



United States Department of Agriculture
Natural Resources Conservation Service

National Water Management Center

Website: <http://wmc.ar.nrcs.usda.gov/>
Keith Admire, Director

WATER QUALITY/QUANTITY, MODELING and APPLICATIONS

Provide assistance and support on watershed/basin scale water quality and quantity issues. Support and coordinate the development of new water resource technology, technical materials, and provide training in the applications of these models and technology. Evaluate emerging water resources technology tools for NRCS applications. Provide direct assistance to help states identify and apply appropriate tools to address their specific water resource concerns, such as water quality, water quantity, and conservation practice impacts on stream flow quality/quantity. These tools include: watershed scale water quality/quantity models, irrigation/drainage water management software, nutrient/manure management software, and other technology applications. Provide direct technical assistance on complex and unusually technical projects.

Services and products offered in the water quality/quantity, modeling and applications business area include:

- ◆ Technical Materials
- ◆ Testing and evaluation of new technology/models
- ◆ Training in the use of water quality/quantity models
- ◆ Direct assistance in evaluating water quality/quantity concerns
- ◆ Direct assistance in water quality/quantity investigation and analysis
- ◆ Training and direct assistance in the use of:
 1. Manure Management Planner (MMP) - developed by Purdue University
 2. Agriculture Waste Management (AWM)
 3. Water management technology/software
 4. Irrigation Water Requirements (IWR)
 5. DrainMOD and DrainMOD-N
 6. NLEAP and NLEAP-GIS



Core Team

Agricultural Engineer
Water Resources Outreach Specialist

Water Resources Planning Specialist
Watershed Specialist

101 East Capitol Avenue Suite B-100
Little Rock, Arkansas 72201-3811

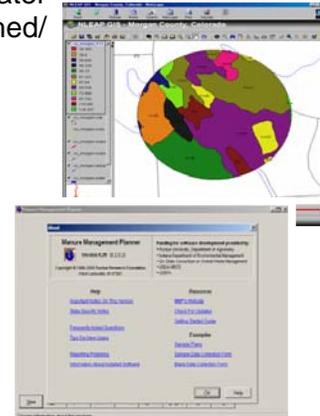
Phone: 501-210-8900
Fax: 501-210-8935

Direct Assistance:

The National Water Management Center (NWMC) provides specialized assistance to states with their water quality/quantity concerns. This assistance may be on projects as broad as watershed scale problems or as small as individual farms with specialized or highly technical problems. Through the disciplines of engineering, agronomy, water resources specialists and other technical specialists, the NWMC provides direct assistance, information, technology, and one-on-one consultation to NRCS specialists agency-wide on water quality and water management issues, including watershed/conservation/nutrient and water management plans.

Modeling and Application Software:

NWMC personnel test, evaluate, and in some cases provide technical input into the development of water quality/quantity models and application software. The staff provides setup, training and troubleshooting services to the state specialists. The staff assists state specialists with analyzing, interpreting and utilizing the results from models and application software.



Technology:

NWMC personnel actively support agency implementation of new water quality/quantity technology. The staff reviews technical data and specifications of new software, products and equipment in order to evaluate potential uses in agricultural/conservation applications. The staff observes, reviews, and sometimes participates in field testing and demonstrations. The staff provides training and assists states with the adoption/implementation of proven new technology.

Standards:

NWMC staff fully participates in the development, evaluation, implementation, and revision of national conservation practice standards related to water quality, water quantity, irrigation water management, drainage water management, nutrient/manure management, and water conservation. The staff provides interpretation of national standards and provides guidance to state specialists with the development of state standards.

Water Quality/Quantity, Modeling and Applications Support Areas

Water Quality Models	Water Conservation
Water Quantity Models	Technology Evaluation
Application Software	Technology Transfer
Irrigation Water Management	Training
Drainage Water Management	Standard Development
Nutrient/Manure Management	Conservation/Project Planning

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