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Yesterday, August 18, 2013

Smoke production from the [Butler Fire](#) and [Corral Complex](#) increased slightly due to drier conditions associated with the northerly winds. Smoke from the [Salmon River Complex](#) remained low as crews near full containment. Happy Camp saw unexpectedly high smoke impacts in the unhealthy range during the evening, and Orleans reached unhealthy for sensitive groups in the afternoon. Ft. Jones and Etna were impacted by morning smoke in the unhealthy for sensitive groups range as well, but spent the rest of the day in the moderate range. Sawyers Bar and Forks of Salmon air quality remained in the very unhealthy range. All other areas had moderate to good air quality.

Monday, August 19, 2013

Smoke currently covers most of Northern California, from a light haze to severe impacts. Smoke from fires in Oregon will again have light impacts on the coastal region. Communities south of the fires—Weitchpec, Hoopa, Willow Creek, Cecilville, The Cedars, Burnt Ranch, Trinity Center, and Clair Eagle lake—will have smoke impacts ranging from light haze, to moderate levels, usually only for a short period then clearing. Smoke in Etna, Ft. Jones and Yreka will peak in the moderate range. Sawyers Bar and Forks of Salmon will again see the highest PM2.5 concentration levels in the very unhealthy to hazardous levels during the night. Smoke will drain into the South Fork of the Salmon, affecting Cecilville, Callahan, and Petersburg with air quality in the moderate range. Somes Bar and Orleans will see moderate smoke impacts with some clearing during the day. Happy Camp may again see higher impacts in the late evening.

Tuesday, August 20, 2013

North to northeast winds will continue transporting smoke to the south. Light smoke from the Oregon fires will reach the northwest coast of California; however, PM concentrations during the day will be light. Late night into the early morning could see an hour or two in the moderate range. Air quality levels in Sawyers Bar and Forks of Salmon will peak in the very unhealthy range, but during the day, smoke will lift and flow south, improving air quality slightly. Air Quality in Willow Creek, Hoopa and Weitchpec hovers between moderate and unhealthy for sensitive groups due to the north-northeast winds. Smoke from the Butler fire will continue to drain down New River towards communities in the Trinity River drainage with moderate smoke impacts for short periods throughout the day. Orleans and Somes Bar air quality will hover in the moderate range. Happy Camp should see air quality in the good range with an hour or two of moderate. Etna, Ft Jones and Yreka's air quality improves slightly, but late afternoon air quality may reach the moderate range.

Long-range outlook

The cut off low continues to spin off the coast of Monterey bringing moisture along the Sierra crest. The low starts to move onshore Tuesday or Wednesday, moving northward on Thursday, increasing the chance for thundershowers and more lightning. After the low moves through the area, the winds will shift to the west to southwest. The increased moisture may help to reduce fire spread, reducing smoke production.

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. 19, 2013
Crescent City Gasquet	8 10	21 21	Good	Air quality is satisfactory and poses little or no health risk	None	Crescent City Gasquet
Yreka Hoopa Somes Bar Willow Creek Weitchpec	28 22 29 23	45 70 81 66	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.	Yreka Ft. Jones , Etna Willow Creek Somes Bar Weitchpec Orleans Hoopa Cecilville
Ft. Jones Orleans	37 37	63 90	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 limit prolonged or heavy outdoor exertion.	Happy Camp
Happy Camp	43	167	Unhealthy	Everyone may begin to experience more serious health effects.		
Sawyers Bar	126	404	Very Unhealthy	Significant aggravation of heart and lung disease. 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.	Sawyers Bar Forks of Salmon