

**FIRE, WEATHER AND SMOKE SYNOPSIS**

**Weather:** A broad upper-level low will move into British Columbia today, continuing to produce southwesterly winds aloft and at the surface with increased wind speeds in the mid-to-upper levels over the Pioneer Fire area. Drier air aloft today will provide mostly sunny to partly cloudy skies throughout the day. Winds: Up-canyon 5 – 8 mph gusts to 15 after 1:00pm. Ridges: Southwesterly 14-18 mph with gusts to 22. Strongest winds in southwest-to-northeast oriented valleys. Inversion will break between noon and 1pm. Expect southwesterly transport winds 15 – 20 mph throughout the day today. Expect smoke plume transport to the northeast.

**Fire Activity:** Although RH values will be slightly higher this afternoon, active fire behavior will still continue north of highway 17 in the Clear Creek, Deadwood, Scott Creek, Bear Valley, Lorenzo Creek, and Rough Creek drainages and Deadwood Ridge where RH's will be in the mid teens to low 20's and winds and slope align. South of HWY 21 east of Lowman, active fire activity is expected in the Crooked River drainage area. Grass and shrub fuels will be active for uphill runs in valley locations. Wind/slope alignment will result in moderate to high spread rates. Fire will be more active around the Clear Creek drainage and Deadwood Creek drainage areas. Active fire behavior is expected through tomorrow.

**Smoke Summary:** Smoke will concentrate in the low valleys this morning and mix down to the surface for much of the day before lightening in the late afternoon hours. Areas that see prolonged sun light today could see clearing around the mid-afternoon hours due to increased mixing near the surface. Today, the most significant smoke impacts will be to **Lowman, Stanley, and Garden Valley**. Elevated smoke plumes from the Pioneer and adjacent fires may affect **Salmon** and local areas. **Challis** clear most of the day.

**Air Quality Outlook (smoke related)**

**Sites with air quality monitors (based on concentration PM 2.5 µg/m3 24-hr avg.)**

Site	Yesterday	Today	Tomorrow	Comments for Today (9/1/16)
Fairfield	Good	Good	Good	Mostly clear throughout the day. Possible haze in the mid to late morning. Clearing after inversion lift.
Garden City	Good	Good	Good	Mostly clear throughout the day. Possible haze in the mid to late morning. Clearing after inversion lift.
Garden Valley School & ICP/Helibase	USG	USG	Moderate	Smoke in late morning through mid-afternoon before clearing in late afternoon hours.
Idaho City	Moderate	Moderate	Moderate	Elevated surface concentrations in the morning and mid afternoon, clearing by early evening.
Ketchum	Good	Good	Moderate	Mostly clean air throughout the day with possible high-level haze.
Meridian	Good	Good	Good	Mostly clear throughout the day. Possible haze in the mid to late morning. Clearing after inversion lift.
Nampa	Good	Good	Good	Mostly clear throughout the day. Possible haze in the mid to late morning. Clearing after inversion lift.
Lowman	USG	USG	USG	Elevated concentrations throughout gradually decreasing by late afternoon.
Stanley	Good	Good	Moderate	Clear most of the day with light haze appearing late afternoon.
Salmon	Good	Moderate	Moderate	Elevated smoke concentrations late morning through mid-afternoon, clearing by early evening.

**Sites without a monitor**

Site	Today	Tomorrow	Comments for Today
Lucky Peak Rec. Area	Good	Good	Conditions improving, but smoke haze will be visible
Centerville	Moderate	Moderate	Morning and early afternoon smoke impacts.

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

**USG – Unhealthy for Sensitive Groups**

**Other Websites with Smoke Related Information**

For areas without a monitor use the Visibility method to help protect your health from Smoke: <https://nmtracking.org>

Information about Wildfire Smoke and Your Health: <http://www.cdc.gov/features/wildfires/>

Idaho Smoke Blog: <https://idsmoke.blogspot.com>

