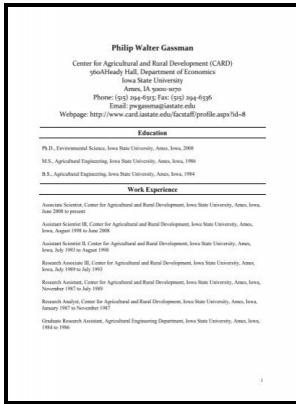


# Watershed management to meet water quality standards and emerging TMDL - proceedings of the 5-9 March 2005 Atlanta Georgia Conference.

American Society of Agricultural Engineers - CARD



Description: -

- Water quality -- Measurement -- Congresses.

Water -- Pollution -- Total maximum daily load -- Congresses.

Watershed management -- Congresses. Watershed management to meet water quality standards and emerging TMDL - proceedings of the 5-9 March 2005 Atlanta Georgia Conference.

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Notes: Includes bibliographical references.

This edition was published in 2005



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## Source Needs Assessment for Iowa Part II: the Cost of Improving Iowa's Water by Silvia Secchi

An alternative approach for analyzing wetlands in SWAT for the Boone River watershed in north central Iowa. It is one of the 13 tributaries of the Mississippi River and contributes significantly to the nutrient contamination mainly through agricultural nonpoint source pollution.

Publication : USDA ARS

OCLC:59283656 Watershed Management to Meet Water Quality Standards and Emerging TMDL : 5-9 March 2005, Atlanta, Georgia. Application of SWAT2005 for Potential Biofuel Cropping Systems in the Boone River Watershed in North Central Iowa, United States. SSURGO soil databases on water quality predictions.

Fan

An Efficient Modeling Approach to Simulate Heat Transfer Rate between Fracture and Matrix Regions for Oil Shale Retorting. Proceedings of the 6th International Conference on Hydroinformatics.

## Watershed Management to Meet Water Quality Standards and Emerging TMDL : 5

Fecal bacteria concentrations are 90-99% lower in composted or aged manure compared to recently scraped manure. Conservation Practice Adoption and Water Quality Impacts in Two Northeast Iowa CEAP Watersheds. Water Resources Publications, Highland Ranch, CO, ISBN: 1-887201-46-7.

## Effects of soil data resolution on SWAT model stream flow and water quality predictions

The initial results of the alfalfa fertilization-irrigation study have proven the concept that alfalfa is an effective tool for premitigating soils with excessive accumulation of nitrates in the 4-8 ft zone, and these results also confirm expectations that residual nitrates have a negative impact on nitrogen fixation rate.

#### **Grantee Research Project Results Search**

Technical Report, Department of Civil and Environmental Engineering, University of Central Florida, Orlando, FL 32816.

#### **Publication : USDA ARS**

Adopting Conservation Practices on Agricultural Cropland in Iowa and Possible Nutrient Standards.

#### **Source Needs Assessment for Iowa Part II: the Cost of Improving Iowa's Water by Silvia Secchi**

A producer with fields near a convenient manure source will often over-apply manure because it is cheaper to do that than to apply only what is needed based on manure and soil tests. Multi-Process and Multi-Scale Modeling and Data Analysis at IFC site, Oak Ridge, TN. We have found that soil testing and alfalfa production reduce nitrate leaching, that manure application may be a significant source of bacteria in streams, that antibiotic resistance patterns of bacteria vary across the State, and that irrigators should manage a soil profile deeper than 24 inches.

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