

Title

TESTING THE FOREST WATER QUALITY INDEX (FWQI)

Model Forest

Western Newfoundland Model Forest

From

2005

To

2006

Keywords

Forest water Quality Index, Drinking Water, Aquatic Water

Objective

To test the FWQI model on a data set with respect to the impact of a farm on the natural habitat of Hughes Brook.

Description

During the past six years, the Aquatic Centre for Research and Education (ACRE) has carried out a physical, chemical and biological inventory of the Hughes Brook watershed. In addition to the inventory, ACRE is carrying out an in-depth study of the water quality of Hughes Brook. Preliminary bacteriological studies have indicated that the water samples taken from several different sites along the river system are contaminated and unsatisfactory for recreational use (e.g., swimming).

This project report contains a description of a test of the Forest Water Quality Index (FWQI) done over five months-i.e., a case study of water quality samples done on Hughes Brook, Bay of Islands, Western Newfoundland, system using the Forest Water Quality Index (FWQI)

Reports and Products

Testing the Forest Water Quality Index (FWQI): A Case Study. Downer, D., Walsh, D. 2005. Aquatic Centre for Research and Education. WNMF: 8-309-001,16p.

Hughes Brook Water Quality: A Forest Water Quality Index (FWQI) Case Study-Final Report. Downer, D., Walsh, D., Neville, A. 2006. Aquatic Centre for Research and Education. WNMF: 8-309-002, 56p.