**Joint ALUFS & Water SWAT Team Meeting**

*In attendance: Art Schmidt, Brent Lewis, Morgan Johnston, Micah Kenfield, Rabin Bhattarai, Chibuihe Asonye, Stephanie Cash*

1. Introductions and discussion of shared objectives between ALUFS & Water SWATeams.
   1. The ALUFS (Agriculture, Land Use, Food & Sequestration) SWATeam and the Water & Stormwater SWATeam are both concerned with stormwater quality and sustainable water use.
   2. Outreach to Students: Both teams have questions regarding how to get projects to students and when to bring ideas to faculty or to the iCAP Working Group (iWG).
2. Stormwater & Agricultural Runoff Quality
   1. Reduction of Nitrates in Agricultural Runoff: ALUFS SWAT has requested information from South Farms regarding nitrates (as well as emissions, pesticide, and fertilizer use). The information is difficult to obtain because there is no central tracking (each piece of land has its own manager) and there concerns for research privacy.
   2. Monitoring Stormwater Quality: Water SWAT has been discussing the idea of having students monitor stormwater quality using portable meters, which could be funded through Student Sustainability Committee (SSC) funds.
      1. Ideas:
         1. Contact graduate student from Carla Caceres Lab who is performing water quality tests.
         2. Perform tests at “Joe Edwards” spot, where water from various watersheds converge.
         3. Contact Paul Davidson from Department of Agricultural & Biological Engineering (ABE) regarding test plots.
         4. Contact Bruce Branum from ACES regarding turfgrass and nutrient fate.
   3. Other issues/questions:
      1. There is no stormwater master plan, only project specific stormwater plans.
      2. What Municipal Separate Stormwater System (MS4) credits should the university apply for?
      3. There are multiple overlapping study projects on local watersheds. How do we find them?
3. There are new opportunities on campus to work towards sustainable landscapes and reduced water use.
   1. DIA Facilities: Director of Athletics, Josh Whitman, and Senior Associate Director of Athletics, Brett Stillwell, are interested in new ways to reduce irrigation water for Division of Intercollegiate Athletics (DIA) facilities. For example, irrigation systems could use soil moisture sensors and weather forecast data to water where and when it is necessary.
   2. Parking Facilities: Chancellor Robert Jones is interested in permeable pavements and parking lots with trees. Morgan has spoken with Assistant Director of Facilities, Michael Wise, who has suggested a parking lot that will be renovated in a few years.
      1. Ideas: Student conceptual design for parking lot. Reach out to Mary Pat McGuire, Assistant Professor in Landscape Architecture, and Keith Erickson.
   3. Grants for Research: Ximing Cai, Associate Director for Campus Sustainability, wants to focus on research related to campus sustainability. He has a graduate student who has identified specific grants that can be used for iCAP related projects.
4. Other Potential Projects:
   1. App for georeferenced photos to report stormwater issues and repair needs.
   2. Follow up project on Scott Douglas’ inventory of green infrastructure and opportunities.
   3. Development of sustainable agricultural management plans.
   4. Inventory for water use on campus.