Air Quality Report **Issue Date: 6/26/2017**

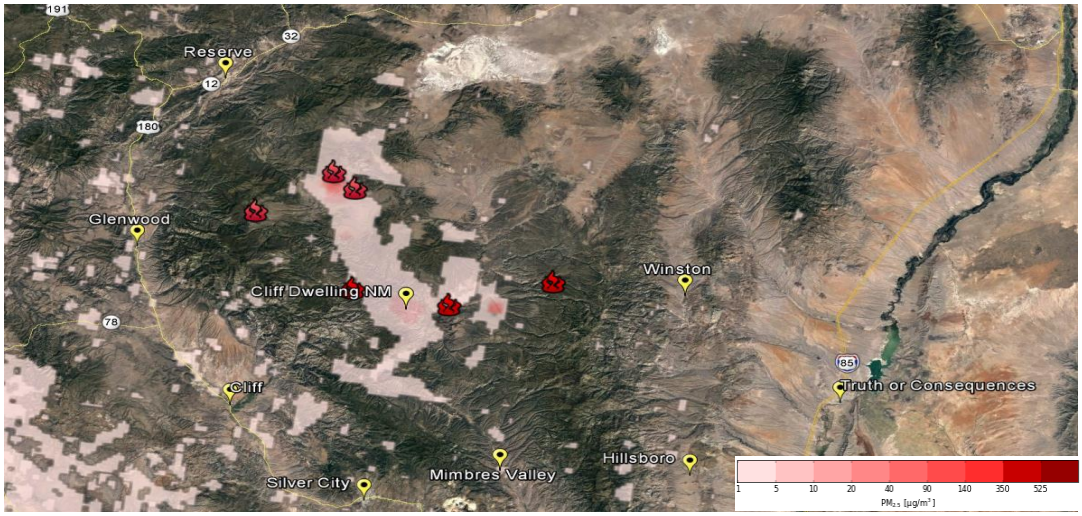
Gila National Forest, West of the Continental Divide **Prepared by: David Greathouse**

Forecast conditions represent impacts from smoke from the fires on the Gila National Forest. Contributions from ozone and other pollutants and impacts from other fires are not reflected.

Fire Status: Fire activity on all fires in the Gila National Forest has been low to moderate as it is expected in a fire adapted ecosystem. These fires are being managed for a variety of benefits. These include fuel reduction, reduce live wood density in Pinon-Juniper and to maintain the natural role of fire in the wilderness

Air Quality Summary: The terrain these fires are burning in is pretty complex. High elevation peaks and ridges are dissected by deep canyons. During the day, convective heat and instability allows for the smoke to rise up and away from the fire. At night however, when the air temperature cools, this allows the smoke to pool into these deep canyons. This causes high concentrations of particulate matter in the canyons and valleys. These conditions remain like this until late morning – early afternoon when convective heat and instability lifts the smoke again

Air Quality Today: Another day of cooler temperatures, higher relative humidity along with precipitation will further moderate fire behavior today, which in turn will limit smoke production. Expect heaviest smoke concentrations near the active fires and good air quality conditions elsewhere. Drift smoke from fires in Utah and Arizona may produce some regional haze in the area today.



Todays Average PM.2-5 Impacts

Particulate Matter (PM 2.5) Community Impacts

Site	Yesterdays Observed Midnight 24 –Hr AQI 25 June 2017	Today's Forecast 24 hr 24-Hr AQI 26 June 2017	Tomorrows Outlook 24-hr 27 June 2017	Worst Time of Day for Smoke Impacts
Reserve	GOOD	GOOD	GOOD	Drift smoke from fires in Utah and Arizona may be visible
Glenwood	GOOD	GOOD	GOOD	
Cliff/Gila River Valley	GOOD	GOOD	GOOD	
Cliff Dwellings National Monument	GOOD	GOOD	GOOD	MODERATE in the morning until around noon

Smoke can hurt your eyes, irritate your respiratory system, and intensify chronic heart and lung problems. Your eyes are your best tools to determine if it's safe to be outside. If visibility is over 5 miles, the air quality is generally good. If you are having health effects from smoke exposure then take extra care to stay inside or get to an area with better air quality. You should also see your doctor or healthcare professional as needed. For information on air quality and protecting your health, and to find guidance on distances and visibility, please visit https://nmtracking.org/fire.

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 **reduce** prolonged and heavy outdoor exertion. Everyone else may find relief by limiting prolonged or heavy outdoor exertion.
Unhealthy	People within Sensitive Groups* should **avoid all** 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.

Transportation Safety:

Smoke limiting visibility is possible during the morning hours on roads in valley and canyon bottoms especially along the 15 road heading into Cliff Dwellings National Monument. If you encounter smoke on the highway, slow down, burn your headlights and proceed with caution.

Interagency Real Time Smoke Monitoring - http://app.airsis.com/USFS/ Air now - http://airnow.gov/index.cfm?action=airnow.main

Information on the fires on the Gila National Forest - https://inciweb.nwcg.gov/state/32/#