



Fieldtrip Descriptions

Wednesday, August 22nd @ 1:30pm – 5:00pm

Fieldtrip A: A Look at Watershed Restoration in the Arid Southwest

Moderator: Kali Bronson, Bernalillo County
Assistant Moderator: TAMUK

Presented by: Jim Brooks, Adaptive Terrain Systems
Steve Glass, Ciudad Soil & Water Conservation Association
Jennifer Owen-White, U.S. Fish & Wildlife Service
USGS
AMAFCA
Bosque Ecological Monitoring Program (BEMP)

Description: Visit the Tijeras Remediation Project (TRP) rehabilitation project and Valle de Oro (VdO) urban wildlife refuge. The TRP re-established the stormwater detention and erosion reduction functionality of the facility. Adjacent to the TRP is an unimproved and undeveloped property for comparison. Valle de Oro National Wildlife Refuge is the Southwest's first urban wildlife refuge and will serve as an urban oasis for both wildlife and people, just minutes from downtown Albuquerque. Valle de Oro NWR offers a unique environmental education and recreation opportunity in a highly populated area while promoting a wildlife conservation message. Providing a drainage outfall through Valle de Oro NWR will provide the community with flood relief, improve water quality before stormwater is discharged to the Rio Grande, and provide additional water for restoration of diverse natural habitats to support environmental education.

Wednesday, August 22nd @ 1:30pm – 5:00pm

Fieldtrip B: Stormwater Quality and Engineering

Moderator: Patrick Chavez, P.E., AMAFCA (tentative)
Assistant Moderator: TAMUK

Presented by: Patrick Chavez, P.E., AMAFCA
Bruce Thomson, P.E., Engineering Professor, UNM

Description: Visit the University of New Mexico's Open Channel Hydraulics Laboratory and see a model of a flood control/stormwater quality project from the Albuquerque area. Visit stormwater quality projects that have been previously modeled in the hydraulics laboratory. Selected sites may include the South Diversion Channel Baffle Chute that utilizes wedged wire screens for sediment and vegetation removal, the Hahn Arroyo Rehabilitation Project, and the AMAFCA Water Volcano stormwater quality installation.

Fieldtrip Descriptions

Wednesday, August 22nd @ 1:30pm – 5:00pm

Fieldtrip C: Green Stormwater Infrastructure and Arid Low Impact Design (GSI/AridLID)

Moderator: Dave Gatterman, P.E., SSCAFCA
Assistant Moderator: TAMUK

Presented by: Dave Gatterman, P.E., SSCAFCA
George Radnovich, Sites Southwest
Tim McDonough, P.E., Village of Los Ranchos (Tentative)

Description: Visit GSI/AridLID project installations and understand how these installations function and how some differ in order to accommodate an arid environment. Sites may include the SSCAFCA Upper Montoyas Arroyo project, the Village of Los Ranchos 4th Street Redevelopment Project (where there is no stormwater discharge from the site), and an underground infiltrator installation in the Steel Benders brewery parking lot.

Wednesday, August 22nd @ 1:30pm – 5:00pm

Fieldtrip D: Green Stormwater Infrastructure and Arid Low Impact Design (GSI/AridLID) Design Charrette

Moderator: Andrew Bernard, Sites Southwest
Assistant Moderator: TAMUK

Presented by: Andrew Bernard, Sites Southwest
Brad Sumrall, P.E., Weston Solutions (tentative)
TBD

Description: In the arid climate of New Mexico, Green Stormwater Infrastructure (GSI) and Low Impact Development (LID) requires special considerations to be successful. This workshop/field trip will engage participants to apply their existing knowledge of GSI/LID as well as to practice many new techniques gleaned from conference sessions to help Albuquerque envision potential solutions and interventions in sustainably managing storm water. In this session, you will visit a problem site and conduct an analysis. We will then return to the conference facility where participants will then work as groups to flush out design ideas into a rough presentation of their design solutions. The projects will then be displayed at the conference for sparking discussion or perhaps will influence actual projects in the near future. Project location TBD