

Smoke Summary: Successful firing operations on the Northstar, Okanogan, and Kettle Complex were evident off satellite Infrared imagery from VIIRS (satellite imagery) yesterday...there will likely be some more impacts today east and south the Northstar fire and Kettle Complex as these firing operations continue. Tomorrow (Saturday) wind shifting from a westerly to a more north to south direction will shift impacts to Nespelem and Wellpinit monitors in the evening. Some smoke may even reach communities south as far as Davenport and Spokane.

Monitoring: We are currently tracking smoke concentrations at 11 sites. No changes to the monitoring map from yesterday.

Site	Yesterday	Today	Tomorrow	COMMENTS
	Thursday (09/03)	Friday (9/04)	Saturday (9/05)	
	AQI (midnight to midnight average)	Air Quality	Air Quality	
Spokane Metro	Good	Good	Good	Hourly values in the moderate range are possible due to NW winds.
Davenport	Good	Good	Good	
Colville	Good	Good	Good	
Tonasket	Good	Good	Good	
Omak	Good	Good	Good	
Inchelium	Good	Good	Moderate	NW winds will likely bring smoke with periods of moderate level smoke.
Kettle Falls	USG	Good	Moderate	
Wellpinit	Good	Moderate	Moderate	NW winds will likely bring hourly Moderate hourly values to USG levels in the evenings after 3 P.M.
Orient	Moderate	Moderate	Moderate	Both areas will clean out with favorable NW winds moving smoke away from these sites.
Republic	Unhealthy	Moderate	Moderate	
Nespelem	USG	Moderate	Moderate	NW winds will bring smoke from active areas of the Northstar fire. Periods of Good conditions Saturday during the day, with night impacts.

Disclaimer: Fire activity and weather may change quickly, and data from monitors can lag by an hour or two, so it's prudent to check outside visually to ensure that monitoring and patterns described above match actual conditions. These predictions are based on anticipated weather and fire activity. The air quality outlook is based on data from automated instruments that have not been subjected to a quality assurance review. AQI's estimated for sites with air monitors.

Links:

smoke.airfire.org/monitoring

(select your site from the map, check the "use AQI colors" box, and remember that GMT is 7 hrs ahead of Local (PDT) time)

<http://www.netcd.org/>

<http://wasmoke.blogspot.com/>

AirNow - <http://airnow.gov/index.cfm?action=airnow.main>

Air Quality and school Activities: <http://www.doh.wa.gov/Portals/1/Documents/Pubs/334-332.pdf>



Index Levels of Health Concern	Actions Recommended by WA Department of Ecology to Reduce Smoke Exposure
Good	None.
Moderate	People with asthma, respiratory infection, diabetes, lung or heart disease, or have had a stroke should limit outdoor activities or do activities that take less effort, such as walking instead of running.
Unhealthy for Sensitive Groups - USG	People with heart or lung disease Sensitive groups include people with heart or lung disease, asthma, diabetes, infants, children, adults older than 65, pregnant women, or who have had a stroke. These people should limit time spent outdoors, children and older adults should reduce prolonged or heavy outdoor exertion. Everyone else should limit prolonged or heavy exertion.
Unhealthy	Everyone should limit time spent outdoors. Everyone should avoid exercising outdoors (including sports teams) and choose non-strenuous indoor activities. People with asthma, respiratory infection, diabetes, lung or heart disease, or have had a stroke should stay indoors. Infants, children, pregnant women and adults over age 65 should also stay indoors.
Very Unhealthy	Everyone should stay indoors, do only light activities, and keep windows closed if it is not too hot. Run air conditioners on re-circulate and close the outside air intake. Use indoor air cleaners with HEPA filters, if available. If you must be outdoors, wear an N-95 respirator mask. People with chronic diseases should check with their health care provider before wearing a mask. Check with your local health department for health information. People with asthma, lung and heart disease, or have had a stroke should check with their health care provider for advice about leaving the area. Anyone with shortness of breath, wheezing, chest pain, heart palpitations, extreme fatigue, or difficulty moving or speaking should call their health care provider or call 911.
Hazardous	Everyone should stay indoors, do only light activities, and keep windows closed if it is not too hot. Run air conditioners on re-circulate and close the outside air intake. Use indoor air cleaners with HEPA filters, if available. If you must be outdoors, wear an N-95 respirator mask. People with chronic diseases should check with their health care provider before wearing a mask. Check with your local health department for health information. People with asthma, lung and heart disease, or have had a stroke should check with their health care provider for advice about leaving the area. Anyone with shortness of breath, wheezing, chest pain, heart palpitations, extreme fatigue, or difficulty moving or speaking should call their health care provider or call 911.