Air Quality Report
Rough Fire

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Forecast conditions represent impacts from smoke from the Rough Fire. 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 produced yesterday was from the continued burning of interior islands, uphill fire spread and burnout operations along containment lines Northwest of Grant Grove. The fire is at 128, 670 acres, up 11,000 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. Conditions improve in the Owens Valley.
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 northern portion of the Owens valley.

Particulate Matter (PM 2.5) Impacts from the Rough fire

Site	Yesterday Observed Midnight-Midnight 24-Hr AQI September 11, 2015	Today Forecast 24-Hr AQI September 12, 2015	Tomorrow Outlook 24-Hr AQI September 13, 2015	Best Time of Day September 12 AQI and Period
Trimmer	Unhealthy	USG	USG	Best early evening
Prather	USG	USG	Moderate	Best early evening
Shaver Lake		Moderate	Moderate	Best early evening
Oakhurst	Moderate	USG	Moderate	Best early to late afternoon
Wishon Reservoir	Moderate	Moderate	USG	Best early morning
Hume Lake	Very Unhealthy	Unhealthy	Hazardous	No significant improvement
Cedar Grove	No data	Unhealthy	Hazardous	Best conditions morning
Grant Grove	No data	Hazardous	Hazardous	No significant improvement
Dunlap/Squaw Val.	Very Unhealthy	Unhealthy	Unhealthy	Early to mid-evening
Mammoth Lakes	Moderate	Good	Moderate	Early morning through early afternoon
Aspendell	Moderate	Good	USG	Early morning through early afternoon
Bishop	Good	Good	USG	Early Morning through late afternoon
Big Pine		Good	Moderate	No significant difference
Independence		Good	Good	No significant difference
Pinehurst	Very Unhealthy	Very Unhealthy	Hazardous	Moderate late morning into afternoon
Montecito-Sequoia Lodge	Very Unhealthy	USG	Unhealthy	Early to late afternoon
Lodgepole	USG	Good	USG	late morning to mid afternoon
Three Rivers	Moderate	Moderate	Unhealthy	Early to late evening
Ash Mountain	Moderate	Moderate	Unhealthy	Early to late evening
Kernville	Good	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