

**Fire Behavior Summary:** Drier conditions, heavy fuel loading and upslope winds may lead to aggressive fire activity this afternoon and remain active overnight.

**Smoke Summary:** Southeast winds will continue to push smoke from the active fires for most of the day, while marine flow may keep smoke up against the foothills. Tonight, smoke is expected to settle in the foothill and mountain communities.

**Other Notes:** Caldwell Fire is 90% contained. Adding Lone Pine monitoring site to the smoke forecast outlook.

**Air Quality Outlook (Smoke Related – PM2.5 only. Forecasts based on modeled smoke dispersion)**

**Sites with air quality monitors (based on Air Quality Index for each 24-hr day)**

Site	Yesterday	Today (9/5)	Tomorrow (9/6)	Smoke Notes for Today
Springville	USG	USG	USG	Smoke likely to linger all day with periods of <b>Unhealthy</b> air quality in the late morning
Porterville	Moderate	Moderate	USG	Monitor down until 9/5 - Use Visalia data to estimate impacts to Porterville
Visalia	Moderate	Moderate	Moderate	Less smoke impacts expected today.
Three Rivers	Moderate	Moderate	Moderate	Hazy conditions most of today
Ash Mtn	Moderate	Moderate	USG	Periods of <b>USG</b> midday and then again tonight
Giant Forest	Good	Moderate	USG	Periods of <b>USG</b> midday and then again tonight
Pinehurst	Moderate	Moderate	Moderate	Hazy conditions expected today
Manzanar	Good	Good	Good	Good air quality most of today
Lone Pine	Good	Good	Good	Good air quality most of today
Keeler	Good	Good	Good	Good air quality most of today
Olanca	Good	Good	Good	Good air quality most of today
Kennedy Mdws	Good	Good	Good	Good air quality most of today
Kernville	Good	Moderate	Moderate	Moderate to Good conditions throughout today

Disclaimer: Conditions may change quickly. These predictions are based on anticipated weather and fire activity.

**USG** – Unhealthy for Sensitive Groups

Check out these links for additional information on wildfire smoke and your health.

**Centers for Disease Control and Prevention: Protect Yourself from wildfire smoke**

<https://www.cdc.gov/features/wildfires/index.html>

**Real-time Air Quality Monitoring (Find the link “Fires: Current Conditions” to see a map).**

<https://tinyurl.com/yberjlfk>

**California Smoke Blog**

<http://californiasmokeinfo.blogspot.com>

**Real Time Air Quality (caution: data is raw and not representative for regulatory purposes)**

<https://app.airsis.com/USFS/UnitMap>

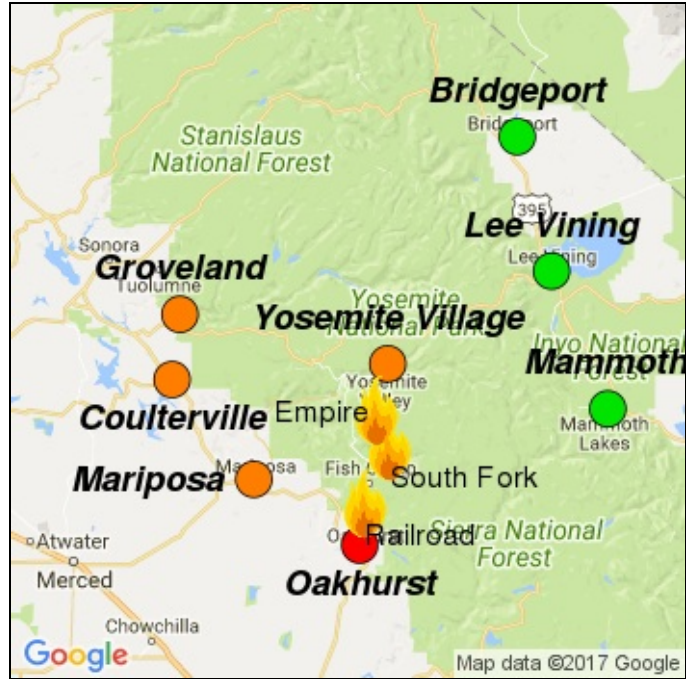
## Outlook for Valley to Valley

**Smoke:** Due to continued high pressure and stagnation, dense morning smoke continues in the areas west and northwest of the Railroad Fire. With the exception of Mammoth, the east side of the Sierra Crest has been relatively clear of smoke. There will be less cloud cover this morning, which should help the smoke lift out by afternoon/evening. Winds are turning less easterly and more southerly, which should improve conditions in the foothill areas tonight. Thunderstorms are again in the forecast.

**Fire:** Yesterday there was more cloud cover and humidity, which reduced fire activity and smoke emissions significantly on the Railroad fire. The South Fork and Empire Fires had little to no significant growth. Today will be sunnier and thunderstorms are still in the forecast, so some of yesterday's smoke will clear, but fire activity and smoke production may increase again.

**Other:** Dense smoke for short periods can aggravate symptoms for sensitive persons without changing 24-hr AQI levels. Note: AQ forecasts below reflect only particulate matter - not ozone.

## Daily AQI Forecast for Sep 05, 2017



Station	Yesterday hourly	Mon 9/04	Forecast Comment for Today -- Tue, Sep 05	Tue 9/05	Wed 9/06
Bridgeport			Likely good all day		
Lee Vining			Likely good all day		
Mammoth Lakes			Morning & evening smoke possible; otherwise good		
Yosemite Village			Morning smoke; evening clearing		
Groveland			Morning & noontime smoke; improved evening clearing		
Mariposa			Morning & evening smoke; improved afternoon clearing		
Oakhurst			Dense morning & evening smoke still possible; improved afternoon clearing		
Coulterville			Morning & noontime smoke; clearing evening		

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Air Quality Index (AQI)	Actions to Protect Yourself
Good	None
Moderate	Unusually sensitive individuals should consider limiting prolonged or heavy exertion.
USG	People within Sensitive Groups* should <b>reduce</b> prolonged or heavy outdoor exertion.
Unhealthy	People within Sensitive Groups* should <b>avoid all</b> physical outdoor activity.
Very Unhealthy	Everyone should avoid prolonged or heavy exertion.
Hazardous	Everyone should avoid any outdoor activity.

**Disclaimer:** Forecasts may be wrong; use at own risk. Use caution as conditions can change quickly. See your health professional as needed. Smoke sensitive groups should take appropriate precautions.

### Additional Links

California Smoke Blog  
[\(http://californiasmokeinfo.blogspot.com/\)](http://californiasmokeinfo.blogspot.com/)

Airnow Smoke and Wildfire viewer  
[https://airnow.gov/index.cfm?action=topics.smoke\\_wildfires](https://airnow.gov/index.cfm?action=topics.smoke_wildfires)

Yosemite Air Quality and Webcams  
<https://www.nps.gov/yose/learn/nature/aqmonitoring.htm>

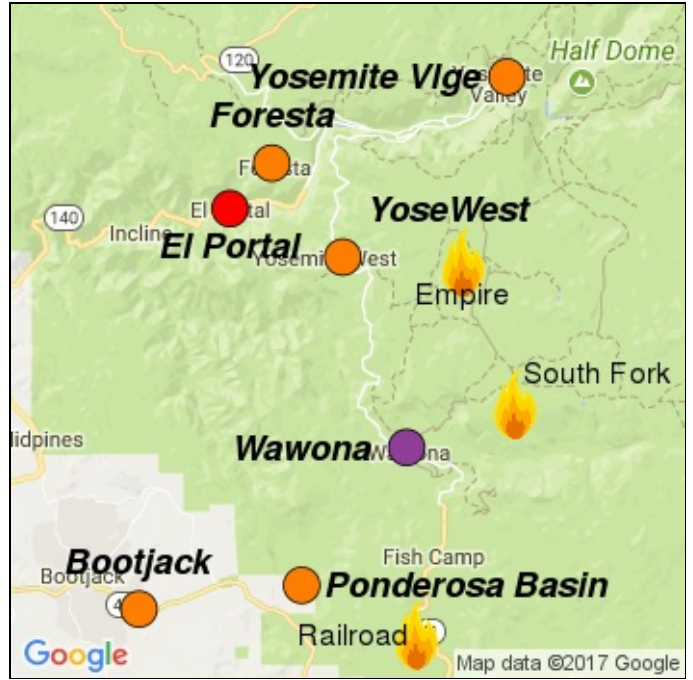
## Outlook for Yosemite NP

**Smoke:** Due to continued high pressure and stagnation, dense morning smoke continues in the areas west and northwest of the Railroad Fire. There will be less cloud cover this morning, which should help the smoke lift out by afternoon/evening, especially in the Merced River canyon. Tonight, smoke will likely accumulate again in the places where it was dense this morning. Thunderstorms are again in the forecast.

**Fire:** Yesterday, there was more cloud cover and humidity, which reduced fire activity and smoke emissions significantly on the Railroad Fire. The South Fork and Empire Fires had little to no significant growth. Today will be sunnier and thunderstorms are still in the forecast, so some of yesterday's smoke will clear, but fire activity and smoke production may increase again.

**Other:** Dense smoke for short periods can aggravate symptoms for sensitive persons without changing 24-hr AQI levels. Note: AQ forecasts below reflect only particulate matter - not ozone.

## Daily AQI Forecast for Sep 05, 2017



Station	Yesterday hourly	Mon 9/04	Forecast Comment for Today -- Tue, Sep 05	Tue 9/05	Wed 9/06
Yosemite Village			Dense morning smoke; improved afternoon/evening clearing		
Yosemite West			Dense morning smoke; improved evening clearing		
Wawona			Dense morning smoke; some evening clearing		
Foresta			Variable morning & noontime smoke; improved evening clearing		
Tuolumne Meadows			Variable smoke all day; evening clearing		
Ponderosa Basin			Dense morning smoke; improved evening clearing		
El Portal			Dense morning & noontime smoke; improved evening clearing		
Bootjack			Dense morning smoke, improved afternoon clearing		

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[Yosemite Air Quality and Webcams \(https://www.nps.gov/yose/learn/nature/aqmonitoring.htm\)](https://www.nps.gov/yose/learn/nature/aqmonitoring.htm)

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