



ENVIRONMENTAL MANAGEMENT

Water Management Plans

Lefroy-Belle Ewart Community Master Drainage Plan

Client: Lefroy Belle-Ewart Management Developer Group

Location: Town of Innisfil, Ontario

GREENLAND was retained to prepare a Master Drainage Plan (MDP) for the Lefroy Belle-Ewart Secondary Planning Area which will help harmonize the proposed community's need for housing, industry and services with the need for sustaining healthy ecosystems. **GREENLAND** also provided technical support for the project's water supply/distribution and wastewater treatment/collection components for the future 30,000+ population.

The MDP will provide guidance to local and regional authorities in planning stormwater management facilities for existing and future land use development while ensuring the protection, restoration and enhancement of natural features. The MDP will be useful for the review and regulation of stormwater management plans and flood hazard issues of concern related to individual development proposals.

Using **GREENLAND's** software, we identified water quality constraints and opportunities for enhancement through target setting; developed predictive tools for evaluating various Best Management Practices; determined Total Maximum Daily Loads for on-site waterways; and, developed a nutrient management plan to be used in implementing a sustainable development.

