

Beth Weinman
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a. Professional Preparation

CUNY Queens College, NY	Geology	B.S., 2002
Stony Brook University, NY	Ocean and Atmospheric Science	M.S., 2005
Vanderbilt University, TN	Environmental Science	Ph.D., 2010

b. Professional Appointments

2005-2017 - Member AGU
2005-2017 - Member GSA
2012-2017 - Water Cohort Fresno State
2015 – 2017 Fresno State Sustainability Club Faculty Advisor
2015-2017 - Proven Lead in Course Redesign with Technology California State University

c. Seminal Publications

Weinman, B. and Singhvi, A. (2011). Chemical-weathering rates of aquifers and the mixing of soils. *Current Science* (00113891) 101: 1136-1140.

Yoo, K., Weinman, B., Mudd, S., Hurst, M., Attal, M. and Maher, K. (2011). Evolution of hillslope soils. *Applied Geochemistry* 26: 149-148.

Weinman, B., Goodbred, S., Zheng, Y., Aziz, Z., Steckler, M., van Geen, A., Singhvi, A. and Nagar, Y. (2008). Contributions of floodplain stratigraphy and evolution to the spatial patterns of groundwater arsenic in Araihasar, Bangladesh. *Geological Society of America Bulletin* 120: 1567-1580.

Van Geen, A., Bostick, B., Trang, V.M., Manh, P.H., Viet, K., Azziz, J.L., Stahl, M.M., Harvey, C.F., Oates, P., Weinman, B., Stengel, C., Frei, F., Kipler, R. and Berg, M. (2013). Retardation of arsenic transport through a Pleistocene aquifer. *Nature* 501: 204-207.

Weinman, B., Gulliot, S., Garcon, M., Gajurel, A., Tisserand, D., France-Lanord, C., van Geen, A., Chakraborty, S., Huyge, P., Upreti, B.N. and Charlet, L. (2015). Origin of arsenic in Late Pleistocene to Holocene sediments in the Nawalparasi district (Terai, Nepal). *Environmental Earth Science* DOI 10.1007/s12665-015-4277-y.

(ii) Five other significant publications

Radloff, K., Zheng, Y., Stute, M., Weinman, B., Bostick, B., Mihajlov, I., Bounds, M., Rahman, M.M., Huq, M.R., Ahmed, K.M., Schlosser, P. and van Geen, A. (2015). Reversible adsorption and flushing of arsenic in a shallow, Holocene aquifer of Bangladesh. *Applied Geochemistry*.

Mudd, S., Yoo, K. and Weinman, B. (2014). Quantifying geomorphic controls on time in weathering systems. *Procedia Earth and Planetary Science* 10: 249-253.

Mudd, S., Hurst, M.D., Weinman, B., Yoo, K. and Naylor, M. (2015). Impact of change in erosion rate and landscape steepness on hillslope and fluvial sediments grain size in the Feather River basin (Sierra Nevada, California). *Earth Surface Dynamics* 3: 1-21.

Yoo, K., Weinman, B., Mudd, S., Hurst, M., Attal, M. and Maher, K. (2011). Evolution of hillslope soils. Applied Geochemistry 26: 149-148.

d. Synergistic Activities

SESYNC Case Study

Virtual Lab Proven Lead Faculty

Graduate student groundwater, REE, and Hg critical zone projects

Implement High Impact Practices to improve STEM retention

Co-creator and implementer of First Year Experience for all incoming College of Science and Math students

Interdisciplinary Water Cohort Member

e. Collaborators & Other Affiliations

(i) Collaborators

Matt Zivot, Jaime Arvizu, Mara Brady, Criss Wilhite, Chris Pluhar, Kerry Workman-Ford, Lily Senn, Nalong Mekdara, Miranda Lopez, CSM FLOCK

(ii) Graduate Advisors and Postdoctoral Sponsors

Steve Goodbred, Vanderbilt University (Graduate Advisor); Ashok Singhvi, Physical Research Laboratory, Ahmedabad India (Graduate Advisor); Kyungsoo Yoo, University of Minnesota (Post-Doctoral Advisor)

(iii) Thesis Advisor and Postgraduate-Scholar Sponsor

Cameron Alfvig, CSU Fresno; Michael Scott, CSU Fresno; Rohit Sharma, S. Dakota School of Mines; Tiffany Steinert, CSU Fresno