



Habitat Restoration Project 2011
- Duffins Creek: Claremont, Ontario -

Transport Canada Pickering Lands Sideline 26 Riparian Planting

Habitat Project Lead: *Ontario Federation of Anglers and Hunters*

Habitat Project Funding Lead: *TD Friends of the Environment Foundation*

Date Completed: *October 14, 2011*

The Lake Ontario Atlantic Salmon Restoration Program planted 70 trees and 957 large potted shrubs at a decommissioned pond site on the Transport Canada Pickering Lands. The newly created wetland was designed and built by the Toronto and Region Conservation Authority (TRCA) and Atlantic Salmon Program staff worked with 103 Fleming College Ecosystem Management students to plant the native material for a combined contribution of over 205 person-hours. More than 80m of stream bank that was taken offline from the main stream channel and is now a holding tank for runoff, and the planted vegetation will shade the wetland to cool the water before it enters the coldwater creek. The volunteers did not put any trees or shrubs on the berm between the stream and the wetland to allow for the unimpeded over-flow of water into the 3,363m² planting area. This project improved Atlantic Salmon habitat by providing vegetation that will absorb water at periods of high flow and release it slowly during dry periods to maintain a longer period of base flow conditions (level of water needed for fish to function and survive in a stream).



Figure 1: The restored wetland site before planting.



Figure 2: Fleming College students planting trees and shrubs at the restored wetland site.



Figure 3: All 103 Fleming College volunteers after planting over 1,000 plants.