

Weather, Fire, Smoke Synopsis and Monitoring

Weather: An east south easterly wind is forecasted today. There is the possibility of late afternoon thunderstorms over the fire area.

Fire activity: The western portion of the fire is expected to have the most activity. If thunderstorms occur in the later part of the day an increase in fire behavior will cause higher levels of smoke. No burn outs are planned for today.

Smoke: Expect slow clearing out of local drainages through the morning becoming mostly clear by early afternoon. However, weak transport winds will result in hazy conditions throughout the day.

Monitoring: Smoke monitoring equipment is established at Painter Outpost. Particulate Matter (PM 2.5) data will be collected in the Clark’s Fork drainage where community health is a priority. The data will be utilized to enhance forecasts and identify the Air Quality Index levels.

Air Quality Outlook

Sites with air quality monitors (based on Air Quality Index for each 24-hr day)				
Site	Yesterday	Today	Tomorrow	When smoke may be worse
Painters Canyon	Unhealthy for Sensitive Groups	Unhealthy for Sensitive Groups	Unhealthy for Sensitive Groups	Unhealthy conditions are likely overnight and during morning hours. Good conditions mid to late afternoon today and tomorrow.

Locations without monitors				
Site	Today	Tomorrow	When smoke may be worse	
Cody	Good	Good	Mostly clear. May see some haze.	
Chief Joseph Highway (Hwy 296)	Moderate	Moderate	Gradual lifting of smoke throughout the morning.	
Highway 212	Moderate	Moderate	Gradual lifting of smoke throughout the morning as smoke is funneled north along the Yellowstone River drainage.	
Yellowstone NP – NE Entrance	Good	Good	Hazy skies from multiple fires in the region.	

Disclaimer: Conditions may change quickly. These predictions are based on anticipated weather and fire activity. AQI estimates for sites do not represent a full 24-hour time period. Instead they reflect a period of time within the day where smoke impacts would be greatest.

Air Quality Index (AQI) Levels of Health Concern	ACTIONS TO PROTECT YOURSELF
Good	None
Moderate	Highly smoke sensitive people should consider reducing prolonged or heavy outdoor exertion.
Unhealthy for Sensitive Groups (USG)	People within Sensitive Groups* should <u>reduce</u> prolonged or heavy outdoor exertion. Everyone else may find relief by limiting prolonged or heavy outdoor exertion.
Unhealthy	People within Sensitive Groups* should <u>avoid all</u> physical outdoor activity. Everyone else should avoid prolonged or heavy outdoor exertion.

* Sensitive Groups include people with heart or lung disease, children, pregnant women and older adults

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Info on wildfire smoke and your health



Info on how to use Visibility to estimate health impacts from wildfire smoke

