



Smoke Outlook

North Cascades Sourdough

8/17 - 8/18

Issued by [Wildland Fire Air Quality Response Program](#) on August 17, 2023 at 07:50 AM PDT

Special Statement

State Route 20/North Cascades Highway from milepost 120 in Newhalem to milepost 146 just east of Granite Creek located 55 miles west of Winthrop is closed. For latest info, see: wsdot.wa.gov

Fire

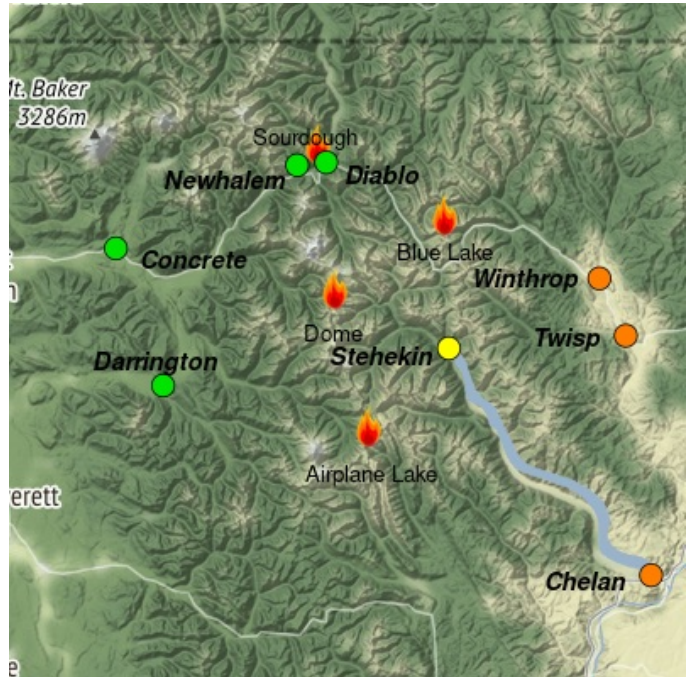
The Sourdough Fire stands at a total acreage of just under 3000 acres. Extreme fire behavior with short crown runs and torching. Containment is about 11%. For more fire information, see: [Inciweb](#)

Smoke

A westerly flow will increase today through Friday resulting in GOOD conditions on the west side of the Cascades and MODERATE to USG on the east side. Winds will shift to easterly Friday night and smoke will move back over the west side by Saturday morning. Smoke will move as far west as the Puget Sound but concentrations are uncertain at this time. Eastern slopes will experience smoke from several fire sources today with improvement expected Friday.

Red Flag Warning

RED FLAG WARNING in effect from 10 AM today to 9pm Friday for wind and low relative humidity for the east side of the Cascades. See [NWS Spokane](#)



Daily AQI Forecast* for Thursday

Station	Yesterday hourly	Wed 8/16	Comment for Today -- Thu, Aug 17	Forecast*	Thu 8/17	Fri 8/18
Twisp			Westerly winds will bring varying amounts of smoke across the region today.			
Winthrop			Westerly winds will bring varying amounts of smoke today through Friday.			
Chelan			Smoke amounts will vary today as winds aloft shift.			
Stehekin	No hourly data		Shifting winds aloft will bring varying amounts of smoke through Friday.			
Concrete	No hourly data		A westerly flow will keep GOOD conditions in area through Friday.			
Darrington			A westerly flow will result in GOOD conditions through Friday.			
Newhalem	No hourly data		Westerly flow will prevail through Friday for GOOD conditions.			
Diablo	No hourly data		Winds will scour out smoke midday today through Friday, then smoke returns.			

Issued Aug 17, 2023 by Mark Struthwolf 801-815-8692

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

[Sourdough Fire Incident Information](#) -- <https://inciweb.nwcg.gov/incident-information/warlp-sourdough-fire>

[Stehekin Web Cam](#) -- <https://lakechelancams.com/stehekin-cams/>



Issued by Interagency Wildland Fire Air Quality Response Program -- www.wildlandfiresmoke.net
North Cascades Updates -- <https://outlooks.wildlandfiresmoke.net/outlook/6c2fe616>

*Smoke and Health Info -- www.airnow.gov/air-quality-and-health