the Orleans area. Between 1200 and 1300 hours, the PM concentrations in these areas will increase to the moderate level. There will be some clearing in Orleans by 1600 hours; Somes Bar will remain in the moderate AQI. Hoopa will see light haze most of the day, reaching the moderate levels only for an hour or two. Sawyers Bar and Forks of Salmon will be in the unhealthy range for most of the day and night. There is some clearing around 1600 to 1500 hours, but this is short lived and returns to the unhealthy levels. With forecast southwest transport winds, Etna, Fort Jones, and Yreka will see smoke increase throughout the day and into the early morning hours; AQI levels will be moderate by 1400 hours.

### Tuesday, August 13, 2013

Air quality from Somes Bar to Hoopa will become unhealthy for sensitive groups by 1200. Smoke in these areas will start to clear around 1600 hours, but will remain in the moderate range for Somes Bar and Orleans. Hoopa will remain in the moderate to good range. Air quality at Sawyers Bar and Forks of Salmon will once again be in unhealthy levels. Around 1600 hours, when smoke in the drainages will start to lift, the area will move into the unhealthy for sensitive levels, then return to unhealthy by 2100. Smoke levels will start to increase in Etna, Ft. Jones, and Yreka by late afternoon and early evening, reaching the moderate range by 1900 hours.

### Long-range outlook

Over the next couple of days south to south-west transport winds will help to keep the air quality in the moderate range. Toward the end of the week winds will weaken along with a decrease in atmospheric dispersion. So, by the end of this week and early next week smoke impacts will increase.

Follow the links in the following table to view real-time air quality monitoring data for each site.

Site	24-hour Average PM2.5 ( $\mu\text{g}/\text{m}^3$ )	3-hour Max PM2.5 ( $\mu\text{g}/\text{m}^3$ )	Level of Health Concern	Meaning	Actions to Protect Yourself	Forecast for Monday, Aug. 12, 2013
<a href="#">Crescent City</a> <a href="#">Gasquet</a> <a href="#">Happy Camp</a>	4 6 12	14 20 20	Good	Air quality is satisfactory and poses little or no health risk	None	<a href="#">Crescent City</a> <a href="#">Gasquet</a> <a href="#">Happy Camp</a>
<a href="#">Yreka</a> <a href="#">Ft. Jones</a> <a href="#">Hoopa</a> <a href="#">Somes Bar</a>	15 17 18 29	24 41 37 71	Moderate	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.	<a href="#">Yreka</a> <a href="#">Ft. Jones</a> <a href="#">Hoopa</a> Orleans
			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 and older adults should reduce prolonged or heavy outdoor exertion. Everyone else should limit prolonged or heavy exertion.	<a href="#">Somes Bar</a>
<a href="#">Sawyers Bar</a>	88	208	Unhealthy	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.	<a href="#">Sawyers Bar</a> Forks of Salmon

For more information visit:

[Siskiyou County Pollution Control District](#)

[North Coast Unified Air Quality Management District](#)

[Salmon River Complex Fire Information](#)

[Butler Fire/Orleans Complex Fire Information](#)