



PROJECT DESCRIPTION

Coldwater Consulting has been involved in several restoration projects along the Rideau River south of Ottawa. These include the Chapman Mills and Baxter Conservation Areas. Work included site assessments, bathymetric data collection, sedimentation and circulation analysis.

PROJECT APPROACH

Our approach to stream restoration works combines natural channel design principles with a detailed understanding of the hydraulics and sedimentation processes active at the site. Our goal is to develop features that are in harmony with existing topographic controls.

CLIENT

G.A. Packman & Assoc. and
IBI Group

LOCATION

Ottawa, ON

DATE

2009-11

Conceptual design of a habitat pond at the Baxter Conservation Area involved site inspections, evaluation of flushing and circulation processes and an assessment of channel sedimentation rates and dredging requirements. Boat wakes in the Rideau River were found to be a controlling mechanism on sedimentation patterns.



At Chapman Mills we undertook an assessment of sediment transport conditions at the site to aid in the design of a new channel cut that would improve circulation to a backwater area.