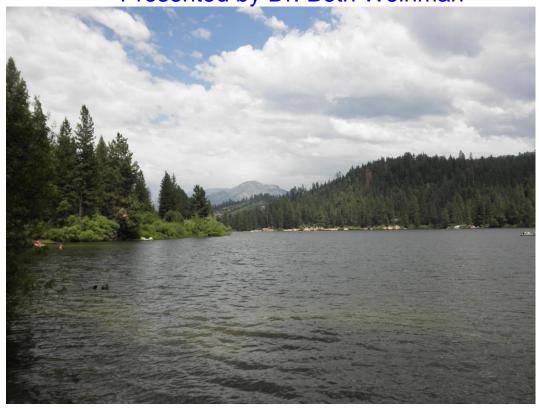
Central Valley Café Scientifique presents:

Chemical-weathering rates of aquifers and soils: using sediment-age-dating and geochemical mass-balance techniques to understand how groundwater gets its geochemistry





An important aspect of sourcing and maintaining our water supply deals with understanding how usable fresh-water resources gain their natural geochemistries. In not knowing from exactly where groundwater is gaining its geochemistry, the goal of this work tries to identify from where groundwater is gaining most of its geochemistry. In South and Southeast Asia, where many developing countries have natural arsenic contamination in their groundwaters, some work suggests that arsenic is sourced from an aquifer's overlying soils, while others surmise it to be due to weathering of the underlying aquifer matrix. Based on past research showing that "younger" material weathers faster than "older" material, one objective of this work was to test whether aquifer age was a determinant parameter in arsenic groundwater chemistry.

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Date	Location	Time	<u>Dinner will be served from 6 PM</u>
April 1, 2013	Café Via	7 PM	Price: \$12.00 per person; beer and wine extra
	6640 N Blackstone, Ste 106		
	Fresno, CA 93710		