



# Great Lakes Tributary Model

U.S. ARMY CORPS OF ENGINEERS

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## WEB-BASED SEDIMENT TOOLS TRAINING



Under the Great Lakes Tributary Modeling Program, the U.S. Army Corps of Engineers developed sediment transport models to assist with planning and implementation of measures for soil conservation and nonpoint source pollution prevention. The goal is to reduce the loading of sediment and pollutants to tributaries in order to enhance Great Lakes water quality, help delist Great Lakes AOCs, and reduce the need for navigation dredging.

Buffalo District is currently providing training to those who have an interest in sediment transport and have a hand in watershed planning. In these one-day training workshops, participants learn how to use web-based sediment transport tools to better understand sediment issues and make informed decisions within their watersheds. Typically these workshops only require the use of small computer labs with internet access, so we have the flexibility to coordinate these trainings very easily.



The **web-based sediment tools** that we offer training for include:

- **Digital Watershed:** serves as a centralized information repository and an online computing center for watersheds in the United States  
<http://www.iwr.msu.edu/dw>
- **High Impact Targeting (HIT):** web-based decision support tool for multi-scale prioritization of agricultural areas contributing sediment to the Great Lakes and their tributaries  
<http://www.iwr.msu.edu/hit2/>
- **Long-Term Hydrologic Impact Assessment Low Impact Development (L-THIA LID):** can assist in the evaluation of potential effects of land use to minimize environmental impacts on a community  
<https://engineering.purdue.edu/~lthia/LID/>
- **Web-based Water Erosion Prediction Project (WEPP):** used to predict soil loss and runoff from watersheds by determining flow paths within a watershed  
[http://milford.nserl.purdue.edu/ol/wepp2/verify\\_login.php](http://milford.nserl.purdue.edu/ol/wepp2/verify_login.php)

As a preventative measure to reducing the need for costly dredging and delisting AOCs, the Great Lakes Tributary Modeling Program is 100% federally funded, and is one of the only programs that investigates the prevention of sedimentation issues.

**For more information, or to schedule a training session, please contact**

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**Trainings Calendar: <http://projects.glc.org/tributary/calendar.html>**