

## SMOKE IMPACTS FROM BONITA FIRE

Saturday, June 17, 2017 @ 3:00 p.m.

**Bonita Fire:** There was an increase in fire activity yesterday & today due to high temperatures and low humidity. The smoke layer we have seen over the past days will remain in place until a shift in the weather later tonight.

**Air Quality Today:** Hazardous air quality conditions can be expected overnight into the early hours of Sunday morning in the area of Vallecitos Canyon. A change in weather conditions will occur tonight into Sunday morning. Sunday, during the day, we will see an increase in wind speed, change in wind direction from the west/southwest to the east/northeast, and lower temperatures and higher relative humidity. This shift in weather conditions should help to reduce smoke production and the wind should help to mix, dilute and disperse the smoke into the atmosphere away from ground level. However, with cooler temperatures at night, nighttime inversions are still expected. Smoke will be transported in a southwesterly direction.

**Air Quality Tomorrow:** Air quality in the areas that have been affected by the Bonita Fire should experience some improvement with the cooler temperatures and the increase in relative humidity. Nighttime inversions in drainages closest to the fire are still possible.

### Particulate Matter (PM 2.5) Impacts from Bonita Fire

Monitor Site	Yesterday Observed Midnight-Midnight 24-Hr AQI June 16, 2017	Today Forecast 24-Hr AQI June 17, 2017	Tomorrow Outlook 24-Hr AQI June 18, 2017	Worst Time of Day Impacts
Vallecitos Canyon	Hazardous	Hazardous in the nighttime hours	Hazardous early morning	Hazardous during the nighttime & early morning hours when inversions are most likely to hold smoke at the ground level.
Tres Piedras	Moderate	Moderate	Moderate	n/a

**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 individuals should consider limiting prolonged or heavy exertion.
Unhealthy for Sensitive Groups - USG	People within Sensitive Groups* should <u>reduce</u> prolonged or heavy outdoor exertion. Everyone else may find relief by limiting prolonged or heavy outdoor exertion.
Unhealthy	People within Sensitive Groups* should <u>avoid all</u> physical outdoor activity. Everyone else should avoid prolonged or heavy outdoor exertion.
Very Unhealthy	Everyone should avoid prolonged or heavy exertion
Hazardous	Everyone should avoid any outdoor activity.

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Interagency Real Time Smoke Monitoring - <http://app.airsis.com/USFS/>