

**Mining-Induced Seismicity  
in the Crandall Canyon  
Coal Mine Area—  
Overview and Update**

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# Acknowledgments

- J. C. Pechmann, K. L. Pankow, R. Burlacu and staff of the University of Utah Seismograph Stations (UUSS)
- M. K. McCarter, University of Utah Department of Mining Engineering



**In the News**

[September 1, 2007 at 12:32 p.m. MDT Magnitude 3.9 in northern Utah](#)

[August 18, 2007 at 7:16 a.m. MDT Magnitude 3.9 earthquake in southwestern Utah](#)

[Update on August 6, 2007 M3.9 seismic event in central Utah](#)

[August 6, 2007 at 2:48 a.m. MDT Magnitude 3.9 seismic event in central Utah](#)

[June 29, 2007 - 100 years of Earthquake Recording at the University of Utah](#)

[Kennecott Stabilizes Earthquake Information Center with Large Donation](#)

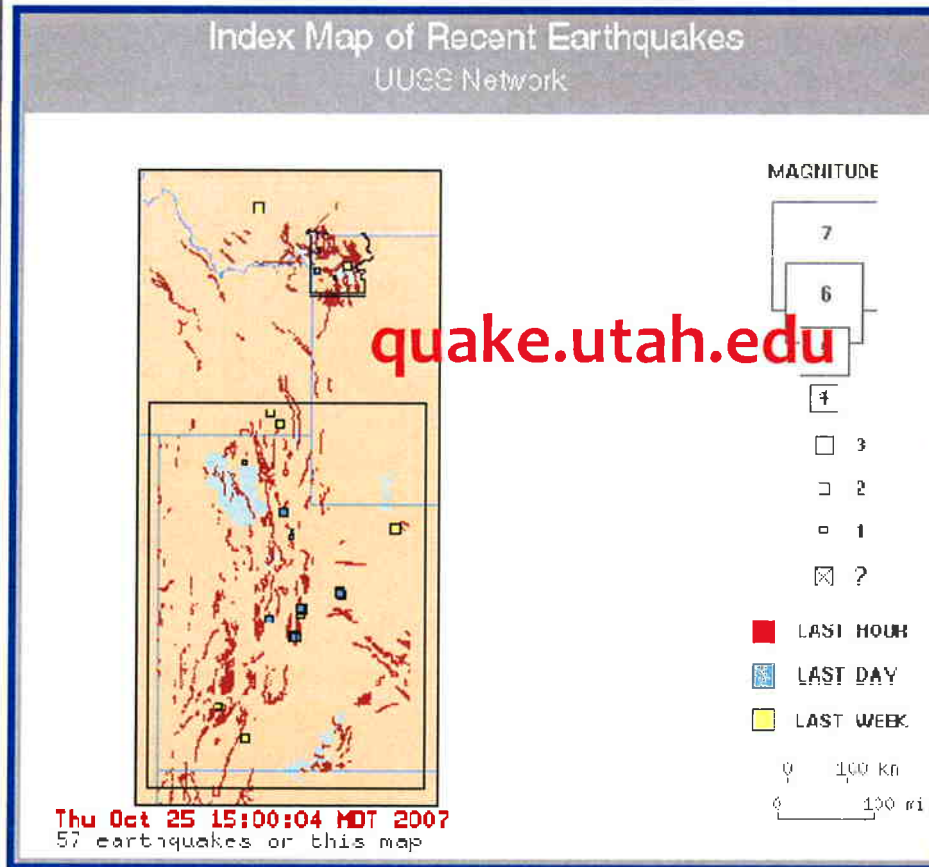
**Related Websites**

[USGS Earthquake Website](#)

[Did You Feel It?](#)

[ANSS](#)

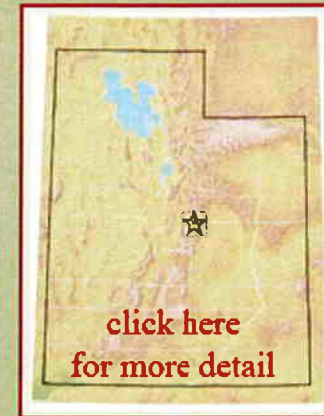
[Yellowstone Volcano](#)



[quake.utah.edu](http://quake.utah.edu)

**Click on an earthquake on the map above for a zoomed-in view.**

**August 6, 2007 Crandall Canyon Seismic Event**



[FAQs About the Aug 6, 2007 Crandall Canyon Seismic Event](#)

[Scientific & Technical Info](#)

[Updates \(August 17, 2007\)](#)

## Selected FAQs ([quake.utah.edu](http://quake.utah.edu))

- How common is seismic activity in central Utah's coalfields?
- Why do seismologists say that the main seismic event on August 6, 2007, near the Crandall Canyon mine was not a naturally occurring earthquake?
- Could sudden deformation in a mine cause a seismic event as large as magnitude 3.9?
- University of Utah seismologists originally reported an earthquake at 02:48a.m. MDT on August 6. Did they change their minds? \*

## Selected FAQs (continued)

- How do the University of Utah and the U.S. Geological Survey fit into the picture of seismic monitoring in Utah? \*
- How accurate is the location reported by seismologists for the main seismic event on August 6?
- Did seismic activity occur near the Crandall Canyon mine before the August 6 shock?
- What about the aftershocks that occurred following the main seismic event on August 6?

# Location Map and Earthquake Setting (1978-2000)

