

Presenter	Brenda Rashleigh
Type	oral presentation
Category	
Title	<i>Forecasting of Services Provided by Stream Ecosystems.</i>
Abstract	<p>Stream ecosystems provide important services to people, including recreation and food, regulation of ecosystem processes, and aesthetic benefits. An understanding of the links from ecosystem drivers to stressors to services allows the services to be assessed under alternative scenarios, including restoration. We linked process-based models that represent watershed loading, mercury processing, instream water quality, habitat suitability, and fish community dynamics to address these issues within the Albemarle-Pamlico watershed in Virginia/North Carolina. These were set in a framework for communicating uncertainties about the models. This approach allows us to examine trade-offs between ecosystem services. The long term goal is to include valuation of the services and feedback of these values to ecosystem drivers, allowing for the adaptive management of stream ecosystems.</p>