

FIRE, WEATHER AND SMOKE SYNOPSIS

Weather: Cooler temperatures and scattered showers today. Moderate inversion will be in the area this morning that should lift by noon. Winds shifted yesterday to the NE with the cold front that moved in.

Fire Activity: Fire activity increased due to burnout activities yesterday. Cooler temperatures along with the scattered showers will reduce fire activity for today.

Smoke Summary: Yesterday morning, heavy smoke settled into the West Yellowstone area up to the Hebgen Lake area but moved out before noon. There was a PM2.5 spike (USG to Unhealthy) at the Duck Creek monitor but was relatively short in duration and there was a very unhealthy spike in West Yellowstone. WSW winds kept smoke out of the West Yellowstone area after the inversion lifted, once more pushing much of the smoke into the Norris Basin towards Mammoth Hot Springs. The Lake Junction area may have experienced smoke from the Central fire yesterday.

Today's Smoke: Smoke from yesterday's fire activities moved into the basin during the evening and into the early morning. Air Quality was decreased but remained in the good range for much of the area. West Yellowstone monitor peaked early this morning into the USG to Unhealthy range for a few hours. Rain showers in the area cleared the air and should persist into the afternoon providing good air quality and decreased fire activity. Smoke impacts should be minimal this evening into tomorrow. Unless weather changes and fire activity increases, expect good to moderate air quality the next couple of days.

NOTE: Breathing smoke is not healthy for anyone, but some people are at greater risk, including those with heart or lung disease, children, and the elderly. If it looks smoky, you may want to limit or eliminate exercise or other outdoor activities. A daily air quality summary report and links to real-time monitoring data and information about ways to limit your exposure to protect your health are available below.

Air Quality Outlook

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

Site	Yesterday	Today	Tomorrow	Smoke Notes
Duck Creek	Good	Good	Good	Rain and light winds should keep smoke at a minimum.
Madison Junction	Good	Good	Good	Rain and light winds should keep smoke at a minimum.
West Yellowstone	Good	Good	Good	Rain and light winds should keep smoke at a minimum.

Sites without a monitor – estimated outlook

Site	Today	Tomorrow	Smoke Notes
Mammoth/Hot Springs	Good	Good	Mostly Clear
Lake Junction	Good	Good	Some light smoke possible but mostly clear.

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

USG – Unhealthy for Sensitive Groups



Link to other websites with smoke related information including real-time monitoring data and an explanation of the different colors representing the Air Quality Index: <http://go.nps.gov/YellowstoneSmoke>