BIOSPHERE 2 RESEARCH EXPERIENCES FOR UNDERGRADUATES SITE: EARTH SYSTEMS RESEARCH FOR ENVIRONMENTAL SOLUTIONS (B2 REU)

PI: Katerina Dontsova, PhD Co-PI: Kevin Bonine, PhD

Sponsors: National Science Foundation Research Experiences for Undergraduates (NSF

REU) Program and University of Arizona Graduate College



Terra Galyon

Environmental Science at Haskell Indian Nations University Mentored by Dr. Greg Barron-Gafford (Geography, Development & Environment)



Agrivoltaics Land Use Practices Lower Soil pH, Carbon, and Nitrogen Concentrations: Comparing the Soil Environment Between Biosphere 2's Agrivoltaics System and its Control

Aaron Goldtooth

Mathematics; Astronomy; and Physics at University of

Arizona

Mentored by: Dr. Guo-Yue Niu (Hydrology & Atmospheric

Science)



Recession Flow Analysis of the Ohio River Basin: Historical Aquifer Depth Trends

Aleisha Kim Lerma

General Biology at Northern Arizona University

Mentored by: Dr. Laura Meredith (Natural Resources and the Environment)



Chemical Analysis of Soil Affected by Wildfire and Drought; Soil from the Bighorn Fire and Biosphere Rainforest Drought

Denise Živković

Environmental Science at Westminster College

Mentored by: Dr. Greg Barron-Gafford (Geography, Development & Environment)



The Potential for Agrivoltaics to Decrease Temperature Sensitivity in Food Crops