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# Air Quality in Greater Yellowstone Ecosystem

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## **University of Wyoming – National Park Service Harlow Summer Seminars at the AMK Ranch**

**THURSDAY, JULY 3<sup>rd</sup>, 5:30 pm**

### **“Air Quality Issues within the Greater Yellowstone Ecosystem”**

**Robert Field, University of Wyoming  
Ted Porwoll, U.S. Forest Service**

Air quality is of critical importance to a healthy environment. The impact of air pollution upon the Greater Yellowstone Ecosystem is explored with particular reference to nitrogen deposition and wintertime ozone. Increased deposition of nitrogen from the atmosphere has already affected high elevation ecosystems by enriching surface waters and soils. The definition of critical Loads for nitrogen in these sensitive areas is discussed. The recently discovered phenomenon of wintertime ground level ozone was identified in the Upper Green River Basin. The results of investigations into the scope of wintertime ozone episodes and the importance of oil and gas emissions are presented.



***We will have a barbecue at 5:30 with hamburgers, veggie burgers, hot dogs, chips, salads and dessert for a \$5 donation. The talk starts at 6:30 in the historic Berol Lodge at the AMK Ranch. Turn right in the Leek's Marina parking lot in Grand Teton National Park. Reservations not required.***