

FIRE, WEATHER AND SMOKE SYNOPSIS

Weather: Frequent rain showers along with cold temperatures expected all day; snow possible tonight at higher elevations. Moist air expected to last through Monday.

Fire Activity: With expected weather, fire behavior is expected to be low today. Larger woody material remains historically dry and will continue to actively burn and smolder during the day and over night.

Smoke Summary: As larger fuels smolder over night, smoke will drift down valley, briefly impacting areas such as West Yellowstone, Duck Creek, Gardiner, Mammoth Hot Springs and Madison Junction. This morning expect brief episodes of heavy smoke to drift in and out, dispersing somewhat as the inversion lifts by mid-morning. With insufficient winds to move smoke out of affected areas, today’s overall air quality may range between MODERATE and GOOD. Any rain that occurs today will scrub the air of smoke and leave GOOD air quality for a while. Rainfall will be insufficient to end burning and smoldering such that smoke will follow evening down valley flows and settle in nearby valley communities (unless it rains which will clear the air for a little while).

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 (smoke related)

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

Site	Yesterday	Today	Tomorrow	Smoke Notes
Bozeman	Good	Good	Good	
Duck Creek	USG	Moderate	Moderate	Smoke concentrations may vary widely throughout the day with greater impacts possible tonight that approach USG.
Mammoth Hot Springs/ Gardiner	Good	Good	Moderate	Absent rain, smoke may drift in this evening approaching MODERATE levels.
West Yellowstone	Good	Good	Moderate	Smoke concentrations may vary widely throughout the day with greater impacts this evening that approach UNHEALTHY (unless it rains).

Sites without a monitor – estimated outlook

Site	Today	Tomorrow	Smoke Notes
Madison Junction	Good	Good	May see MODERATE smoke impacts this evening.
Lake Junction	Good	Good	Should see GOOD air quality throughout 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>