



Smoke Outlook

Central Idaho - Salmon Challis Hayden Fire

7/31 - 8/01

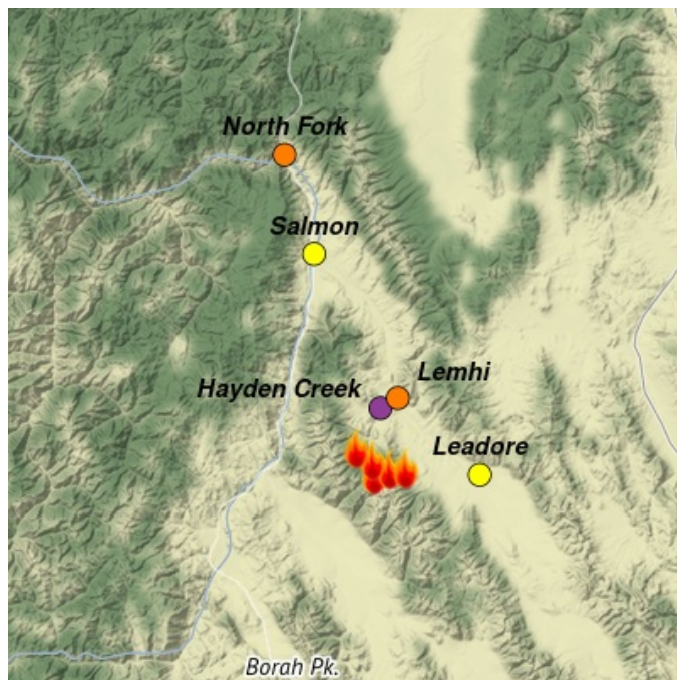
Issued by Wildland Fire Air Quality Response Program on July 31, 2023 at 10:48 AM MDT

Fire

The Elk Horn Fire increased activity, added an estimated 5,000 acres in the last 24-hours. The Hayden Fire continues to see Red Flag conditions, with wind, low humidity, and warm temperatures. Gusty erratic winds will increase fire behavior along the southern flank where winds align with terrain. Elsewhere, moderated fire behavior is expected. Containment has been updated to 5% and will increase as suppression efforts anchor lines using the Tobias (2033) burn scar and rocky features to prevent spread into lighter fuels at lower elevations. Tuesday into Wednesday, weather begins to shift with more cloud cover, lower high temperatures, and higher humidity. This weather shift will dampen fire behavior, allowing smoldering and creeping to consume interior fuels.

Smoke

The Elk Horn Fire is impacting North Fork, Carmen, and Salmon. Daytime smoke will move north-northeast over the Bitterroot Range; disperse smoke will settle along the Middle Fork of the Salmon River into North Fork and Salmon overnight. Hayden smoke impacts will concentrate in the immediate vicinity of the fire along Hayden Creek and associated drainages. Communities from Hayden Creek to HWY 28, will experience heavy smoke overnight into late morning. By afternoon and evening, conditions improve with light-to-moderate smoke from noon til nightfall. Impacts to Lemhi, Tendoy, Baker, and up to Salmon, will follow a similar pattern: good from midday til dusk, slowly building overnight with heaviest smoke from midnight til midday. Weather shifts by Wednesday will clear out residual smoke with wetting rain.



Daily AQI Forecast* for Monday

Station	Yesterday hourly			Sun 7/30	Comment for Today -- Mon, Jul 31	Forecast*	
	6a	noon	6p			Mon 7/31	Tue 8/01
North Fork	No hourly data				Smoke impacts from Elk Horn Fire, overnight to morning is highest smoke impacts.		
Salmon					Smoky conditions expected overnight into morning, clearing by afternoon.		
Hayden Creek					Intense smoke until late morning each day, clearing by late afternoon.		
Leadore					Intermittent smoke, higher impacts near the fire perimeter.		
Lemhi					Smoke impacts overnight, general light-to-moderate smoke midday into evening.		

Issued Jul 31, 2023 by A. Ortega, amber.ortega@usda.gov

Air Quality Index (AQI)	Actions to Protect Yourself
Good	None
Moderate	Unusually sensitive individuals should consider limiting prolonged or heavy exertion.
USG	People within Sensitive Groups* should reduce prolonged or heavy outdoor exertion.
Unhealthy	People within Sensitive Groups* should avoid all physical outdoor activity.
Very Unhealthy	Everyone should avoid prolonged or heavy exertion.
Hazardous	Everyone should avoid any outdoor activity.

***Disclaimer:** This forecast is based on fine particulates only; ozone is not included. Forecasts may be wrong; use at own risk. Use caution as conditions can change quickly. See your health professional as needed. Smoke sensitive groups should take appropriate precautions.

Additional Links

[Fire & Smoke Map](https://fire.airnow.gov/) -- <https://fire.airnow.gov/>

[Idaho Dept. of Environmental Quality](https://www.deq.idaho.gov/air-quality/) -- <https://www.deq.idaho.gov/air-quality/>

[Hayden Fire Information](https://inciweb.nwcg.gov/incident-information/idscf-hayden-fire) -- <https://inciweb.nwcg.gov/incident-information/idscf-hayden-fire>

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Issued by Interagency Wildland Fire Air Quality Response Program -- www.wildlandfiresmoke.net
Central Idaho - Salmon Challis Updates -- <https://outlooks.wildlandfiresmoke.net/outlook/35739c39>
*Smoke and Health Info -- www.airnow.gov/air-quality-and-health