

Wildfire Smoke Forecast Guide

View wildfire smoke forecasts when activated at: <https://azdeq.gov/WildfireSmokeForecast>

ADEQ provides wildfire smoke forecasts when Arizona wildfires have the potential for extended air quality impacts as determined in coordination with Federal/State Land Managers.

To inform health and safety considerations and support decision-making related to wildfires, smoke forecasts provide both community members and wildfire managers with information about:

- Who is managing the wildfire and how to get in touch,
- Which communities may be affected by smoke,
- Where smoke is coming from and how long it is expected to last,
- Recommendations about when to limit outdoor activity, and
- Helpful resources including fact sheets, frequently asked questions and other resources related to land managers and other agencies.

When activated, online smoke forecasts will be available 24/7 and updated daily each morning to provide information about expected smoke impacts for the next 48-hours. ADEQ will provide smoke forecasts until data show significantly reduced risk of health impacts.

This guide will explain each portion of the wildfire smoke forecast.

Wildfire Smoke Forecast

Updated On: 6/9/2021 - 2:45 PM Valid Until: 06/10/2021 - 9:00 AM
Forecaster(s): M. Pace (ADEQ), R. Sherron (USFS)

Mescal and Telegraph Fires

Overview


IR flights last night mapped the Telegraph fire at around 80,700 acres (which is ~4,400 acres of growth yesterday) and the Mescal Fire at approximately 70,000 acres (an increase of just over 3,000 acres yesterday).

On Tuesday, smoke production on the Mescal Fire was much less compared to the past few days. The Telegraph Fire continued to have a large smoke column that dispersed toward the northeast with light to moderate smoke impacts noted in Show Low and the surrounding areas.

Smoke Synopsis

Today, we are forecasting smoke to move toward the northeast with moderate to, at times, heavy impacts possible in Globe-Miami due to the proximity to the fire. As smoke continues to disperse toward the northeast, moderate smoke impacts are likely this afternoon in places further north-northeast of the fire, including areas in/around Whiteriver, Cibecue, Show Low, Snowflake, and Eagar. Overnight, moderate to heavy impacts are possible in Globe-Miami, with moderate impacts forecast in Peridot/San Carlos. Only expecting light impacts in Superior today into tonight as the most active portion of the fire is now east of the region.

If you are in an area with heavy impacts, the suggested actions to take are (if possible): close windows and use fans or alternative cooling devices, turn off swamp coolers, use filtered HVAC systems, and avoid outdoor activities.



SMOKE PLUME TRAJECTORY FOR: JUNE 9 2021
Graphic shows forecast smoke plume trajectory using experimental model data. Use for reference only.

Forecast

Click the name of the city to view smoke forecast

Superior | **Globe** | **San Carlos** | **Safford**

Whiteriver

San Carlos


Images shown are for reference only. [See Legend >](#)

Smoke Forecast:

Saturday: Smoke overhead with moderate smoke in the evening.

Saturday Night: Moderate to heavy smoke possible overnight

Sunday: Moderate smoke in the morning



Activity Meter

Legend: 1 - Stay Smoke Aware 2 - Minimize Outdoor Activity 3 - Stay Inside

Time	Activity Level
12am - Sat	2
3am - Sat	2
6am - Sat	3
9am - Sat	2
12pm - Sat	1
3pm - Sat	1
6pm - Sat	1
9pm - Sat	2
12am - Sun	2
3am - Sun	3
6am - Sun	3
9am - Sun	2
12pm - Sun	1
3pm - Sun	1
6pm - Sun	1
9pm - Sun	2

Note: No matter what the forecast indicates, if you feel like you are having health effects from smoke exposure, take extra care to stay inside or safely get to an area with better air quality. Please contact your healthcare provider with specific concerns.

Useful Links

Mescal Fire InciWeb | [View Page >](#)
Telegraph Fire Inciweb | [View Page >](#)

Fire Information Contact

Phone: Mescal: 602-428-5397 Telegraph: 602-525-1042
Email:

Create PDF Version of Smoke Forecast

Select the locations to display in the PDF. [Note:](#) Works best to select less than five locations.

Update date/time and valid time:

The update time indicates when the forecast was updated. Each forecast is valid until 9am the day after the forecast was updated. In this example, the forecast was issued on June 8th and is valid until June 9th at 9 am.

Wildfire Smoke Forecast

Updated On: 6/15/2021 - 3:55 PM Valid Until: 06/16/2021 - 9:00 AM
Forecaster(s): M. Pace (ADEQ), R. Sherron (USFS), P. Swenson (ADEQ)

Overview and Smoke Synopsis:

Mescal and Telegraph Fires

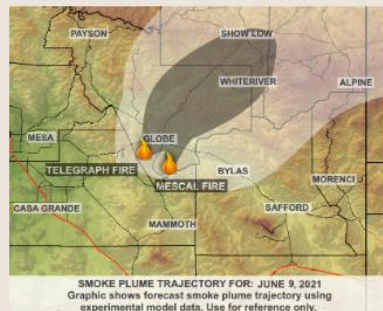
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This section will have a map indicating the location of the fire and the projected smoke plume for the day of the forecast. Light shading indicates smoke will be light or overhead and dark smoke indicate moderate to high impacts are possible.

The “overview” section provides quick details about the fire and smoke impacts that may have occurred the previous day.

The “smoke synopsis” provides detailed information about where the smoke is forecast to move and the possible impacts for the next two days.

Location Forecast and Activity Meter

Click the name of the city to view smoke forecast.

Each forecast will include a daypart forecast and activity meter. The daypart forecast indicates the forecasted smoke impact. Please refer to the table below for a list of icon descriptions.

The activity meter indicates the forecast smoke impacts in three-hour blocks.

- A one (1) indicates you should remain smoke aware.
- A two (2) indicates that you should minimize outdoor activity.
- A three (3) indicates you should stay indoors.

NOTE: No matter what the forecasts indicates, if you feel like you are having health effects from smoke exposure, take extra care to stay inside or get to an area with better air quality. You should also see your doctor or other health professional as needed.

The screenshot shows the 'Forecast' section for San Carlos. At the top, there are buttons for 'Superior', 'Globe', 'San Carlos', 'Safford', and 'Whiteriver', with 'San Carlos' selected. Below this, the 'Smoke Forecast' is shown for Saturday, Saturday Night, and Sunday, each with a representative image and a description: 'Smoke overhead with moderate smoke in the evening', 'Moderate to heavy smoke possible overnight', and 'Moderate smoke in the morning'. The 'Activity Meter' section features a legend with three levels: 'Stay Smoke Aware' (green), 'Minimize Outdoor Activity' (yellow), and 'Stay Inside' (red). A bar chart shows the activity level for each three-hour block from 12pm-Sat to 9pm-Sun. The activity levels are: 2 (yellow), 2 (yellow), 3 (red), 2 (yellow), 1 (green), 1 (green), 1 (green), 2 (yellow), 2 (yellow), 3 (red), 3 (red), 2 (yellow), 1 (green), 1 (green), 1 (green), 2 (yellow). Below the chart is a note about health effects and 'Useful Links' for Mescal Fire InciWeb and Telegraph Fire Inciweb. 'Fire Information Contact' details are provided: Phone: Mescal: 602-428-5397 Telegraph: 602-525-1042. Email: [redacted]. A 'Create PDF Version of Smoke Forecast' button is at the bottom, with a note: 'Select the locations to display in the PDF. Note: Works best to select less than five locations.'

Useful Links, Fire Information, and PDF

This section contains three main parts. The 'Useful Links' section lists: 'Mescal Fire InciWeb | View Page >', 'Telegraph Fire Inciweb | View Page >', 'Air Resource Advisor Smoke Forecast | View Page >', 'ADEQ Portable PM-2.5 Monitors | View Page >', and 'USFS Portable PM-2.5 Monitors | View Page >'. The 'Fire Information Contact' section lists: 'Phone: Mescal: 602-428-5397 Telegraph: 480-608-2054' and 'Email: [redacted]'. The 'Create PDF Version of Smoke Forecast' section includes a note: 'Select the locations to display in the PDF. Note: Works best to select less than five locations.' Below this is a list of checkboxes for locations: Miami Area, Superior, San Carlos, Safford, Whiteriver, Cibecue, Show Low, and Eagar. A 'Create PDF Forecast' button is at the bottom.









Useful links are unique to each wildfire and will help you gain more information about the fire.

Fire Information Contact will show who to contact about fire information.

To create a PDF version of the forecast click the locations you want to display in the PDF and then press "Create PDF Forecast". Note: You should select five or less locations for best results.

Icon and Activity Meter Guide

Forecast icons were created using photos graciously provided from Arizona resident Ted Grussing

Icon	Description	Activity Meter Category / Recommendations
	No smoke in the area	1 – remain smoke aware
	Haze. Smoke in the area causing haze; however, there is no smell of smoke.	1 – remain smoke aware
	Light smoke in the area. Visibility is still over five miles but you may be able to smell smoke from time-to-time.	1 – remain smoke aware
	Smoke in the vicinity. No long-term impacts expected, but smoke is in the area and could cause short term impacts.	1 – remain smoke aware 2 – minimize outdoor activity
	Patchy smoke. Patches of moderate smoke in the area.	2 – minimize outdoor activity
	Widespread moderate smoke across the area.	2 – minimize outdoor activity
	Heavy smoke across the area.	3 – stay inside
	Dense Smoke Advisory. Dense smoke across the area.	3 – stay inside