

# 11<sup>th</sup> Annual Espanola Basin Technical Advisory Group (EBTAG) Workshop

Tuesday, May 15, 2012

## “Espanola Basin Watersheds: Natural and Anthropogenic Impacts on Surface Water and Ground Water Resources”

Santa Fe Community College, Jemez Rooms, Main Administration Building

### WORKSHOP PROGRAM

- 7:45-8:30 a.m.      **Registration**  
Pick up badges, programs and sign in; poster set up and viewing
- 8:30-8:45 a.m.      **Welcome and Introductory Remarks**  
What is EBTAG and why the annual Espanola Basin Workshops? Charlie Nylander, Chair, EBTAG
- 8:45-9:15 a.m.      **Analysis of Floods and Debris Flow Hazards Following Short Duration, High Intensity Rainfall Events on Las Conchas and Track Fire Burn Scar Areas During the Summer 2011, Northern New Mexico;** Anne C. Tillery and Kerry Jones
- 9:15-9:45 a.m.      **Post Las Conchas Fire Impacts on Water Quality in the Rio Grande During 2011:** Ralph E. Ford-Schmid
- 9:45-10:15 a.m.      **The Buckman Direct Diversion (BDD) Project’s Proactive Approach to Protect Public Drinking Water Safety in the Wake of the Las Conchas Fire:** Erika Schwender and Robert Mulvey
- 10:15-10:30 a.m.      **Coffee Break**
- 10:30-11:00 a.m.      **Post-Las Conchas Fire Effects in Los Alamos Canyon Stormwater:** Amanda B. White, Paul Mark, Steve Renuau, and Danny Katzman

- 11:00-11:30 a.m. **Post-Fire Sediment Transport and Erosion in the Water Canyon and Cañon de Valle Watershed, Jemez Mountains**  
**New Mexico:** Paul Drakos, Steven Reneau, Emily Schultz-Fellenz, Jim Riesterer, Rick Kelley, Elizabeth Miller, Phillip Goetze, and Paul Chamberlain
- 11:30-12:00 p.m. **Los Alamos County San Juan Project Water Project:**  
Kelly Anne Collins and Steve Finch
- 12:00-1:15 p.m. **Lunch Break** (food available for purchase at cafeteria next door)
- 1:15-1:45 p.m. **Estimates of Sediment Yield and Peak Flows Following a Potential Catastrophic Fire and Prescribed Fire in the Santa Fe Upper Watershed, New Mexico:** Amy C. Lewis
- 1:45-2:15 p.m. **Geochemical Processes Controlling Transport and Deposition of Uranium, Española Basin, New Mexico:**  
Patrick Longmire, David Vaniman, Michael Rearick, Virginia T. McLemore, Stephen Wiman, Dennis McQuillan, Ardyth Simmons
- 2:15-2:45 p.m. **A Summary of Syn-Rift Depositional, Tectonic, and Volcanic Changes in the Española Basin, Northern Rio Grande Rift, New Mexico:** Paul Drakos, Steven Reneau, Emily Schultz-Fellenz, Jim Riesterer, Rick Kelley, Elizabeth Miller, Phillip Goetze, and Paul Chamberlain
- 2:45-3:00 p.m. **Break**
- 3:00-3:30 p.m. **Water Resource Investigations within the Lower Santa Fe Watershed, Santa Fe County, New Mexico:** Karen Torres
- 3:30-4:00 p.m. **Vulnerability Factors for Groundwater Contamination From Onsite Wastewater Systems:** Dennis McQuillan & James Vincent
- 4:00-5:00 p.m. **Poster Session**

Wednesday, May 16, 2012

## WATERSHED IMPACTS OF THE LAS CONCHAS WILDFIRE FIELD TRIP

8:00 a.m.-3:00 p.m.

**Theme:** The field trip will include a tour of Las Conchas Wildfire Burned Area, including Dixon Apple Orchard area to see burn severity, current status of erosion, soil stability, and vegetation rehabilitation, as well as areas susceptible to future mass wasting and erosion.

**Field Trip Coordinator:** Charlie Nylander

**Meeting Place and Time:** Meet at the De Vargas North, Shopping Center Parking Lot at 8:00 a.m. for car pool.

**Directions:** Travel north on HW 84/285 to Pojoaque; turn on SR 502 and drive to Los Alamos on Main Hill Road; drive through Los Alamos on Trinity Drive; turn left past the hospital and cross the bridge; turn right to intersect SR 4; turn right on SR 4 and drive to Forest Road (FR) 289 (will be on your left about 20 minutes from last intersection as you drive towards the Valle Grande); Field Trip will begin as we travel down FR 289.

**Maximum Number of People:** 50

**Logistical Notes:** We would like to consolidate the trip using 10-12 vehicles, so please car pool. Bring lots of water and a lunch. Four or five stops will involve short walks to view the canyon rim. The burned areas have dead trees that can fall over at any time, so use caution around dead trees. Also, beware of collapse zones where tree roots have burned beneath the surface. Please watch your footing and approach the canyon rims with caution. The road is very dusty, so drive slowly and allow ample space between cars to let the dust settle. None of the stops will have restroom facilities. Four-wheel drive is not necessary, but high-clearance vehicles are recommended. Participants should dress appropriately for the season with layers of clothing that can be worn or taken off as needed. Sunscreen is highly recommended regardless of weather conditions on the day of the field trip. Rain gear may be needed.