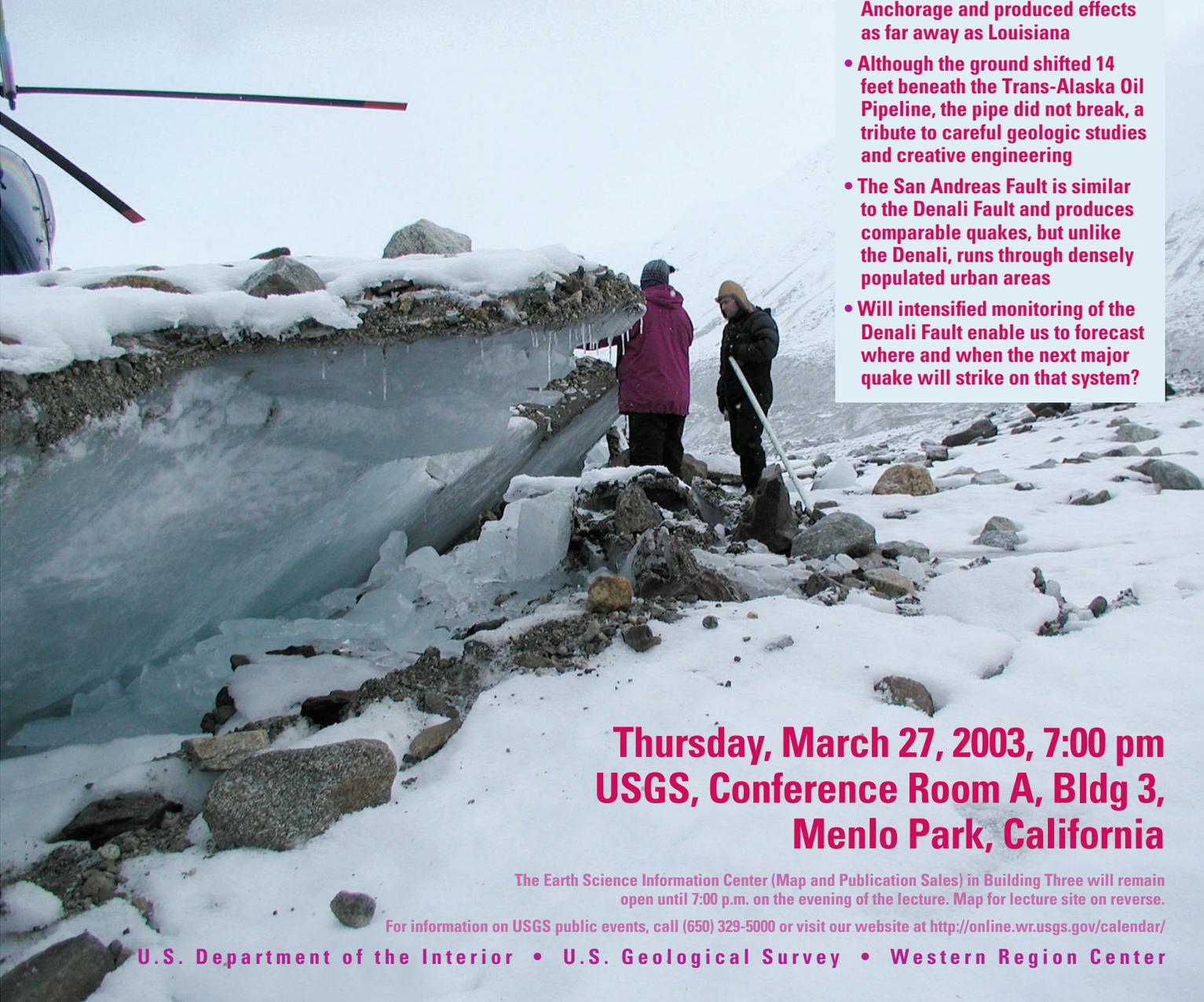


# The November 2002 Denali Fault Earthquake

## Was This Alaska Shock a Preview of California's Next "Big One"?

By David Schwartz, Tim Dawson, Dave Keefer, and Robert Kayen, Geologists

- This powerful magnitude 7.9 quake ruptured the fault for 184 miles, creating offset as great as 29 feet and causing thousands of landslides
- The quake's shaking was felt in Anchorage and produced effects as far away as Louisiana
- Although the ground shifted 14 feet beneath the Trans-Alaska Oil Pipeline, the pipe did not break, a tribute to careful geologic studies and creative engineering
- The San Andreas Fault is similar to the Denali Fault and produces comparable quakes, but unlike the Denali, runs through densely populated urban areas
- Will intensified monitoring of the Denali Fault enable us to forecast where and when the next major quake will strike on that system?



**Thursday, March 27, 2003, 7:00 pm**  
**USGS, Conference Room A, Bldg 3,**  
**Menlo Park, California**

The Earth Science Information Center (Map and Publication Sales) in Building Three will remain open until 7:00 p.m. on the evening of the lecture. Map for lecture site on reverse.

For information on USGS public events, call (650) 329-5000 or visit our website at <http://online.wr.usgs.gov/calendar/>

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