

Weather and smoke: More showers in the mountains this morning. Winds shifting from southwest to west, then from the north tomorrow. Less breezy today with less chance of rain. Inversions in the river canyons will still trap any fresh emissions off the fires in Republic and Orient, probably Inchelium too with the shift to westerly winds today. North winds tomorrow will bring more smoke to Nespelem, Wellpinit and other sites south of the fires tomorrow.

Fire and smoke: Cool and moist conditions again this morning in Colville and around most of the fires. Perimeters are largely stable. Notable suppression activity on the Okanogan Complex at the north end, and there was some firing on the order of 80-150 acres that occurred on the Northstar fire yesterday, both of which generated visible localized smoke. Wind shifting from SW to west today, then from the north tomorrow will change the pattern of smoke impacts from remaining fire activity. This will likely cause an increase in local impacts from today into tomorrow in Nespelem, Omak, Wellpinit and other locations south and east of the Northstar and Carpenter Road fires. Additional firing on these fires to further secure perimeters will likely also contribute.

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

Site	Yesterday	Today	Tomorrow	COMMENTS
	Wednesday (09/02)	Thursday (9/03)	Friday (9/04)	
	AQI (midnight to midnight average)	Air Quality	Air Quality	
Spokane Metro	Good	Good	Good	Hourly values are still in the Good range, and most of the daytime values should remain that way through Friday.
Davenport	Good	Good	Good	
Colville	Good	Good	Good	
Kenesket	Good	Good	Good	
Inchelium	Good	Good	Good	
Kettle Falls	Good	Good	Moderate	Because of wind shifts and new firing, Omak, Wellpinit, and Kettle Falls will likely see between Good and Moderate conditions today and both areas could see hourly values in the unhealthy range for in the early morning hours Friday.
Wellpinit	Good	Good	Moderate	
Omak	Good	Moderate	Moderate	
Orient	Moderate	USG	USG	Hourly values could be in the lower Very Unhealthy range early in the mornings, moving to the mostly Unhealthy range throughout the day for Republic and Nespelem as the skies clear and mixing heights increase. With the expected wind change, Republic may see a slight improvement for Friday.
Republic	Moderate	Unhealthy	USG	
Nespelem	Moderate	Unhealthy	Unhealthy	

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.netchd.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 diseasesSensitive 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.