Graduate students awarded water research grants

Texas Water Resources Institute (TWRI) recently funded 10 water-related research projects for graduate students from Texas A&M University, Texas Tech University, the University of Texas at Austin and West Texas A&M University.

The students were awarded up to $5,000 to begin, expand or extend water-related research projects. TWRI received more than 30 applications in response to the request for proposals for the 2006–2007 grants.

The institute funds the graduate student projects through money provided by the U.S. Geological Survey as part of the National Institutes for Water Research annual research program. TWRI will publish articles and reports about the progress of each project.

Graduate students, their projects and their advisors are:

David Barre, Texas A&M, Georgianne Moore, advisor. "Determining effects of brush clearing on deep drainage using soil chloride; a feasibility study for South Texas rangelands"

Yongxia Cai, Texas A&M, Bruce McCarl, advisor. "Impacts of Texas inter-basin water transfers on the water dependent economy and the environment"

Bassil El-Masri, Texas Tech, Faiz Rahman, advisor. "Estimation of water quality parameters for Lake Kemp Texas, derived from remotely sensed data"

Dongsuk Han, Texas A&M, Bill Batchelor, advisor. "Arsenic removal by novel nanoporous adsorbents"

Mohammad Islam, Texas A&M, James Bonner, advisor. "Development of a coastal margin observation and assessment system to monitor the water quality in the Corpus Christi Bay"

Andrew Karonen, UT at Austin, Steven Moore, advisor. "A socio-technical case study of sustainable stormwater management in Austin, Texas"

Megan Meier, Texas A&M, Anne Chin, advisor. "Post-restoration evaluation of urban streams in Central Texas"

Arwa Rabie, Texas A&M, Mahmoud El-Halwagi, advisor. "Property-based management and optimization of water usage and discharge in industrial facilities"

Debabrata Sahoo, Texas A&M, Patricia Haan, advisor. "Modeling the effect of urbanization and optimizing land use for estuarine environmental flows"

Robert Taylor, West Texas A&M, Lal Almas, advisor. "A pricing model to assess the effects of groundwater availability on land valuation"

For more information and updates about each project, visit http://twri.tamu.edu/usgs.php.