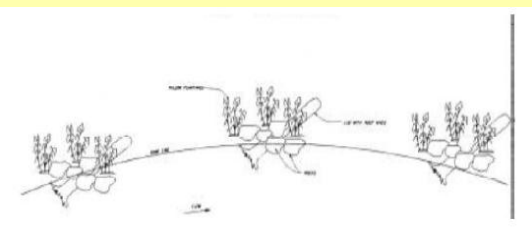
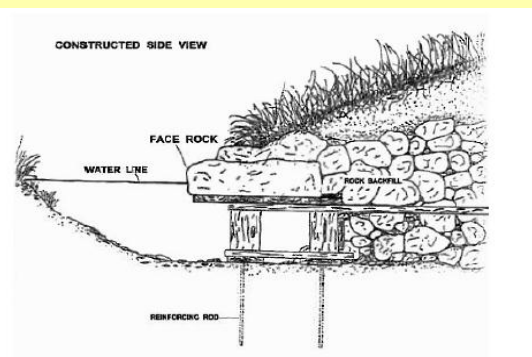
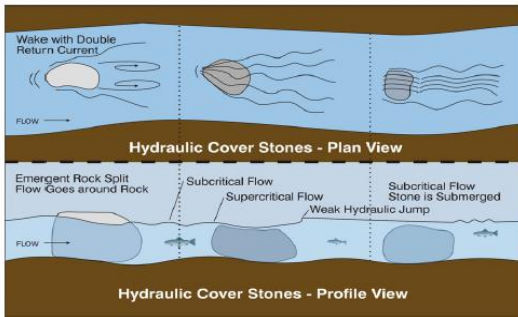


**FACT SHEET (April 2013)**

**University of Toledo  
Ottawa River  
Restoration Project:  
Phase II (2013)**



The project concept design calls for the installation of in-stream aquatic habitat features along 3,000 feet of the Ottawa River on the main campus of UT - making use of all natural materials (stones, logs and others), including:

- Riffles and hydraulic cover stones (Fig #1)
- LUNKERS for fish habitats (Fig #2)
- Locked logs and aquatic plantings (Fig #3)
- Bendway weirs and toe protection structures

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 of aquatic habitat in a very altered and modified urban river system.

Installation of the in-stream habitat features will be completed in Summer 2013 with additional bank vegetation plantings in Fall 2013, along with educational signage.

**This project is supported by funding from:**

**Additional assistance provided by:**



For more information on the project contact:

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<http://www.utoledo.edu/commissions/river/>