

Developing demonstration GSSHA and GS-FLOW models for Upper Susquehanna

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Abstract. The National Weather Service (NWS) is examining opportunities for expanded services utilizing the under-construction Water Center in Tuscaloosa, Alabama. Riverside Technology, inc. is supporting the NWS by exploring the requirements for developing distributed models for long-range forecasting in the Upper Susquehanna watershed. The GSSHA and GS-FLOW models have been examined in particular and initial demonstration models have been prepared using data associated with the June 2006 flooding event. Initial results demonstrate the significance of selecting an appropriate source of precipitation information.

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