



Habitat Restoration Project 2014
- Duffins Creek: Claremont, Ontario -

Transport Canada Lands Bypass Channel Shrub Planting

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

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

Date Completed: *October 30, 2014*

The Lake Ontario Atlantic Salmon Restoration Program completed two shrub planting activities with Dunbarton High School (Pickering) students. Woody-stemmed vegetation stabilizes the soil and absorbs water that is slowly released back into the stream, improving late summer base flow water levels. This is extremely important for migrating fish such as Atlantic Salmon that enter streams in the summer to spawn in the fall. Keeping the water cold is also important for downstream Redside Dace (provincially endangered) coldwater habitat. The students planted 700 native shrubs along the stream-bank of the bypass channel. Over two separate days (October 30 and November 6, 2014), a total of 39 Science Program (Grade 9) and Environmental Club (High Skills Major Program) students contributed 122 person-hours. Dunbarton High School students re-vegetated a total area of 254m² (70m of stream).



Figure 1: Dunbarton High School Grade 9 students planting shrubs along the bypass channel on the first day of planting (October 30, 2014).



Figure 2: Dunbarton High School Grade 9 Science Program students planting shrubs.



Figure 3: Dunbarton High School Environmental Club students planting shrubs on the second day of planting (November 6, 2014).



Figure 4: Dunbarton High School Environmental Club students planting shrubs.



Figure 5: Dunbarton High School students and an OFAH volunteer after planting shrubs.