

FIRE, WEATHER AND SMOKE SYNOPSIS

Weather: Warm temperatures and higher gusty winds ahead of front. Moderate inversion will be in the area this morning that should lift by noon. Winds shifting to the North into the evening.

Fire Activity: Fire activity increased due to burnout activities yesterday. Continued burnout activities will increase active fire behavior in those areas with active torching.

Smoke Summary: Yesterday morning, heavy smoke settled into the West Yellowstone area up to the Hebgen Lake area but moved out around noon. There was a PM2.5 spike (unhealthy) at the Duck Creek monitor but was relatively short in duration. WSW winds kept smoke out of the West Yellowstone area after the inversion lifted but pushed much of the smoke up into the Norris Basin northward to Mammoth. Madison Junction had Moderate smoke impacts late last night.

Today's Smoke: Smoke from yesterday's fire activities moved down slope and down valley early this morning. Areas in the West Yellowstone area will experience decreased air quality this morning. Dispersion this afternoon looks to be good and will promote clearing after the inversion lifts. SW winds should keep smoke moving away from the West Yellowstone area this afternoon. Mammoth Hot Springs will likely have moderate levels of smoke into the evening. Lingering smoke may remain around the Hebgen Lake area lifting this afternoon as inversion lifts and winds increase. Smoke will probably return to this area tonight into tomorrow morning. Potential rain showers later tonight and into tomorrow will possibly clear the air to some degree. Overall the 24hr air quality index is good for most of the areas.

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	Smoke due to inversion this morning puts air quality at USG to Unhealthy but lift and clear by this afternoon.
Madison Junction	Good	Good	Good	Light to moderate smoke impacts last night into this morning. Smoke on Hwy 89 possible. Should clear after winds increase.
West Yellowstone	Good	Good	Good	Smokey into the very unhealthy air quality range this morning. Should clear by afternoon after winds increase.

Sites without a monitor – estimated outlook

Site	Today	Tomorrow	Smoke Notes
Mammoth/Hot Springs	Moderate	Good	Light smoke this morning. Smoke into moderate usg levels likely to return this afternoon into the evening.
Lake Junction	Good	Good	Some light smoke later this afternoon but should be good air quality for the day.

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>