

Forecast conditions represent impacts from smoke from the Rough Fire wildfire. Contributions from ozone and other pollutants are not reflected.

Fire: The fire perimeter grew yesterday due to persistent warm temperatures and lower relative humidity. Smoke is being produced by interior burning and burnout operations along containment lines which are designed to stop the spread of the fire to the west. Estimated increase in acres is 134,000 acres, up approx. 6000 acres from yesterday - containment is 29%.

Air Quality Today: Heavy concentrations of smoke are expected near the fire and to the west foothills today. Smoke will be slow to lift and transport will be primarily terrain and diurnally driven. Limited ventilation is forecast for today with continued increased impacts expected in the San Joaquin Valley west and northwest of fire. Unhealthy to Hazardous conditions are expected in the foothill communities west and northwest of the fire, but improving in the evening. Conditions begin to worsen in the Owens Valley as winds shift south-southwest in the afternoon.

Air Quality Tomorrow: A more south to southwest wind will begin to alleviate smoke impacts in the San Joaquin Valley. More smoke will impact the Owens valley.

Particulate Matter (PM 2.5) Impacts from the Rough fire

Site	Yesterday Observed Midnight-Midnight 24-Hr AQI September 12, 2015	Today Forecast 24-Hr AQI September 13, 2015	Tomorrow Outlook 24-Hr AQI September 14, 2015	Best Time of Day September 13 AQI and Period
Trimmer	USG	Unhealthy	USG	Best early evening
Prather	USG	Unhealthy	Moderate	Best early evening
Shaver Lake		USG	Moderate	Best in the evening
Oakhurst	Moderate	Moderate	Moderate	Best in the evening
Wishon Reservoir	Very Unhealthy	USG	Moderate	Best in the evening
Hume Lake	Hazardous	Unhealthy	Unhealthy	No significant improvement
Cedar Grove	No data	Unhealthy	USG	USG morning to mid afternoon
Grant Grove	No data	Hazardous	USG	Late afternoon to early evening
Dunlap/Squaw Val.	USG	Unhealthy	Moderate	Late afternoon to mid-evening
Mammoth Lakes	Moderate	Good	Good	Best before late afternoon
Aspendell	USG	Moderate	USG	Best before noon
Bishop	Moderate	Moderate	USG	Before early afternoon
Big Pine		Moderate	USG	Before early afternoon
Independence		Moderate	USG	Before early afternoon
Pinehurst	Unhealthy	Unhealthy	Moderate	Late afternoon to early evening
Montecito-Sequoia Lodge	Very Unhealthy	Unhealthy	USG	Early through late evening
Lodgepole	USG	Good	Good	Early through late evening
Three Rivers	USG	Moderate	Good	Early through late evening
Ash Mountain	USG	Moderate	Good	Early through late evening
Kernville	Moderate	Good	Good	Good

Disclaimer: Conditions may change quickly, these projections are based on anticipated weather and fire activity. Sensitive groups including individuals with Asthma, lung or heart disease, children, older adults, and pregnant women should take precautions to avoid exposure to smoke. If you feel as though you are having health effects from smoke see your doctor or health professional as needed. In some cases your eyes are your best tools, if it is smoky outside you are being impacted. Use caution when driving in or around smoky areas.

AQI Index	Actions to Protect Yourself
Good	None
Moderate	Unusually sensitive people should consider reducing prolonged or heavy outdoor exertion.
Unhealthy for Sensitive Groups - USG	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	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	Everyone should avoid any outdoor exertion; people with respiratory or heart disease, the elderly and children should remain indoors.
Hazardous	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

View of the fire: Buck Rock Web Camera #3, <http://rockyags.cr.usgs.gov/dashboards/WebCam.htm>

California Smoke Blog - <http://californiasmokeinfo.blogspot.com/>

San Joaquin Air Pollution Control District - <http://valleyair.org/wildfires.htm>

Interagency Real Time Smoke Monitoring - <http://app.airsis.com/usfs/fleet.aspx>

AirNow - <http://airnow.gov/index.cfm?action=airnow.main>