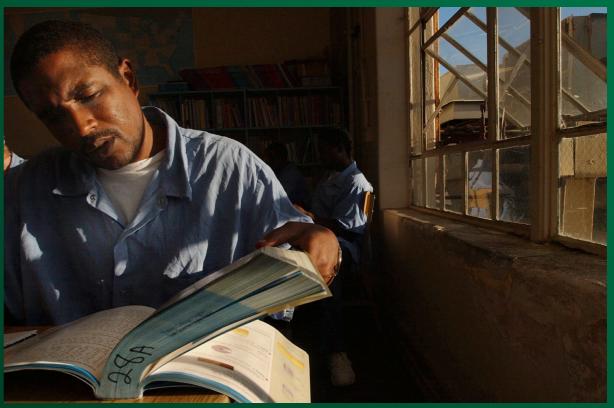
# Teaching in a prison helped reveal the challenges of urban teaching.





(photo by Ann Williams/Sacramento Bee)

Students were largely minority low socioeconomic background grew up almost entirely in URBAN settings.

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# Teaching in a prison helped reveal the challenges of urban teaching.

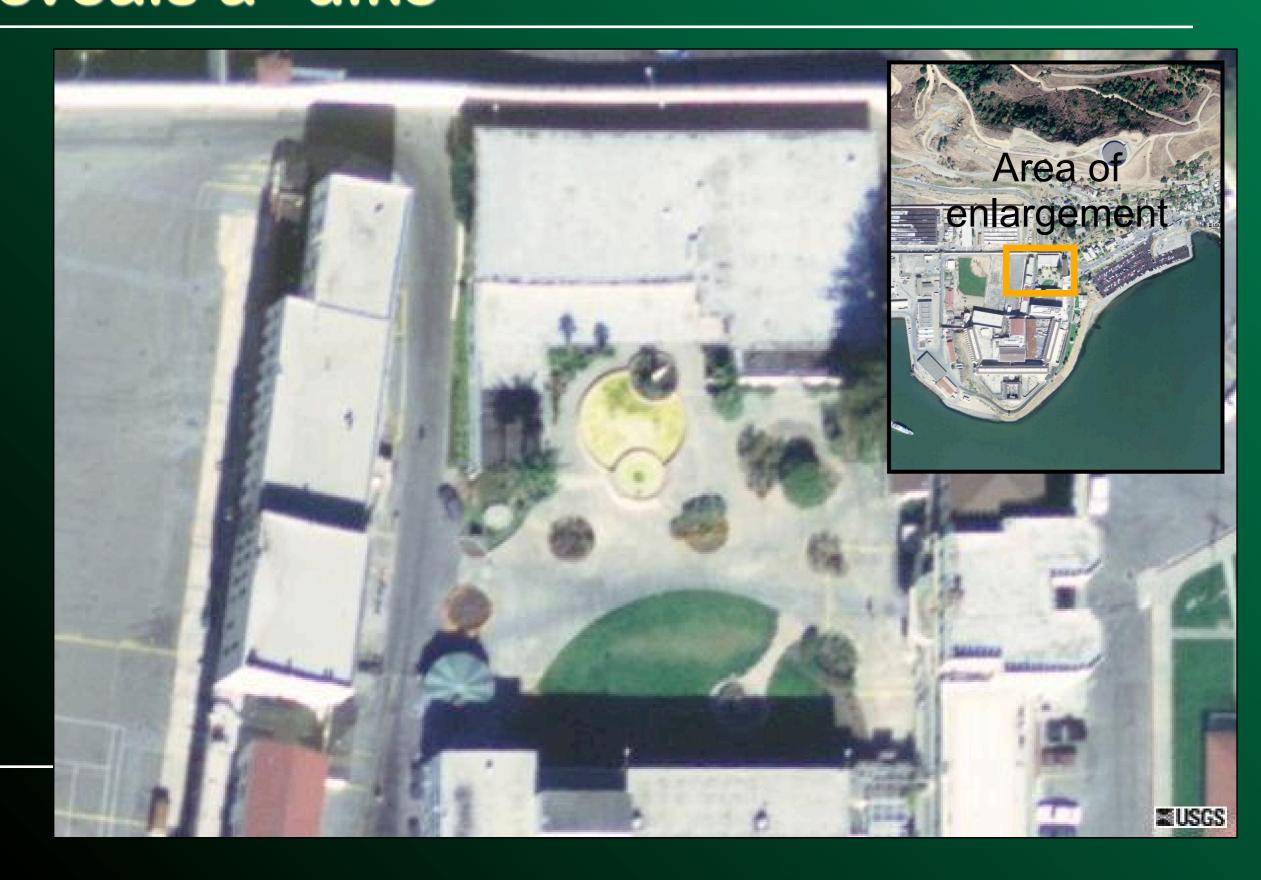


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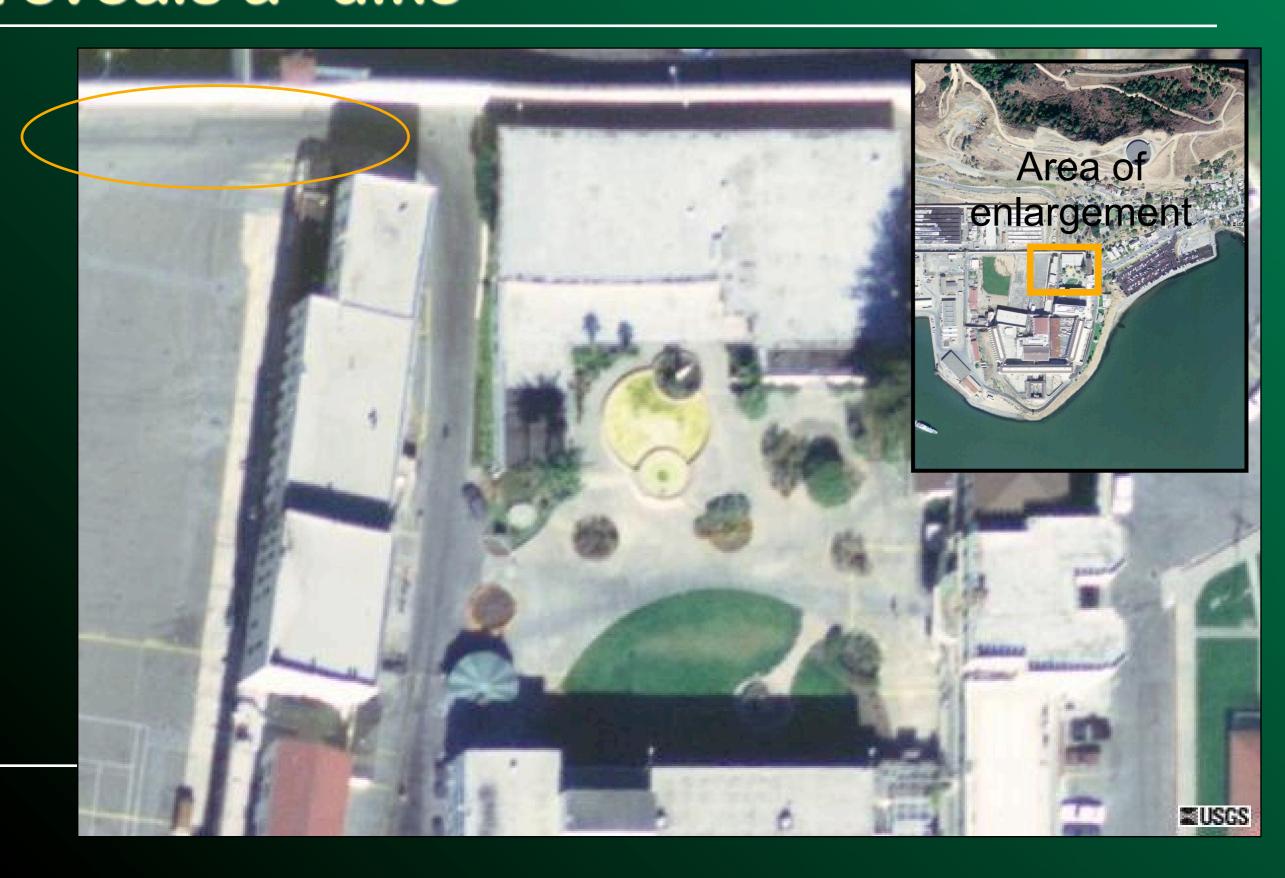
#### FIELD TRIP TO THE PRISON YARD



# Air photo mapping of the prison yard reveals a "dike"



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Air photo mapping of the prison yard reveals a "dike" Area of nlargement **■USGS** 

#### GEO-SLEUTH MURDER MYSTERY



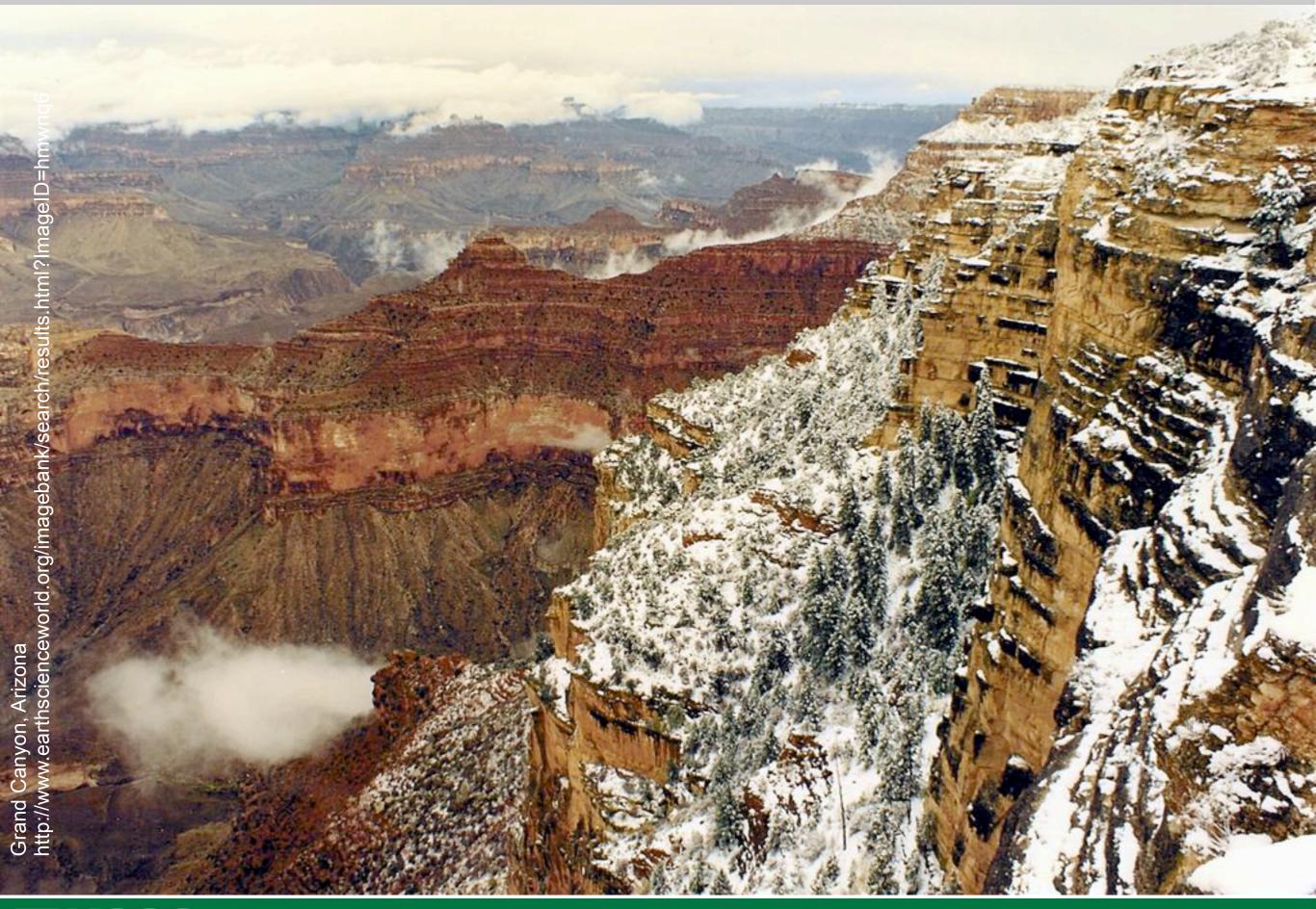
For Students: What was sequence of events? Who did it?

For Geologists: Can you identify the following geologic concepts in this murder mystery?:

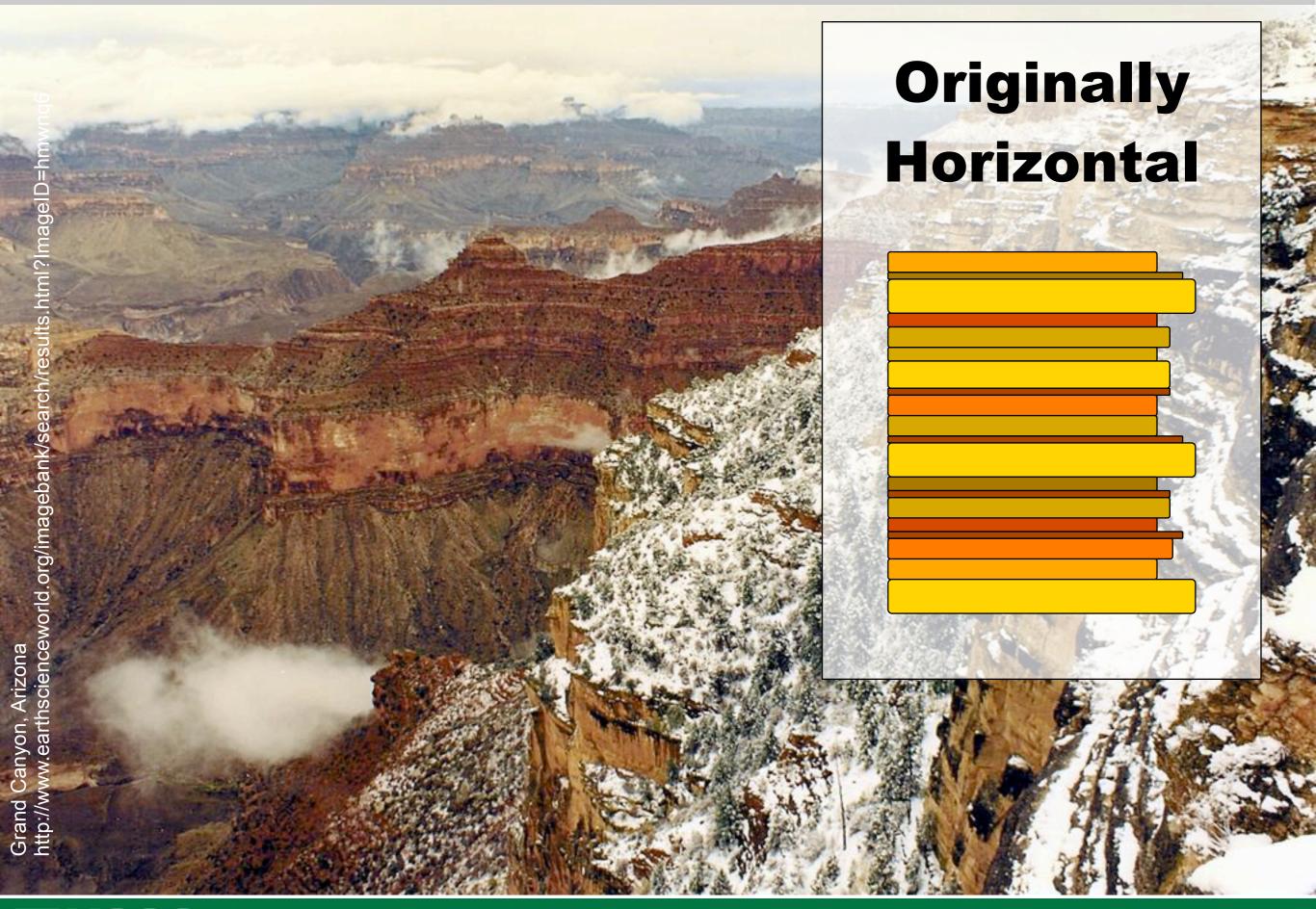
- Principle of Superposition
- Principle of Cross-cutting Relations
- Principle of Original Horizontality
- Relative Timing
- Absolute Dating
- Unconformity
- Using the laws of physics to explain past events

Common Sense!

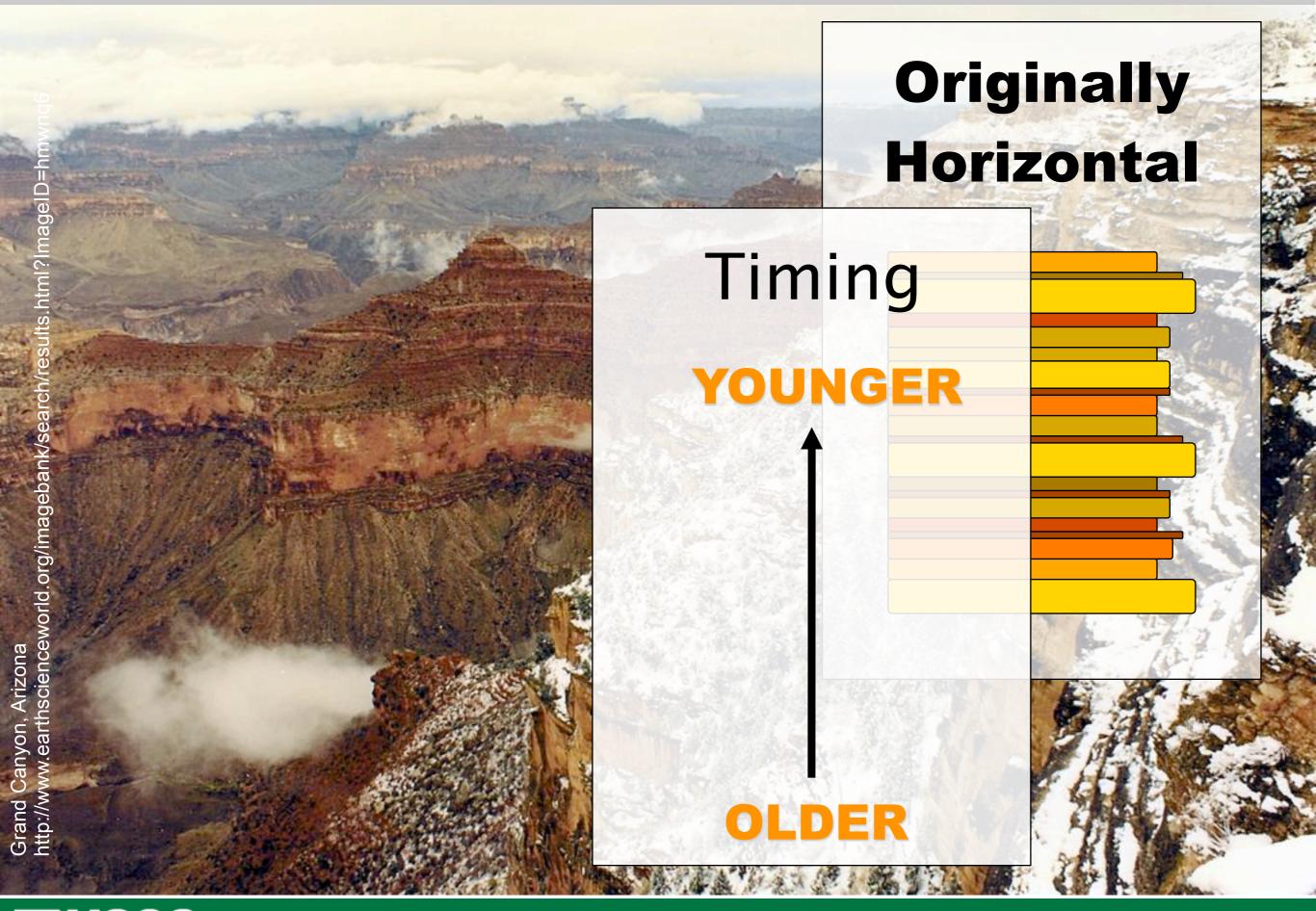






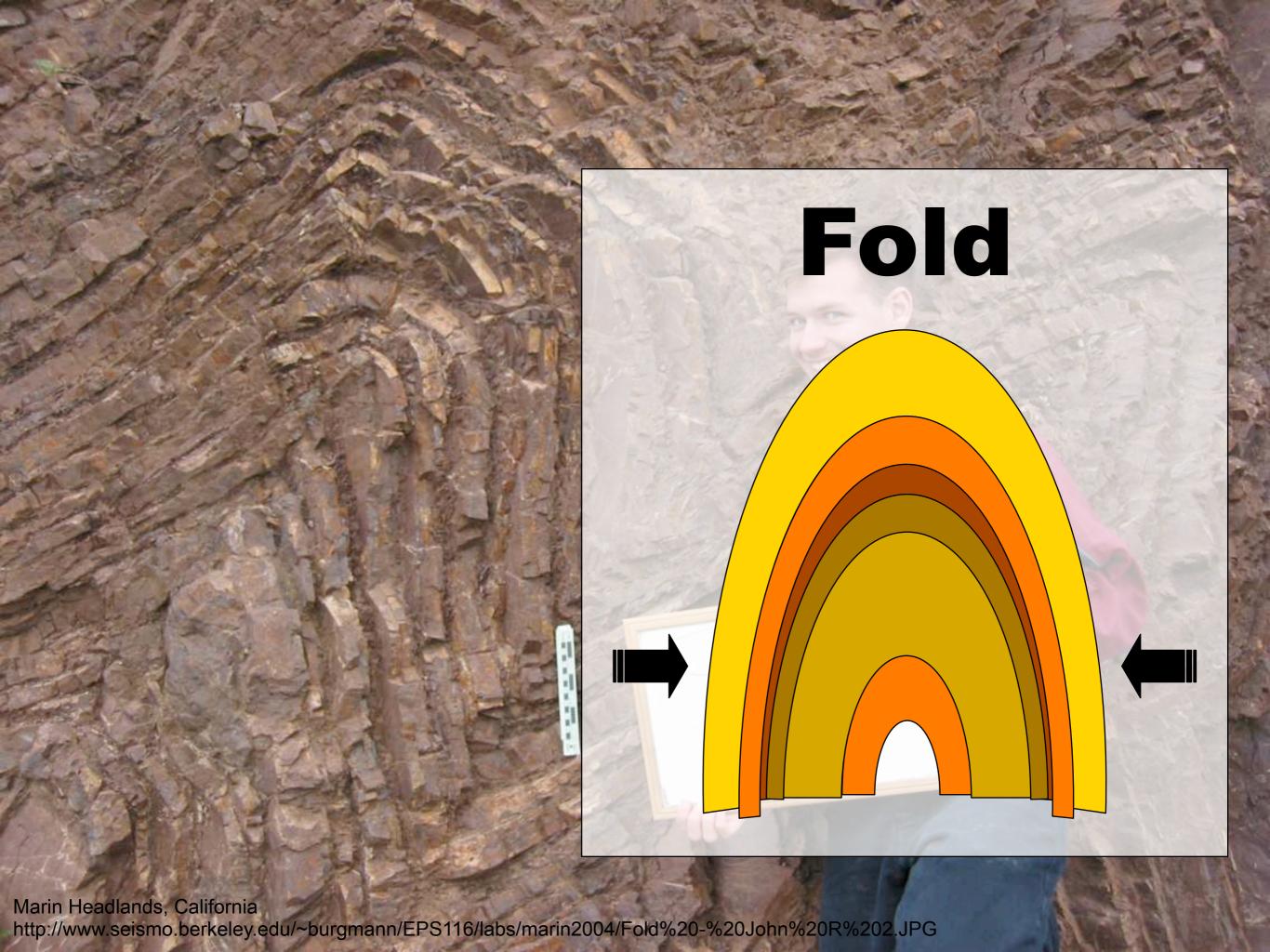








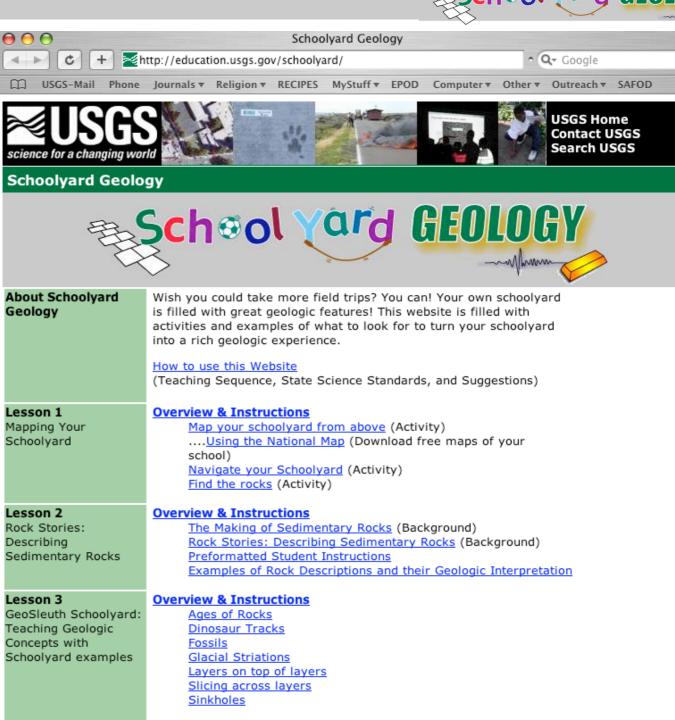








New USGS web site introduces geologic processes through short schoolyard "field trips"



Accessibility FOIA Privacy Policies and Notices

U.S. Department of the Interior | U.S. Geological Survey

URL: http://education.usgs.gov/schoolyard/

Page Contact Information: <u>Earthquake Hazards Webmaster</u> Page Last Modified: Tuesday, 9-Sep-2005 4:56:06 PDT



















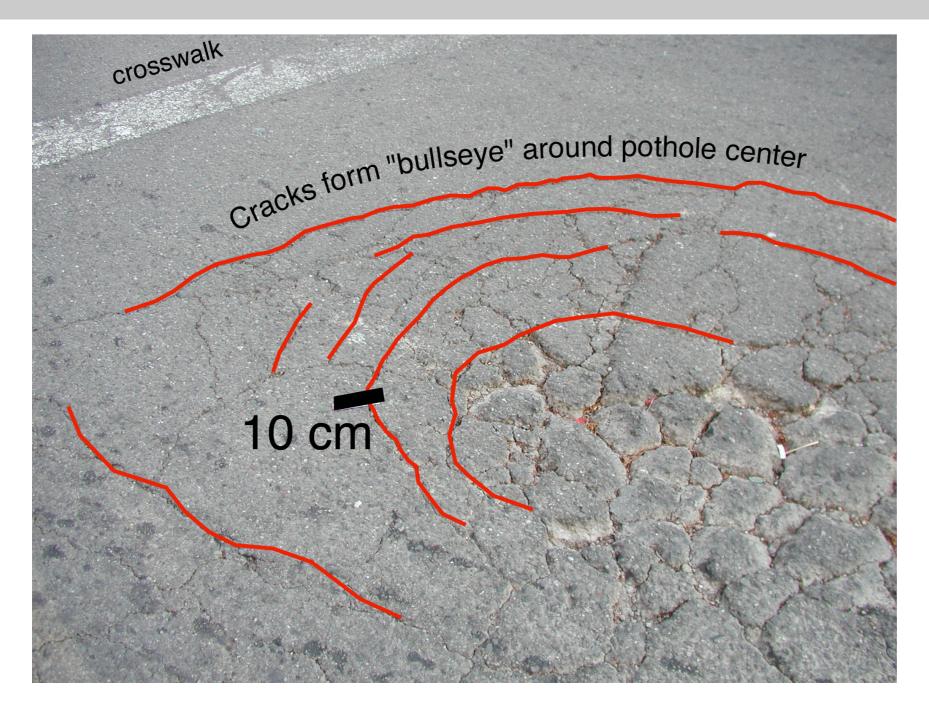




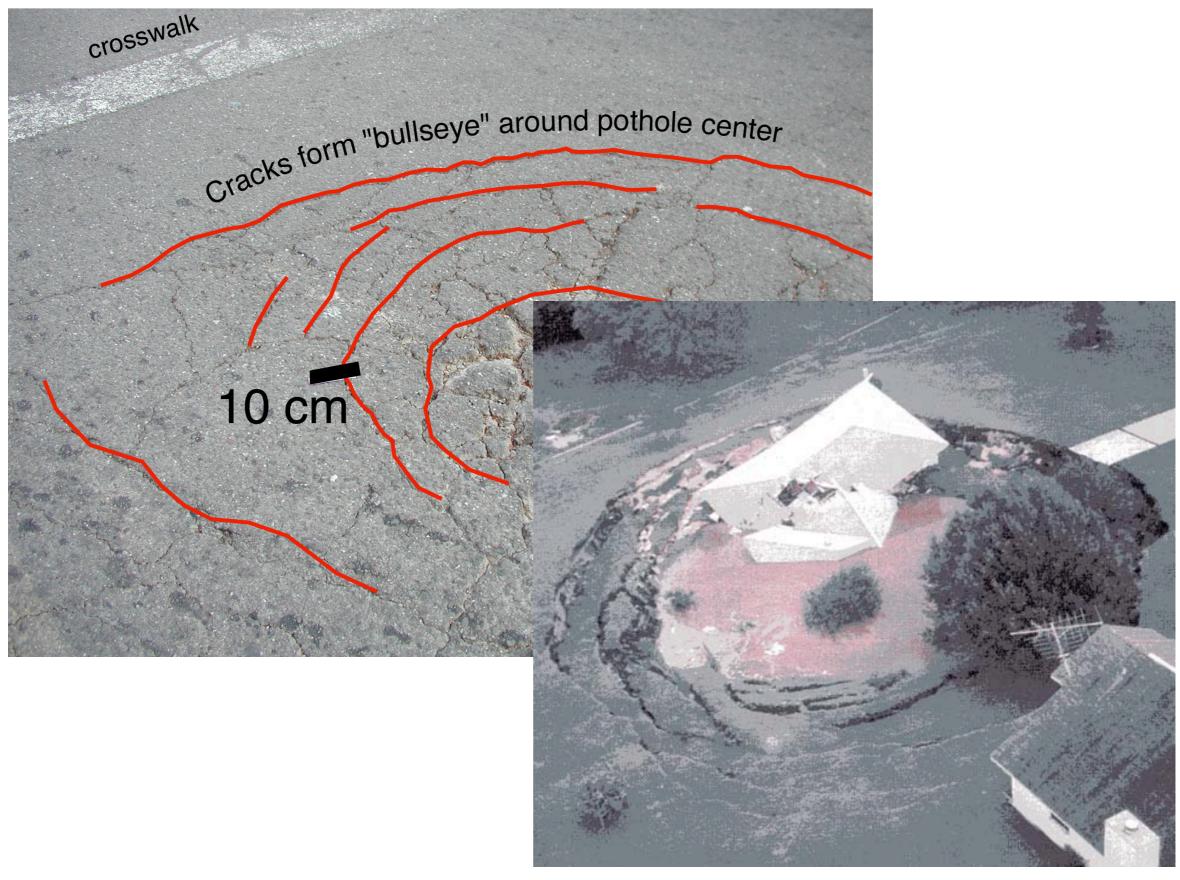














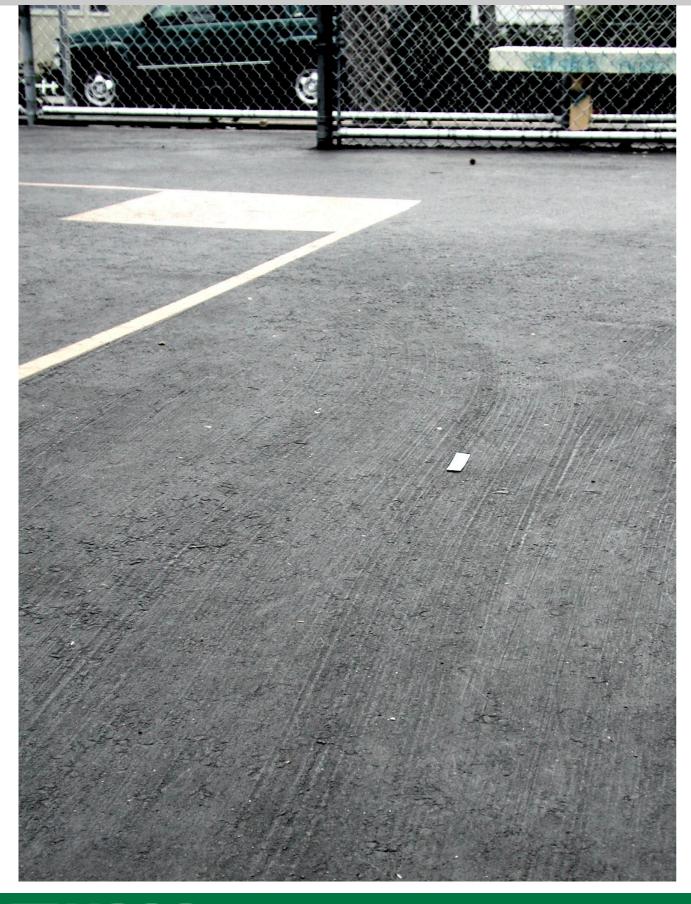




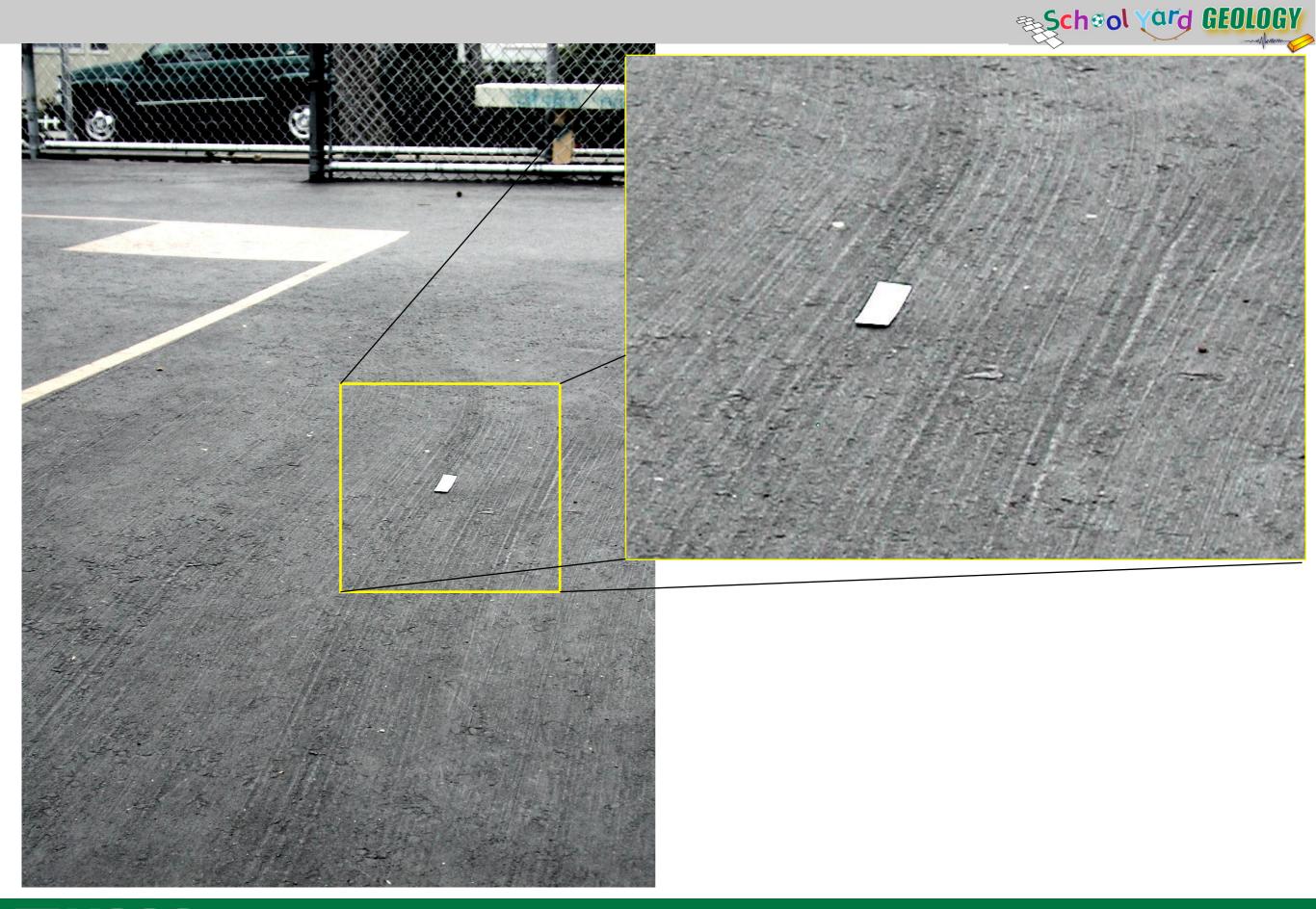




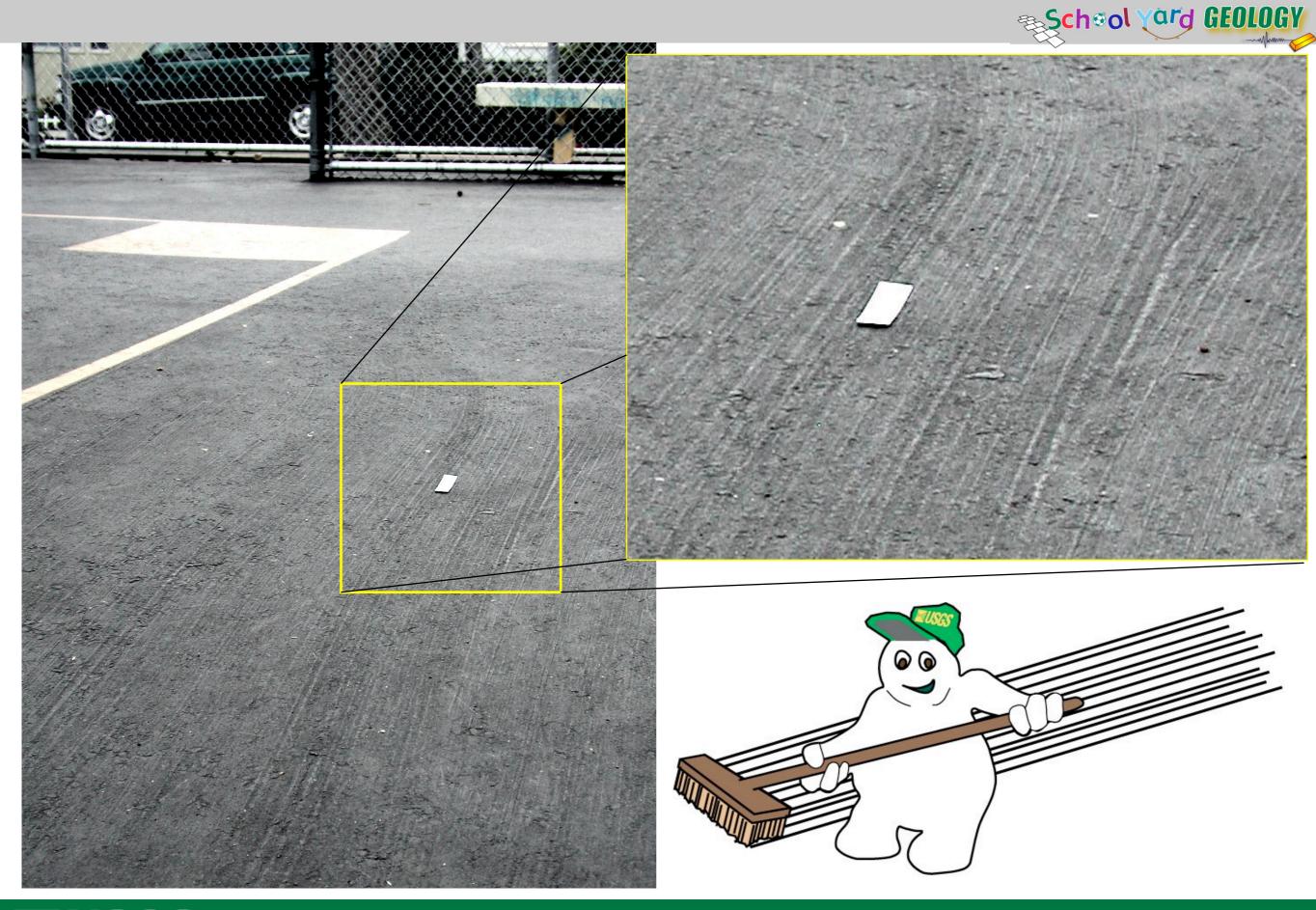






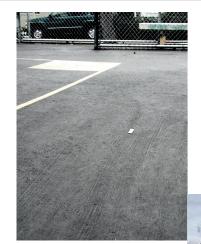






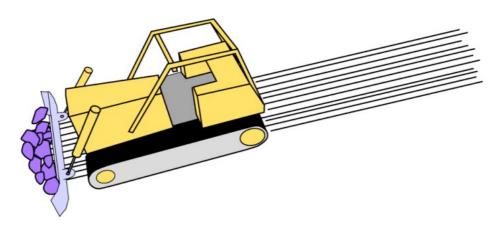




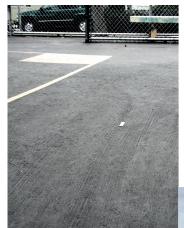




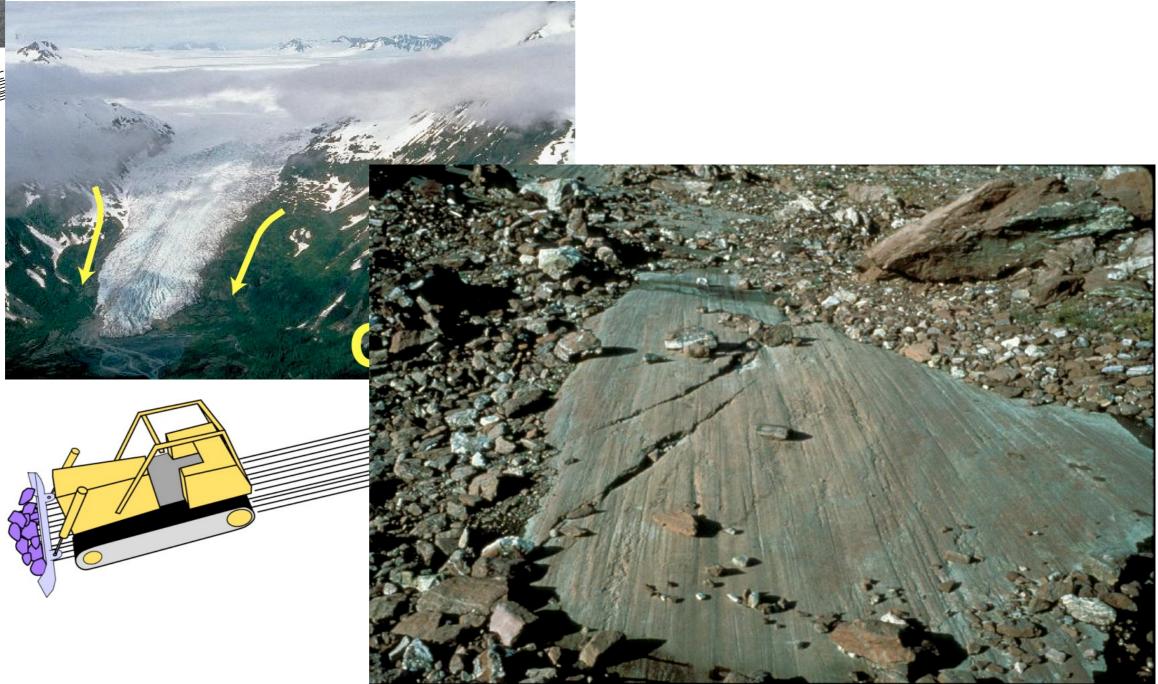








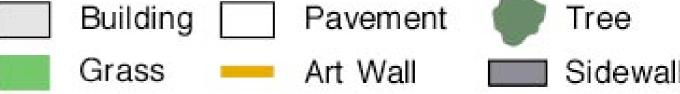








A better way to teach map scale!





#### Do analogies work?



Does the urban understanding translate into better "scientific" understanding?

A big difference between urban and natural processes is time scale. How can we help students grasp "deep time"?