

# Ottawa River Restoration Project

## At the University of Toledo

### Pre-project Fact Sheet

May 2012

The President's Commission on the River at the University of Toledo is undertaking a habitat restoration project for the 3,700 feet of the Ottawa River on the main campus. The overall intent of the project is to enhance the natural habitat within the Ottawa River on the main campus and contribute to overall improvement efforts underway along the river within our community.

Restoration efforts are aimed to enhance current stream and stream bank conditions and stabilization efforts while addressing the critical issue of aquatic habitat loss that have been identified as significant environmental concerns for the river on the UT main campus. The approach is to use innovative techniques for this urban stream ecosystem that also have potential for application at other sites in Toledo and in other similar streams in Ohio.

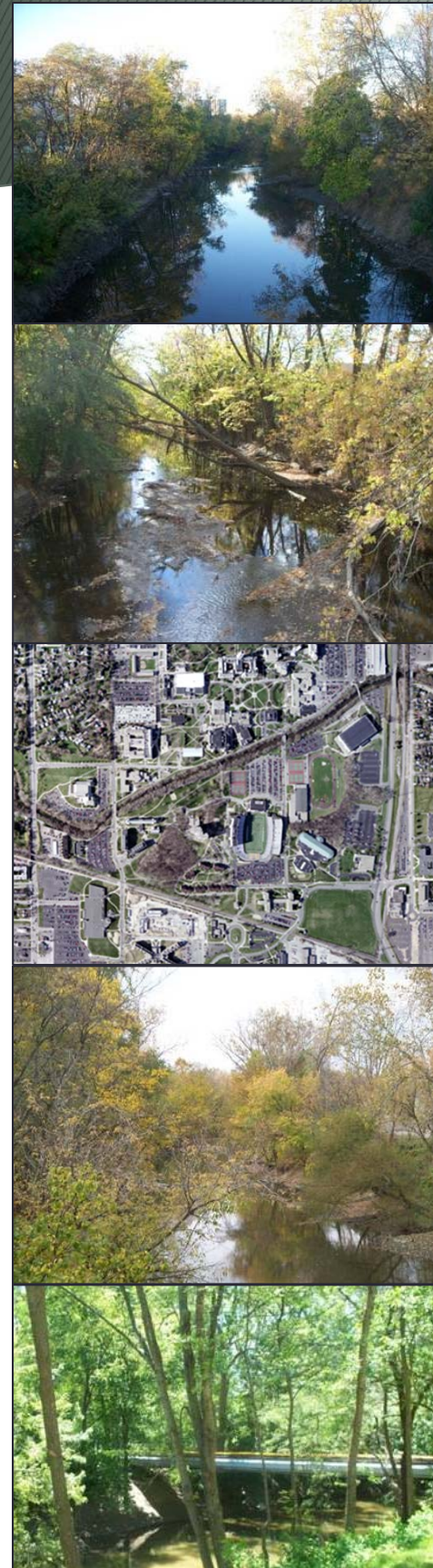
The project concept design calls for the installation of the following in-stream restoration elements, riffles and hydraulic cover stones, LUNKERS for fish habitat, locked logs and aquatic plantings, and cutbanks all making use of natural materials (stones, logs and others).

Stream restoration will incorporate some grade work in areas adjacent to in-stream structures to restore a more natural stream channel and bank and to avoid erosion while maintaining flood control.

The stream channel will be restored to incorporate stream function and design principles including riffle and pool structures, low flow concentration and erosion control features as needed. Bank shape and stability will be assessed and addressed as in-stream elements are constructed. Bioengineering techniques will be utilized to protect infrastructure as this is a very urban and visible area. Additional work will focus on stream and slope vegetation and replanting of native plants.

This project will serve as a demonstration of the possibilities available for restoration in a very altered and modified urban river system.

Several restoration elements will be constructed on-site starting in August 2012, the remaining elements and completion of the full restoration of the in-stream and banks in August 2013. For more information on the project contact Dr. Patrick Lawrence, Chair, UT Presidents Commission on the River at [patrick.lawrence@utoledo.edu](mailto:patrick.lawrence@utoledo.edu) or visit [www.utoledo.edu/commissions/river](http://www.utoledo.edu/commissions/river).



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