



**US Army Corps
of Engineers**

Blanchard River Watershed Model, OH

Great Lakes Tributary Model Program (Section 516e, WRDA 96)

Project Location: This project is located in the Blanchard River watershed, which is located in the Counties of Allen, Hancock, Hardin, Putnam, Seneca and Wyandot in the State of Ohio. The Blanchard River is a tributary of the Auglaize River, which drains into the Maumee River and eventually into Lake Erie near Toledo, OH. Sediments and non-point pollutants from this watershed discharge to the Toledo Harbor and the Western Lake Erie basin.

Project Description: Land use in the 771 square mile Blanchard Watershed is estimated to be 80.8% cultivated crops, 10.1% developed, 5.6% forest, 2.6% pasture and grassland, and < 1% open water and wetlands. This modeling effort will support local stakeholders in identifying sources of sedimentation and excess nutrients throughout the watershed. For this project, the Agricultural Non-Point Source (AGNPS) suite of models were applied to determine sediment sources, contributing locations, and the effect of best management practices (BMPs) on rates of sediment delivery to the mouth of the watershed.

Project Benefits: The Blanchard River watershed model will: 1) Simulate erosion, sediment delivery pathways and sediment delivery yields and loads in the watershed; 2) Simulate fate and transport of nutrients throughout the watershed; 3) Project the potential benefits of conservation treatment strategies and best management practices and; 4) Support the larger GLRI effort by reducing erosion in the Maumee Basin and reduce sediment and associated nutrient delivery to Toledo Harbor and Lake Erie.

Status: This two-year modeling effort will be completed in September 2010.

Schedule:

Milestone	Date
Complete scoping report	Sep 2010
Complete model development	Sep 2010
Training workshop	Oct 2010

Project Costs:

Estimated Project Costs	
Federal – E&W	\$200,000
Federal – GLRI	\$0
Total	\$200,000

Project Partners: Ohio Departments of Agriculture, Natural Resources and Environmental Protection; Blanchard River Watershed Partnership and numerous local government entities.

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