



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

Transport Canada Pickering Lands Upper Natural Resources Canada Decommissioned Pond 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 bypass channel site on the Transport Canada Pickering Lands. The newly-created channel and side wetland was designed and built by the Toronto and Region Conservation Authority (TRCA), and Atlantic Salmon Program staff worked with 150 students from Fleming College and Dunbarton High School to plant the native material for a combined contribution of over 292 person-hours. More than 40m of stream is now flowing through a well vegetated area and the planting will shade the creek to cool the water before it continues downstream into Atlantic Salmon and Redside Dace (provincially endangered) coldwater habitat. The more than 2,854m² of planted vegetation absorbs water at periods of high flow and releases it slowly during dry periods, which maintains a longer period of base flow conditions (level of water needed for fish to function and survive in a stream).



Figure 1: The restored stream channel and wetland site before planting.



Figure 2: Dunbarton High School students planting trees and shrubs.



Figure 3: Group photo after the high school students planted over 500 of the 1,000 plants.