



## Habitat Restoration Project 2010

- Duffins Creek: Ajax, Ontario -

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### Greenwood Conservation Area Root Wad Placement Bank Stabilization

Habitat Project Lead: *Ontario Federation of Anglers and Hunters (OFAH)*

Habitat Project Funding Lead: *OFAH*

Date Completed: *September 15, 2010*

Greenwood Conservation Area in Ajax, Ontario is a highly used recreation facility. Within the conservation area, Duffins Creek has areas of bank instability and erosion (figure 1). One such area was of concern, with a foot bridge in need of replacement, and the stream banks in need of root wad installation for stability. On September 15<sup>th</sup>, the root wad installation project was completed with the help of 8 volunteers from the Toronto and Region Conservation Authority (TRCA) and the OFAH. A new foot bridge was installed to carry pedestrians as well as heavy machinery which was need to complete the bank stabilization project (figure 2), and the old foot bridge was dismantled. Silt fencing was placed within the water to catch any sediment that may be passed downstream before any work began. The root wad and log placement created stability for the soil along the banks and staff members hope it will decrease erosion. Straw fabric was placed along both sides of the stream on the banks to further prevent siltation into the water.



**Figure 1:** Before stabilization project began at Greenwood Conservation Area in Pickering, ON.



**Figure 2:** Building of new bridge and then dismantling of the old bridge will begin.



**Figure 3:** New bridge built and root wad and straw in place along banks of Duffins Creek.



**Figure 4:** Completed root wad and bank stabilization project at Greenwood Conservation Area along Duffins Creek.