



Habitat Restoration Project 2011
- Credit River: Terra Cotta, Ontario -

Wolfe Lake Bypass Channel Berm Planting

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

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

Date Completed: *November 16, 2011*

The Lake Ontario Atlantic Salmon Restoration Program planted 20 trees and 142 potted shrubs at a bypass channel created around Wolfe Lake in the Terra Cotta Conservation Area. The newly-created channel and berm separating the lake from the headwater creek of the Credit River was designed and constructed by Credit Valley Conservation (CVC) a year earlier. The OFAH planned and ordered the planting material and CVC was able to plant the trees and shrubs with 46 students from King Road Public School and Orangeville District High School, on behalf of the Program. The project was completed over two days starting on November 9, 2011. It took 75.5 person-hours to plant the native material along 30m of stream. The bypass channel is now flowing through a well-vegetated area shading the creek to cool the water before it enters the downstream Atlantic Salmon coldwater habitat. The 600m² of planted area will primarily benefit Atlantic Salmon 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 bypass channel berm before planting, Wolfe Lake to the left.



Figure 2: Orangeville District High School students planting trees and shrubs.



Figure 3: Finished berm planting, trees and shrubs with mulch mats (brown base).