Ecohydrology, Chapman Conference Poster Sessions
Al Rango, Chairman

Monday Evening, Horizontal Fluxes: Scaling, Modeling, Observations, Indicators

1. Lawrence Allen Evaluating Wetlands Sustainability Using a Hierarchical Systems Approach

2. P W Barnes Temporal and Spatial Variation in Hydraulic Lift, Plant/Soil Water Relations and Competition/Facilitation in a Subtropical Savanna: Implications of Woody Plant Increase for Rangeland Hydrology

3. Laura Grant, Mark Seyfried, and Karen Humes Calibration of Soil Moisture Instrumentation to Variable Soil, Temperature, and Water Content

4. Tara Greaver, and Leonel Sternberg Soil Water Conditions and Plant Water Use in Fore and Back Dunes of Coastal Sandy Beaches

5. AR Groffman, T Caldwell, and R Gray Infiltration/Ground Water Linkages in the Southwest: Response of Shallow Ground Water to Interannual Variations of Precipitation, Jemez Mountains, New Mexico

6. A Guntner, and A Bronstert A Strategy for Structuring Semiarid Landscapes to Link Processes Across Scales in Large-Scale Hydrological Models

7. M S Haroutunian Current Land and Vegetation issues essential for Armenia

8. A T Harris, and G P Asner Effects of Managed Grazing on Vegetation Structure and Range Condition in Grand Staircase-Escalante National Monument, UT: Combining Imaging Spectroscopy and Field Studies

9. J E Herrick, D A Gillette, and M Remmenga Sensitivity Testing of the Gap Intercept Method, a Simple, Rapid Indicator of Changes in Vegetation, Soil Erosion and Hydrologic Function

10. Tamara Hochstrasser, Katherine Mitchell, and Debra Peters A Comparison of Three Daily Time Step Models to Simulate Water Dynamics in Semi- Arid Grass- and Shrub-dominated Ecosystems

11. T E Huxman, J M Cable, D D Ignace, A J Eilts, N English, J Weltzin, and D G Williams Geomorphic Influence on Ecosystem Precipitation Pulse Response in a Semi-Arid Grassland

12. J.M. Mangan; R.S. Webb, C. Wessman, and A.F.H. Goetze, Assessing Vegetation in Relation to Sand Dune Mobilization Potential in Nebraska: A Study

Using Landsat TM Data, the CENTURY Ecosystem Model, and a Digital Elevation Model

13. R.E. Martin, G.P. Asner, R.J. Ansley, and A.R. Mosier Vegetation, Climate and Soil Controls Over N Oxide Emissions From Texas Savannas

14. A K McDonald L E Loomis, and R J Kinucan Resource Partitioning Within a Vegetation Sequence, Trans-Pecos Texas

15. N.L. Miller, and L.Bastidas A Non-uniform Grid Scheme for Coupling Land Surface Processes at Multiple Scales

16. Mark T. Murphy, Richard H. Hawkins Richard Meyerhoff WR Osterkamp, and E. Linwood Smith On the Ecology of Effluent?Dependent Bottomlands in the Arid and Semi-arid Southwest

17. K Ogle, R L Wolpert, and J F Reynolds An Inverse Modeling Approach to Reconstructing Plant Water Uptake Profiles

18. R L Scott, D C Goodrich, D G Williams, and W J Shuttleworth Groundwater - Vegetation - Atmosphere Interactions in Semiarid Riparian Ecosystems: Mesquite Eco-hydrology on the San Pedro River, Arizona

19. J D Tauxe Integrating Hydrologic and Biologically-Induced Contaminant Transport at Arid Radioactive Waste Disposal Sites in a Probabilistic Context

20. J.E. Villinski, J. M. Hamblen, M. H. Conklin, and P. B. Brooks Characterizing microbial respiration in a meander bend point bar before erosion events in a semi-arid stream, southeastern Arizona

21. Zou, Songbing Zhaodong Feng, Yong Liu, and Xiaown Zhang Spatially Distributed Model of the Potential Ecological Environments in the Western Chinese Loess Plateau

Tuesday Evening, Horizontal Fluxes: Distrubance, Thresholds

1. N N Barger Impacts of Disturbance on Runoff and Nutrient Fluxes from Biologically Crusted Soils

2. R E Brazier Modelling Runoff in Semi-Arid Areas from the Hillslope to the Watershed Scale

3. D D Brehsears, O B Myers, and F J Barnes Vertical and Horizontal Heterogeneity in Plant Available Water: Trends from a Semiarid Woodland

4. T G Caldwell Soil Degradation and Hydrologic Response at the National Training Center (NTC), Ft. Irwin, California

5. E.A Charles Land degradation and it's Environmental Impact: A View of Semi-arid African Regions

6. T W Ellis Exploring Design Limits for Semiarid Banded Production Systems Using Ecological Optimality Considerations and a Probabilistic Approach

7. J H Flores Surface and Subsurface Flow Paths in Gullies and Arroyos in Colorado - Observations

8. E J Gabet The Role of Vegetation, Fires, and Grazing in the Hydrological Response from Hillslopes in a Mediterranean Landscape

9. K R Hubbert, and P.M. Wohlgemuth Weathered Granitic Bedrock: Implications to Erosional and Subsurface Hydrologic Processes in Burnt Watersheds

10. S J Lite, and J C Stromberg Hydrologic Thresholds for Maintaining Cottonwood-Willow Stands Along the San Pedro River, Arizona

11. E V McDonald, and E Hamerlynk Developing Effective Ecosystem Monitoring Strategies for Military Activities in Deserts: Preliminary Results From the US Army Yuma Proving Ground

12. A Rango, J Herrick, R Gibbens, and S Moran Reconsideration of Using Water Ponding Dikes to Re-establish Native Grasses in Shrub-Invaded Areas of the Southwest

13. L J Schmidt The Role of Vegetation Ground-Cover in Modifying High-Intensity Short-Duration Storm Runoff: A Conceptual Model

14. A E Springer, R M Mullen, T E Kolb, and M A Amentt Measuring Evapotranspiration Changes in Semiarid Pine Forests Due to Fire and Thinning

15. L M Thomas, and J F Weltzin Biotic and Abiotic Constraints on Woody Plant Seedling Establishment in Semi-Arid Savannas

16. C.J. Tucker, M E Brown, and J E Pinzon Dry-season albedo and antecedent rainfall in the desert-savanna transition zone of West Africa

17. C J Wilson , H E Canfield, J W Carey, K J Crowell, L J Lane, S G McLin , and S L Reneau Predicting the Impacts of the Cerro Grande Fire on Floods, Hillslope Erosion and Channel Sediment Transport

18. P M Wohlgemuth, and K R Hubbert The Effects of Fire on Soil Hydrologic Properties and Sediment Fluxes in Semiarid Steeplands, Southern California

Thursday Evening, Verical Fluxes: ET, Scaling, Linkages, Climate-Vegetation Interactions

1. M E Brown Precipitation, Temperature and Vegetation Interactions in the West African Sahel: Using Canonical Correlation Analysis to Measure Covariance

2. J R Cleverly Evapotranspiration responses to climate and vegetation forcing above the Middle Rio Grande riparian corridor, New Mexico

3. M D Dixon Modeling the Influence of Climatic Change and Groundwater Pumping on Riparian Vegetation Along the Upper San Pedro River, Arizona

4. S A Kurc, and E E Small Dynamics of Evapotranspiration in Semiarid Grassland and Shrubland during the Summer Monsoon Season, central NM

5. T Meixner, and M E Fenn Importance of Hydrologic Controls On Nitrogen Deposition Impacts in Seasonally Dry Ecosystems - the Asynchrony Hypothesis

6. R N M Ngalim Sakah J Tatah, and Douala Colis Postaux The Dynamism of Land Uses and their Effects on Water Catchment, A Contemporary Developing World Approach

7. N Ninari, P R Berliner, and Ben-Gurion Night-Time Vertical Fluxes of Latent Heat in Arid Regions

8. P M Rich, and M S Witkowski Solar Radiation Interception, Microclimate, and Water Balance in Complex Terrain

9. E E Small, and J Elliott Coupled Water and Nutrient Cycling in Semiarid Ecosystems: the Influence of Spatial Variability of Infiltration on "Islands of Fertility"

10. Xinping Wang, and Ronny Berndtsson Water Balance Change for a Re-vegetated Xerophyte Shrub in Semiarid Area

11. Y A Wood, and Thomas Meixner Hydrologic Controls on Soil Nitrogen Concentrations along an Air Pollution Gradient in a Semi-Arid Climate

12. Liukang Xu, and Dennis D. Baldocchi Comparative Study of Energy Flux and Evapotranspiration of Oak/grass Savanna and Grazed Grassland Under Extreme Soil Water Deficit and High Temperature

13. A.Yair, Desertification Processes induced by Increased Rainfall at a Desert Fringe

14. Zhan, Zhiming, Feng, Zhaodong, and Zhang, Xiaowen Estimation of land surface evapotranspiration in the western Chinese Loess Plateau using remote sensing and GIS Techniques