

Prehistoric Packrat Piles – *Archives of Climate Change*

by **Kenneth Cole, Research Ecologist**

- Piles of ancient vegetation hoarded by packrats are providing clues to past events of rapid climate warming – similar to those expected for the 21st century
- Preserved material shows the effects of three sudden warming events that occurred over the last 20,000 years
- Each historic warming event was followed by several thousand years of vegetation migration and succession
- Changes following these past warming events resemble some recently observed shifts in natural ecosystems, and can be incorporated into models of future ecosystems



Free Public Lecture • Thursday, **October 30, 2008** • 7p.m. USGS Conference Room A, Bldg 3 • 345 Middlefield Road, Menlo Park

USGS Evening Public Lecture Series info: 650-329-5000 or <http://online.wr.usgs.gov/calendar>. Map for lecture site on reverse
U.S. Department of the Interior • U.S. Geological Survey



Directions to USGS Menlo Park Science Center

The campus of the USGS Menlo Park Science Center is located at 345 Middlefield Road in Menlo Park

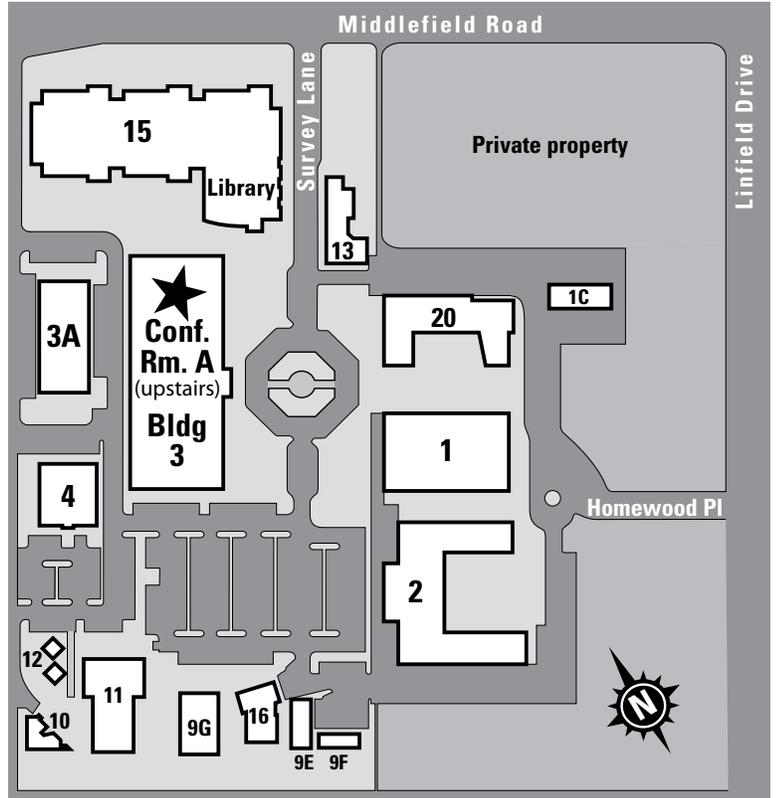
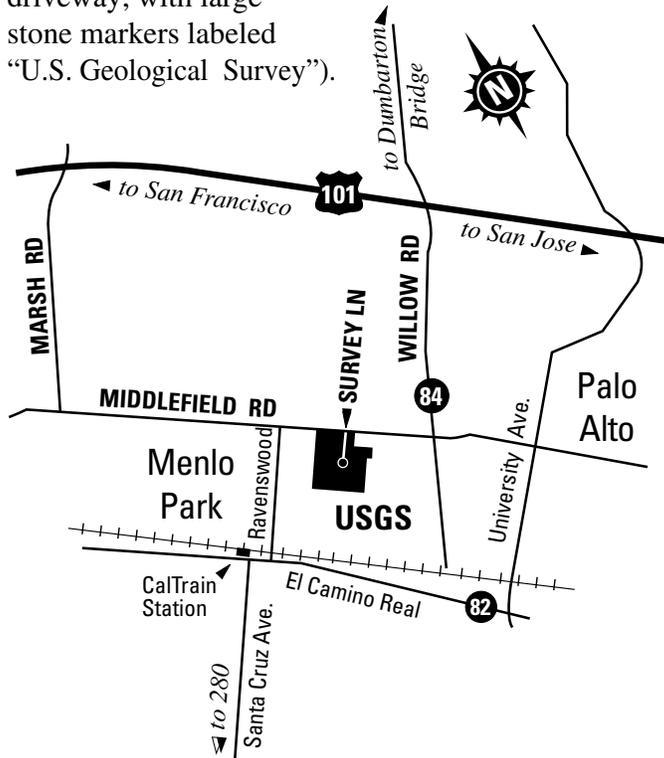
From San Francisco

- Exit highway 101 at Marsh Road, Atherton
- Go west to the T junction of Middlefield
- Turn left (south)

From San Jose

- Exit highway 101 at Willow Road, Menlo Park
- Go west to Middlefield
- Turn right (north)

Enter the USGS campus at Survey Lane (the main driveway, with large stone markers labeled "U.S. Geological Survey").



You may park in any of our parking areas and walk to Building 3

Free public lecture at U.S. Geological Survey

(Save trees and money, receive lecture flyers by e-mail: abarrales2@usgs.gov)



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