

Agricultural Experiment Station Report

Janis Boettinger
Utah State University

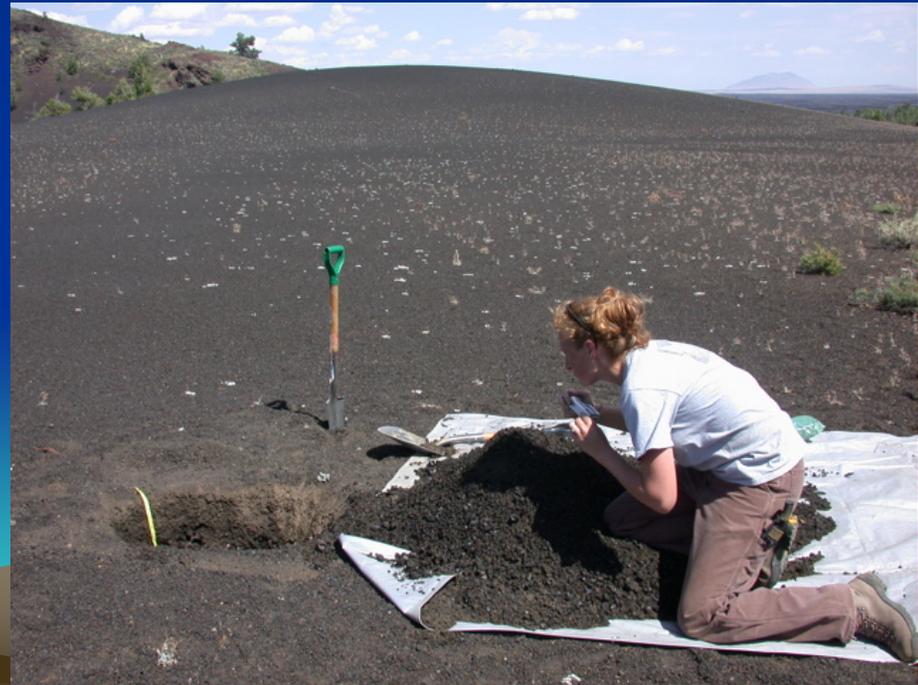


Idaho

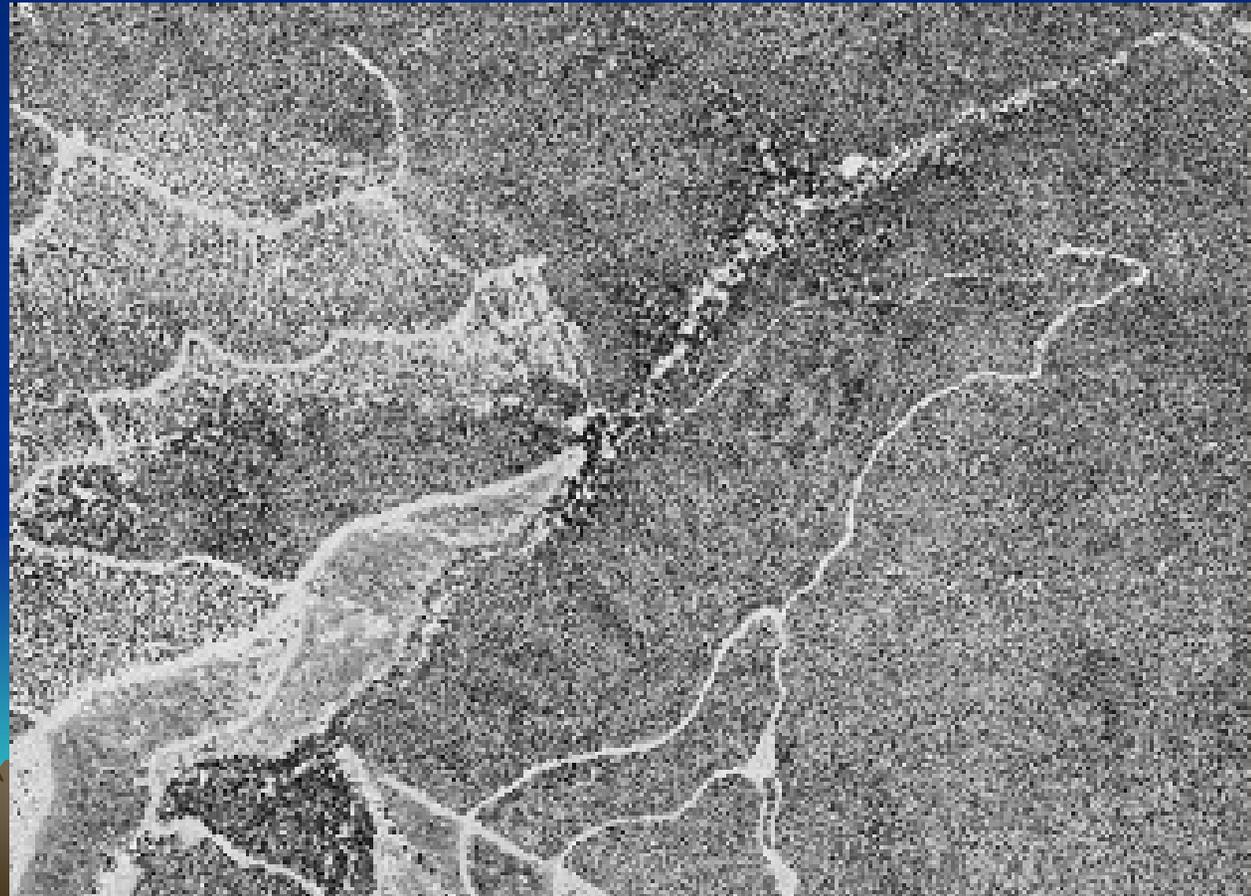
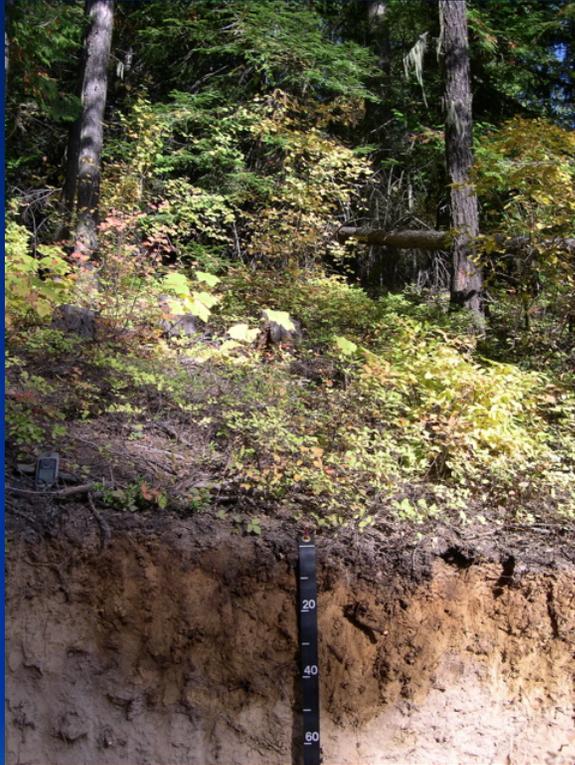
- Paul McDaniel
 - University of Idaho



Craters of the Moon National Monument



Influence of Terrain Attributes on Volcanic Ash Thickness in Northern Idaho

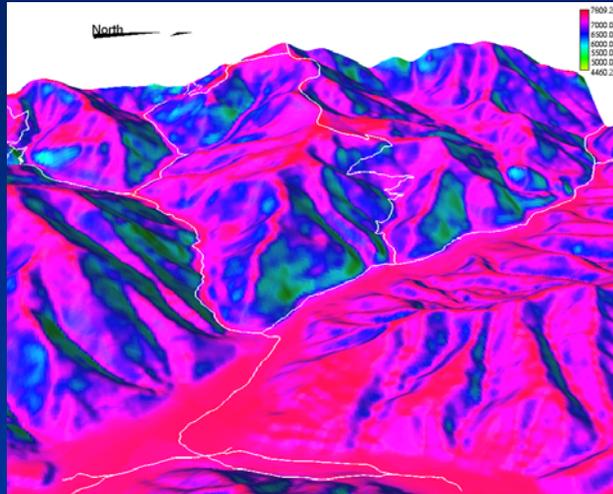


California

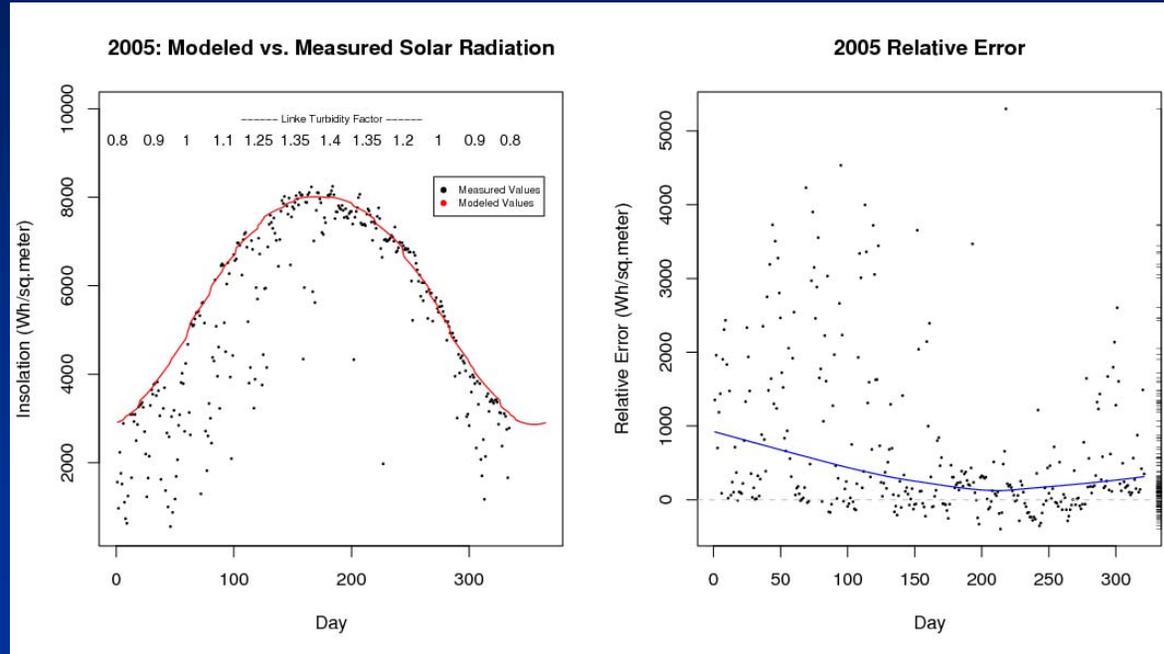
- Anthony (Toby) O'Geen
 - University of California, Davis



Pinnacles National Monument

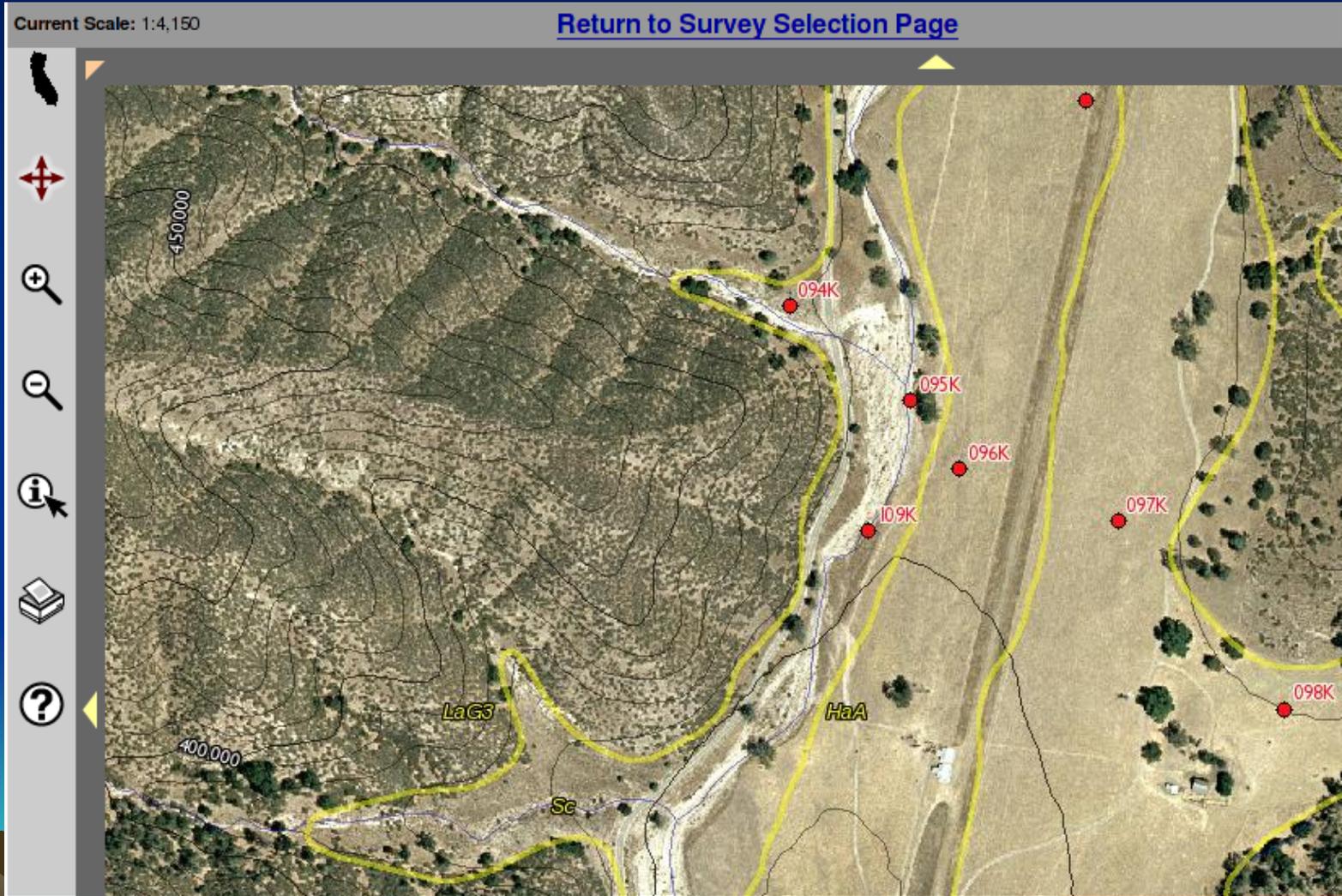


Solar Radiation Models



Calibration and Validation of Solar Radiation Data
via local Weather Station

Pinnacles National Monument



California

- Randy Southard
- Mike Singer
- Randy Dahlgren
 - University of California, Davis



California

- Robert (Bob) Graham
 - University of California, Davis
- Soils in a mountain-piedmont-playa landscape in the Mojave Desert
- Soil development: Debris flow chronosequence in the San Bernardino Mts
- Forensic soils database and source map for an area in southern California
- Soil and bedrock water relations in the karst terrain of Yucatán



New Mexico

- Curtis Monger
 - New Mexico State University
- Desert Eco-Pedology
- Carbon Movement Into, Through, and Out of Chihuahuan Deserts Soils



Paleopedology



Washington

- Bruce Frazier
 - Washington State University
 - Alan Busacca “retired”
- Proposal to continue work on the RASP (Remote Area Soil Proxy) modeling techniques in the North Cascades



Oregon

- Jay Noller
 - Oregon State University
- Digital Soil Prediction and Mapping



Arizona

- Craig Rasmussen
 - University of Arizona
- Soil C dynamics in hyperthermic rangeland
 - Red Rock Ag Center
- Impact of AI on organic C dynamics in Ponderosa pine
 - Coconino NF
- Soil development and biogeochemistry across semi-arid environmental gradient
 - Saguaro National Park



Montana

- David Brown
 - Montana State University
- Coal-bed methane water application impacts
 - Custer NF, Ashland district
- Soil & ecological mapping
 - Custer NF, Beartooth district
- Proximal VNIR Diffuse Reflectance Spectroscopy for soil clay mineralogy



Nevada

- Brenda Buck
 - University of Nevada Las Vegas
 - Patrick Drohan recently moved to New York
- Sulfate-rich, hypersaline soils



Wyoming

- Larry Munn
- Jay Norton
 - University of Wyoming



Utah

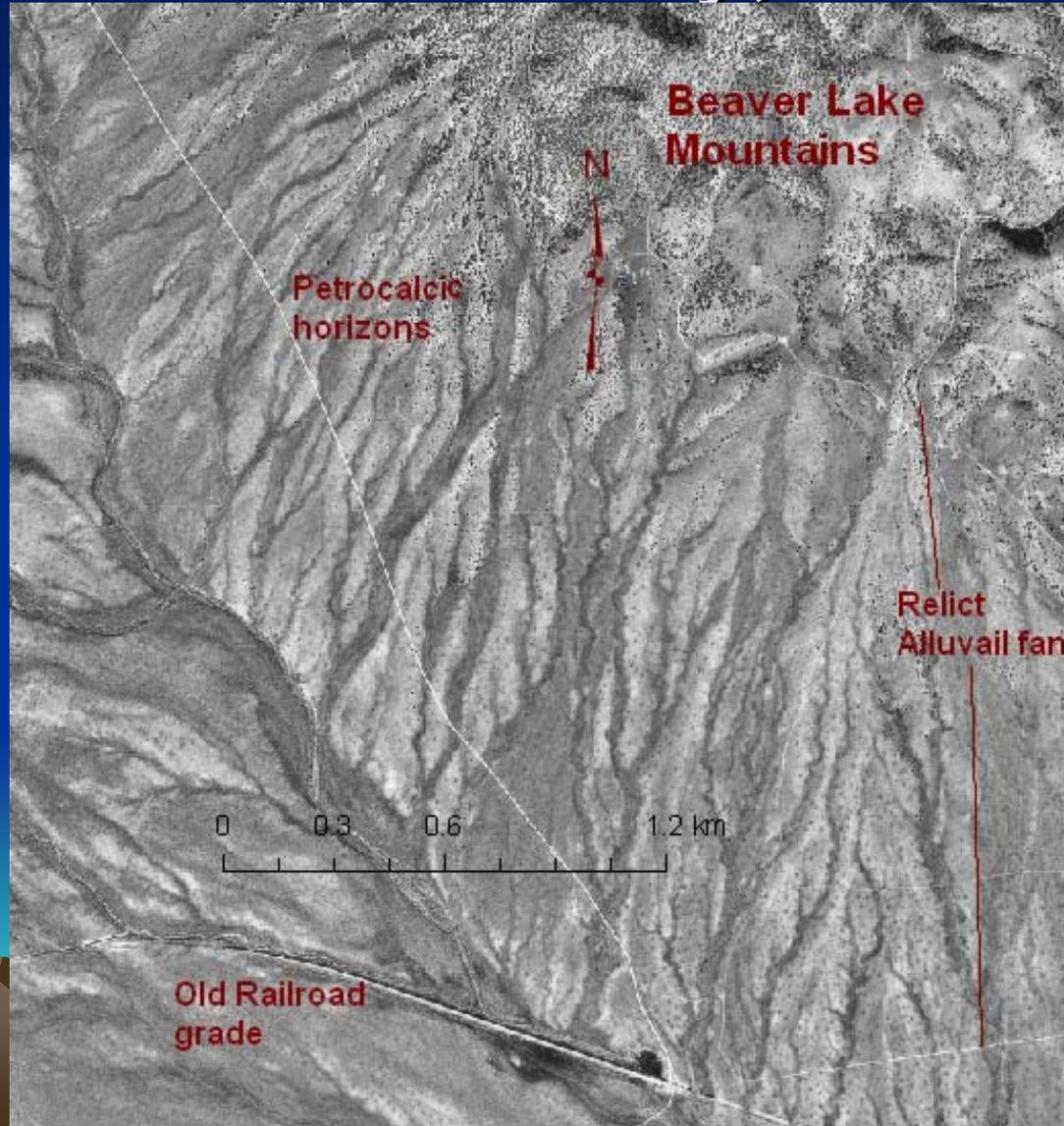
- Janis Boettinger
 - Utah State University
- Various activities in Utah
- Landsat and DEM to advance soil mapping in Wyoming
 - Pedogenic Understanding Raster Classification (PURC) Methodology
 - Unsupervised Classification, Supervised Classification, Classification Tree Analysis
 - Powder River Basin
 - Green River Basin



Soil Survey of southern Wind River Mountains, Shoshone NF



Digital Soil Mapping, Beaver County, Utah



Conclusion

- Western AES Investigators very active in cooperative soil survey activities
 - Advance soil mapping
 - Advance soil interpretations, use
 - Train future soil scientists



Happy 80th Birthday!

- Al Southard
 - Academic Father and Grandfather

