



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

Transport Canada Lands Bypass Channel Live Willow Shrub Staking

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

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

Date Completed: *November 25, 2014*

The final planting activity (for the year) at the bypass channel site used a planting technique of inserting live willow shrub stakes (stem cuttings) into a half metre of the bypass channel shoreline. Willow shrubs can be cut down to the base, leaving the roots, in the fall once they have gone dormant and dropped their leaves. The shrub stems are then cut into 30-60cm long stakes, flat at one end and angled at 45 degrees at the other. These stakes are inserted or pounded into the ground before the frost and will start to grow in the spring. A LOASRP staff member and two co-op students planted 2,000 live stakes along 50m of stream bank to create an area along the water's edge with woody stemmed vegetation with a total area of 15m². This project improved Atlantic Salmon habitat by providing shade for the coolwater creek and stabilizing the stream bank to reduce erosion.



Figure 1: OFAH staff and co-op students installing live willow shrub stakes.



Figure 2: OFAH co-op students installing stakes.



Figure 3: Installing live willow shrub stakes.