Updated Air Quality Public Service Announcement

Several fires continue to impact our region with smoke: Red Salmon Complex (https://inciweb.nwcg.gov/incident/6891) and the August Complex (https://inciweb.nwcg.gov/incident/6983). USFS Air Resource Advisors (ARAs) are assigned to fires impacting our area and provide daily smoke outlook forecasts that contribute to this three-county smoke advisory. Air quality monitors and current AQI should be viewed at https://fire.airnow.gov.

The ARA on the Red Salmon fire indicates that the fire was active overnight, but there was nothing of real significance as smoke and some marine moisture helped to moderate activity. Areas nearest the fire to the West have seen the greatest impacts from smoke and will continue to see the same today. Willow Creek, Hoopa, Weitchpec, and Orleans will all see Good to Moderate air quality, with those locations further north having potential for periods of Unhealthy conditions. Smoke has also been settling in low lying valleys and drainages, especially as inversions set in. More active fire behavior may create more smoke increasing localized impacts.

The ARA on the August Complex indicates that the fire was most active yesterday on the western portion of the perimeter. Today, moderate fire behavior is expected and with warmer and dryer conditions this week fire activity may increase slightly. Pockets of fuel will continue to burn within the perimeter. Air quality around the Complex has been generally Good to Moderate conditions, with similar air quality conditions expected today with smoke impacts dependent on fire activity.

Humboldt County – No ADVISORY issued today.

- Eureka/Arcata (including Rio Dell to Trinidad) – Good with possible periods of Moderate conditions.
- Fortuna – Good with possible periods of Moderate conditions.
- Orleans – Overall Moderate conditions with periods of Unhealthy at times.
- Weitchpec – Overall Moderate conditions with periods of Unhealthy at times.
- Hoopa – Good with possible periods of Moderate conditions.
- Willow Creek – Good with possible periods of Moderate conditions.
- Bridgeville – Good with possible periods of Moderate conditions.
- Garberville & Redway – Good with possible periods of Moderate conditions.

Del Norte County – No ADVISORY issued today.

- Crescent City – Good conditions.
- Gasquet – Good conditions.
- Klamath – Good with possible periods of Moderate conditions.

Trinity County – No ADVISORY issued today.

- Weaverville – Good with possible periods of Moderate conditions.
- Trinity Center – Good conditions.
- Hayfork – Good with possible periods of Moderate conditions.
Particulate Matter (PM2.5) monitors are located in Crescent City, Gasquet, Eureka, Fortuna, Weaverville, Hoopa, Weitchpec, Willow Creek, Klamath, Trinity Center, Bridgeville, and Garberville. Updates will be provided as conditions change.


As with all wildfires, ash fallout is possible depending on fire activity and proximity to the fires. Ash fallout information can be found in the Wildfire Smoke Resources section of our webpage at [www.ncuaqmd.org](http://www.ncuaqmd.org).

**Health Information for Smoke Impacts**

Concentrations of smoke may vary depending upon location, weather, and distance from the fire. Smoke from wildfires and structure fires contain harmful chemicals that can affect your health. Smoke can cause eye and throat irritation, coughing, and difficulty breathing. People who are at greatest risk of experiencing symptoms due to smoke include: those with respiratory disease (such as asthma), those with heart disease, young children, and older adults. These sensitive populations should stay indoors and avoid prolonged activity. All others should limit prolonged or heavy activity and time spent outdoors. Even healthy adults can be affected by smoke. Seek medical help if you have symptoms that worsen or become severe.

Follow these general precautions to protect your health during a smoke event:

- Minimize or stop outdoor activities, especially exercise.
- Stay indoors with windows and doors closed as much as possible.
- Do not run fans that bring smoky outdoor air inside – examples include swamp coolers, whole-house fans, and fresh air ventilation systems.
- Run your air-conditioner only if it does not bring smoke in from the outdoors. Change the standard air conditioner filter to a medium or high efficiency filter. If available, use the “re-circulate” or “recycle” setting on the unit.
- Do not smoke, fry food, or do other things that will create indoor air pollution.

If you have lung disease (including asthma) or heart disease, closely monitor your health and contact your doctor if you have symptoms that worsen. Consider leaving the area until smoke conditions improve if you have repeated coughing, shortness of breath, difficulty breathing, wheezing, chest tightness or pain, palpitations, nausea, unusual fatigue, lightheadedness.


For further information, visit the District’s website at [www.ncuaqmd.org](http://www.ncuaqmd.org) or call the District’s Wildfire Response Coordinator at (707) 443-3093, x122.

<table>
<thead>
<tr>
<th>Air Quality Index (AQI Value)</th>
<th>PM 2.5 24hr avg (ug/m³)</th>
<th>Actions to Protect Yourself</th>
</tr>
</thead>
<tbody>
<tr>
<td>Good (0-50)</td>
<td>0-12</td>
<td>None</td>
</tr>
<tr>
<td>Moderate (51-100)</td>
<td>12-35</td>
<td>Sensitive individuals should consider limiting prolonged or heavy exertion</td>
</tr>
<tr>
<td>Unhealthy for Sensitive Groups [USG] (101-150)</td>
<td>35-55</td>
<td>People within USG should reduce prolonged or heavy outdoor exertion</td>
</tr>
<tr>
<td>Unhealthy (151-200)</td>
<td>55-150</td>
<td>People within USG should avoid all prolonged or heavy outdoor exertion</td>
</tr>
<tr>
<td>Very Unhealthy (201-300)</td>
<td>150-250</td>
<td>Everyone should avoid prolonged or heavy exertion</td>
</tr>
<tr>
<td>Hazardous (&gt;300)</td>
<td>250-500</td>
<td>Everyone should avoid any outdoor activity</td>
</tr>
</tbody>
</table>

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