



**US Army Corps  
of Engineers®**  
Buffalo District

**February 2005**

## **FACT SHEET**

**Title/Name:** Eighteenmile Creek, NY – Section 516(e) of the Water Resources Development Act (WRDA) of 1996, as amended (Sediment Transport Modeling).

**Location:** The Eighteenmile Creek has a drainage basin of about 93 square miles. The creek enters Lake Ontario at Olcott Harbor in Niagara County, NY.

**Project Description:** The ultimate goal of the Sediment Transport Modeling program is to support state and local measures that will reduce the loading of sediments and pollutants to navigation channels and AOCs, and thereby reduce costs for navigation maintenance and promote the restoration of beneficial uses. Pollutants from city of Lockport, including PCBs, historically impact the Eighteenmile Creek watershed in addition to the more current environmental impacts related to the rapidly developing watershed. The modeling efforts in the basin will be designed to explore best management practices that will help minimize these impacts and will aid the Niagara County Legislature in their goal of developing a watershed management plan. The models that are being implemented include the Soil and Water Assessment Tool (SWAT) model designed to understand watershed-scale sediment contributions and water quality issues interfaced with the Better Assessment Science Integrating point and Non-point Sources (BASINS) Geographic Information System (GIS) that provides the stakeholders with the ability to look critically at land uses in the basins and estimate the effects of best management practices related to land use.

**Appropriation Category:** Operations and Maintenance

**Total Estimated Cost:** The overall cost of the study is \$120,000.

**Project Sponsor/Customer:** The sponsor of the models is the Niagara County Department of Planning, Development & Tourism. Peripheral users will include all agencies or entities with valid applications.

**Congressional Interests:**

Representative Louise M. Slaughter D-NY-28  
Representative Thomas M. Reynolds R-NY-26  
Senator Charles Schumer D-NY  
Senator Hillary Clinton D-NY

**Current Status:**

The study is currently scheduled to conclude in October 2005.

**Issues:** None

**Project Manager:** Anthony M. Friona  
(716) 879-4215

