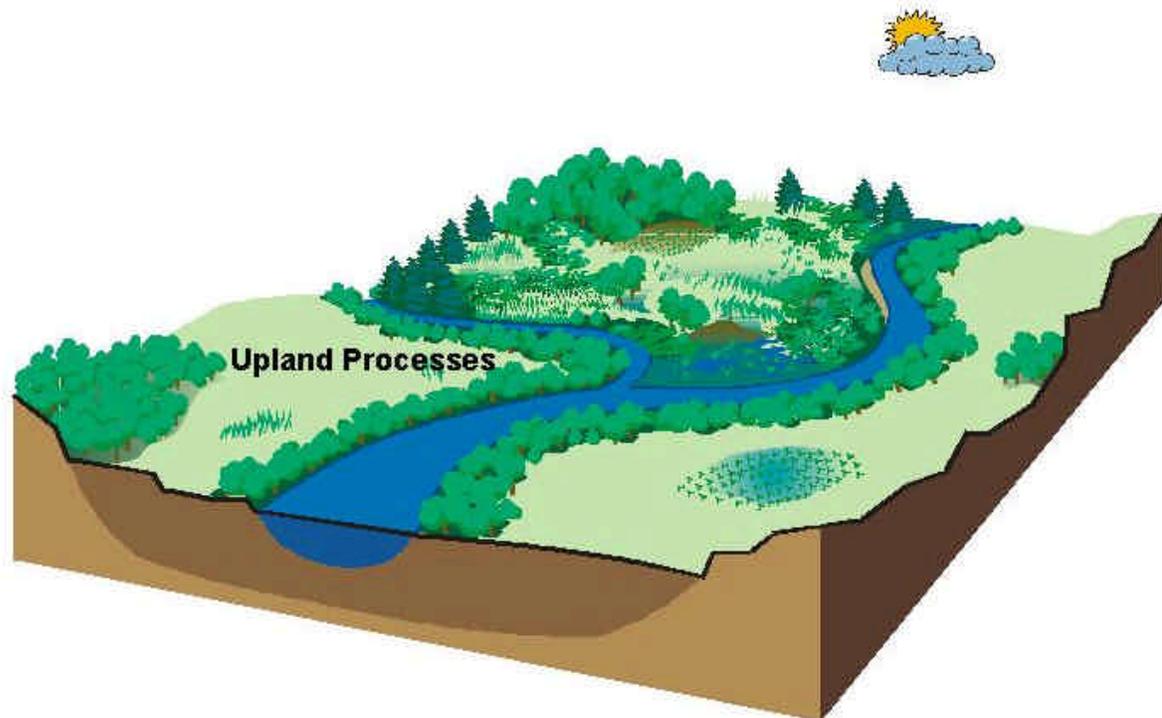


Evaluating Water Quality Models for Development of Risk Assessment and Decision Support Tools.

Existing and widely used models such as SWAT (Soil & Water Assessment Tool), APEX (Agricultural Policy/Environmental eXtender) and REMM (Riparian Ecosystem Management Model) will be tested and validated using OPE3 watershed/wetland information. Protocols will be developed by coupling such models with GIS technology to provide quantitative risk assessment tools for evaluating impact of various agricultural actions on quality of water exiting agricultural and wetland areas.



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