



Habitat Restoration Project 2006

- Cobourg Brook: Baltimore Ontario -

Holmes Property Woody Debris Management

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

Date Completed: *September 6th-7th, 2006*

The Ganaraska Region Conservation Authority (GRCA) and the Ontario Federation of Anglers and Hunters (OFAH), carried out a logjam removal on a portion of the Cobourg Brook (figure 1). The logjam was found after monitoring the stream on property where the team was allowed access by landowners. The logjam was restricting flows and a large amount of sediment, 14.8 m³, which had collected immediately upstream of the jam. The logjam also had the potential to limit fish passage. The GRCA and OFAH staff deemed the complete removal of the logjam inappropriate because of the amount of sedimentation. Notching of the logjam was decided as the suitable course of action and would allow for the slow release of the sediment over the fall and especially in the spring with the freshet. Two volunteers assisted with the project, one operating a chainsaw and the second removed logs and debris from the brook. The team put in two full days restoration work, approximately 14 hours of time, which equals \$420.00 of in-kind project value (figure 2). Once the project was completed and the logjam notched, the stream was freely flowing. A check up on the stream the following spring confirmed that the logjam was structurally safe and the trapped sediment had moved through the stream system (figure 3).



Figure 1: Logjam in portion of Cobourg Brook before restoration work.



Figure 2: Volunteers working on logjam removal and notching.



Figure 3: Complete notched logjam post restoration in the spring of 2008.