SSHCZO All Hands 2013 Agenda

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Wednesday, May 8th

Kip Solomon – arrival 5:01pm in SCE on Delta 4064; lodging at Atherton Hotel – Mike Gooseff will meet at airport, transport to hotel and dinner.

6:00pm Dinner at Spats: Kip, Mike, Scott and Brian

Thursday, May 9th

7:45am – 8:45am Kip breakfast with Pamela Sullivan, will meet in lobby of Atherton Hotel

9:00am – 10:00am –Meeting with: Yuning, Liz, Dave and Jason in **231 Forest Resources Building**

10:30am – 11:45pm –Meeting with: Pam, Andrew, Brian, Scott, Joe and others in **311 Hosler Building**

12:00pm – 3:00pm – Field Trip to CZO, meet in front of EES Building – box lunch for Kip, Frank and Steve

4:00pm – 5:00pm – Featured Seminar – Kip Solomon, Professor and Department Chair, Geology and Geophysics, University of Utah will speak on “***Adding Time to Geochemical and Hydrologic Processes using Environmental Tracers***” **in 301 Steidle Building**.

6:30pm Dinner at Zola – with Kip, Sue, Andrew, and Dave

Friday, May 10th

ALL HANDS MEETING - 117 EES Building

8:00am – 8:15am ***Welcome and Introductions- talks are to be 14 minutes followed by 5 minute Q/A session and 1 minute speaker switchover.***

8:15am – 8:35am Evan Thomas – ***Conceptualizing Hydrologic Pools at Shale Hills Using Water Stable Isotopes***

8:40am – 9:00am Nikki West – ***Quantifying regolith flux at SSHO, using meteoric 10Be and high-resolution LiDAR***

9:00am – 9:20am Xuan Yu – ***Cross-CZO applications of hydrological model PIHM: advantages and limitations***

9:20am –9:40am Lauren Smith – ***Aboveground Carbon Distribution and Net Primary Productivity at Shale Hills***

9:40am – 10:00am Pallavi Chattopadhyay – ***Fracture patterns and their relations to groundwater flow and chemistry within the shale hills critical zone observatory***

10:00am – 10:20am ***Break***

10:20am – 10:40am Ashlee Dere – ***Bioturbation and Erosion by Tree Throw in Forested Landscapes, Appalachian Mountains***

10:40am – 11:00am Yuning Shi – ***Resolving the fine scale land surface heterogeneity at the Shale Hills watershed using a land surface hydrologic model***

11:00am – 11:20am Yu Zhang – Geomorphology modeling

11:20am – 11:40am Lidiia Iavorivska – ***Dissolved Organic Carbon Dynamics in Precipitation of Central Pennsylvania as Influenced by Climatic Variability***

11:40am – 12:00pm Andrew Neal - ***UV/Visible Spectrometry to Determine Water Quality in Pristine and Impacted Streams***

12:00pm – 1:00pm ***Lunch and Discussions – 2217 EES Building***

***Poster Session Available During Breaks and Lunch***

Scott Hynek – ***Initial observations of deep groundwater beneath Shale Hills CZO***

Brian Clarke – ***Looking into the depths: imaging the subsurface architecture of the Critical Zone using geophysical surveys and deep drill cores.***

Nina Bingham – ***Carbon, Nitrogen and Manganese in Shale Soil Profiles along a Climate Gradient***

Burkely Twiest – ***Micrometeorology at Shale Hills: Exploration and Network Development***

Xin Gu – ***A new approach to the quantification of the pore structure of rocks using ultra-small and small angle neutron scattering: insight from porosity in weathered shale***

1:00pm – 1:20pm Katie Gaines – ***Patterns of tree xylem water isotopes and estimates of effective rooting depth at the SSHCZO***

1:20pm – 1:40pm Liz Hasenmueller – ***Depth and topographic controls on soil CO2 concentrations and fluxes***

1:40pm – 2:00pm Pamela Sullivan – ***Using WITCH to quantify landscape and hydrologic controls on solute fluxes in the Critical Zone***

2:00pm – 3:00pm ***Wrap-up and close meeting***

3:00pm – 6:00pm Free time for Kip, Scott or Chris may bring out to party.

**6:00pm – until??? CZO Social and Potluck (BYOB) @ Ault Home 350 Millgate Road, Bellefonte, PA**

<http://mapq.st/13801ml>

Saturday, May 11th

Kip Solomon – departure 6:25am in SCE on Delta 3948; shuttle to airport will be provided by Atherton Hotel.

Dates for Your Calendar: September 30th – October 4th, 2013 National CZO All Hands – University of Delaware

Tentative Schedule:

Mon-Tues: Software Carpentry Boot Camp: Beyond Excel-Simple Modeling of CZ Data

Wed-Friday: meeting and field trip

Sat-Sunday: activities for graduate students and postdocs

