
AWRA 2011 ANNUAL WATER RESOURCES CONFERENCE
Albuquerque, New Mexico

November 7-10, 2011

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**PRELIMINARY PLANS TO INCORPORATE COMPONENTS OF THE
SPARROW MODEL INTO NUTRIENT MANAGEMENT DECISIONS IN TENNESSEE**

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ABSTRACT: In the absence of numerical criteria, recognizing the reality of a landscape that has been altered by human activity and the need to reduce nutrient loading, the Division of Water Pollution Control has developed a rational and long-term strategy for the reduction of nutrient loading to Tennessee waters. For watersheds in the Upper Tennessee River Basin the results of the USGS SPARROW-SAGT model are used to evaluate existing nutrient loading and relative source contributions for each HUC-10 sub-watershed. The SPARROW model results provide a means for evaluating and ranking nutrient enrichment (relative to background), and percent contribution from a selected source share for an individual HUC-10 outlet reach relative to all other reaches in the Upper Tennessee River Basin. This ranking can provide a context for prioritizing HUC-10 watersheds for implementing nutrient reduction measures.

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