



Habitat Restoration Project 2009

- Duffins Creek: Ajax, Ontario -

Greenwood Conservation Area Rodar Property Bank Erosion Planting

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

Habitat Project Funding Lead: *Toronto and Region Conservation Authority*

Date Completed: *May 1, 2009*

This project was aimed to increase stream bank stabilization to reduce sedimentation and erosion, improve water quality and mitigate stream temperature, increase width of riparian cover and overhanging vegetation along the stream bank, and increase forest cover (connect cedar woodlots). Approximately 40m of the stream bank was heavily eroding (figure 1). Therefore, riparian planting and bio-engineering helped to reduce this erosion. Objectives included re-routing the trail away from the top of the bank with signage and woody barriers, re-grading the slope and placing boulders on the stream bank. This project increased fish habitat by providing more riparian cover. On May 1st, 2009, 7 volunteers planted 40 trees and 40 shrubs at Greenwood Conservation Area to complete this project (figures 2 & 3).



Figure 1: Stream bank at Greenwood Conservation area, eroded by trail users and lack of subsequent vegetation.



Figure 2: Planting site along Duffins Creek where volunteers planted 40 trees and 40 shrubs to help increase riparian cover and fish habitat.



Figure 3: Planting completed at Greenwood Conservation Area, stream area less accessible to trail users.