

Title

STREAM CROSSING INVENTORY

Model Forest

Western Newfoundland Model Forest

From

June 1997

To

February, 2000

Keywords

Stream Crossing, Aquatic Habitat, Conservation

Objective

To investigate and document the effects resource road stream crossings have on the surrounding aquatic habitat within the Western Newfoundland Model Forest.

Description

The crossing of streams by resource access roads can be the most detrimental to the aquatic habitat of the entire forest harvesting process. The development of resource access roads can enable the infraction of sediment into the aquatic habitat, thus reducing stream productivity. The crossings can also present a barrier to salmonoid migration if improperly installed or designed.

The goal of this research is to update and improve construction criteria for resource road stream crossings, by investigating the effects different stream crossings have on the surrounding aquatic habitat. This was accomplished through surveying and evaluating the crossing sites and estimating the magnitude of impairment inflicted on the stream and surrounding area. The results from this project will provide a basis for identifying and indexing environmental concerns pertaining to stream crossings and aquatic habitat within the Western Newfoundland Model Forest.

Reports and Products

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Stream Crossing Inventory - Complete Manual. Jennings, Darren. Jan. 2003. Western Newfoundland Model Forest, Corner Brook, Newfoundland. WNMF: 8-305-005

Streams Crossing Inventory GIS Database (Version 2.0): Final Report. Centre for Forest and Environmental Studies. 2000. Corner Brook, Newfoundland. WNMF: 8-305-006, 7p.