

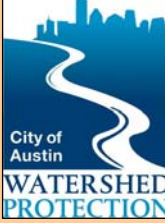






5th Annual EWRI Workshop HEC User's Conference

April 12, 2010 - Austin, Texas

ITINERARY

Time	
9:00 - 11:00 	Jeff Harris, US Army Corps of Engineers Hydrologic Engineering Center (HEC) <i>New Developments at HEC:</i> The primary goal of HEC is to support the nation in its water resources management responsibilities by increasing the Corps technical capability in hydrologic engineering and water resources planning and management. An additional goal is to provide leadership in improving the state-of-the-art hydrologic engineering and analytical methods for water resources planning. Jeff Harris, Chief Hydrology & Hydraulics Technology Division, will present the US Corps of Engineers-Hydrologic Engineering Center (HEC) current capabilities and future enhancements for software systems including CWMS, RTS, WAT, HMS, RAS, ResSim, DSS Vue, FIA, and Dam Breach Analysis.
11:00 - 11:10	BREAK
11:10 - 11:35 	Melinda Luna, PE - Texas Natural Resources Information System (TNRIS) <i>Data Resources for Building HEC Models:</i> This presentation will focus on the various data resources needed to build HEC models including information on elevation data, imagery, precipitation data, high water marks, and other data. Each data resource will be described, how the data is used in building the HEC models, future of the resource data, and where data can be acquired. A short discussion at the end of presentation on how some other tools can be used to view data without GIS capability.
11:35 - 12:00 	Kevin Shunk, PE - City of Austin Watershed Protection Department <i>Creating, Using, and Maintaining Models:</i> The City of Austin has participated in funding the creation of more than 460 miles of detailed HEC floodplain models and maps. Through this effort, Austin has adopted general modeling and mapping standards to ensure consistent, defensible, and user-friendly data. Austin uses these models and maps for a variety of purposes, including floodplain management, flood hazard mitigation projects, flood hazard warning, and environmental regulations. Maintaining and updating this data is essential to having the best available data for internal and external uses.
12:00 - 12:30	LUNCH

ITINERARY CONTINUED

Time	
12:30 - 1:30	 <p>Dr. David Maidment, UT Center for Research in Water Resources</p> <p>Mapping the Zone: This presentation will be based on the National Academy of Science report, "Mapping the Zone" which examines the factors that affect flood map accuracy, assesses the benefits and cost of more accurate flood maps, and recommends ways to improve flood mapping, communication, and management of flood-related data.</p>
1:30 - 1:55	 <p>Jerry Cotter, PE - US Army Corps of Engineers, Fort Worth District</p> <p>Modeling for Reservoir Control: The Fort Worth District Hydrology and Hydraulics Section is responsible for all phases of project development and operation. The Section develops the hydraulic design, for all spillways, outlet works, locks, tunnels, pipelines, and energy dissipators. Projects include multipurpose flood control reservoirs, channelization of large rivers, navigation projects, floodways, levees, and channel stabilization. Jerry Cotter will present a summary of Fort Worth District's efforts to utilize HEC models for Reservoir Control.</p>
1:55 - 2:10	BREAK
2:10 - 2:35	 <p>Gary Zimmerer, PE - FEMA</p> <p>Modeling Issues Facing FEMA: Building on the successes of Map Mod, FEMA's vision for RiskMap is to deliver quality flood hazard data and maps to increase public awareness and reduce risk to life and property. Gary Zimmerer, FEMA Region VI Mapping Team Lead, will present a summary of modeling issues FEMA has encountered during Map Mod and RiskMap.</p>
2:35 - 3:00	 <p>Wayne Tschirhart, PE – San Antonio River Authority (SARA)</p> <p>Dam Breach Analysis using HMS and RAS: SARA has applied both HEC-HMS and HEC-RAS for Dam Breach Analysis. This presentation includes comparisons of dam breach hydrographs from HEC-HMS and HEC-RAS and case examples using HEC-HMS for development of dam breach hydrographs and flow routing using unsteady HEC-RAS.</p>

Thank you very much for attending.

For more information about the future EWRI Workshops, please contact the EWRI committee:

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