

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

Fire: Fire activity increased yesterday with warmer temperatures and lower relative humidity. Smoke produced was from the continued burning of interior islands and uphill and westerly fire spread in the Kings Canyon . The fire grew to 115, 254 acres, up 11,000 acres from yesterday. 29% of the fire is contained.

Air Quality Today: Heavy concentrations of smoke are expected near the fire, and to the west in the 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, southwest, and north of fire. Residual smoke that has not cleared the area will add to impacts from new smoke being produced. Unhealthy to Hazardous conditions are expected in communities near the fire. Improving conditions for the Owens Valley.

Air Quality Tomorrow: Lower elevations impacts are intensified by poor ventilation west of the incident.

Particulate Matter (PM 2.5) Impacts from the Rough fire

Site	Yesterday Observed Midnight-Midnight 24-Hr AQI September 10, 2015	Today Forecast 24-Hr AQI September 11, 2015	Tomorrow Outlook 24-Hr AQI September 12, 2015	Best Time of Day September 11 AQI and Period
Trimmer	USG	Unhealthy	USG	Best early evening
Prather	USG	USG	USG	Best early evening
Shaver Lake		Moderate	USG	Best early evening
Oakhurst	Moderate	USG	USG	Best early to late afternoon
Wishon Reservoir	USG	Moderate	USG	Best early morning
Hume Lake	Very Unhealthy	Hazardous	Very Unhealthy	Better conditions morning
Cedar Grove	No data	Unhealthy	Very Unhealthy	Better conditions morning
Grant Grove	Unhealthy	Unhealthy	Very Unhealthy	Better conditions morning
Dunlap/Squaw Val.	Moderate	Unhealthy	Unhealthy	Moderate mid afternoon
Mammoth Lakes	Moderate	Good	Moderate	Early morning through later afternoon
Aspendell	USG	Good	Moderate	Early morning through later afternoon
Bishop	Good	Good	Moderate	Early Morning through early evening
Big Pine		Good	Moderate	Early Morning through early evening
Independence		Good	Moderate	Early Morning through early evening
Pinehurst	Unhealthy	Unhealthy	Unhealthy	Moderate late morning into afternoon
Montecito-Sequoia Lodge	Very Unhealthy	Unhealthy	Unhealthy	USG morning
Lodgepole	Moderate	Moderate	Unhealthy	late morning to mid afternoon
Three Rivers	Moderate	USG	Unhealthy	late morning to mid afternoon
Ash Mountain	Moderate	USG	USG	late morning to mid afternoon
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>