

Title

RISK ASSESSMENT-RIPARIAN MANAGEMENT ZONES

Model Forest

Western Newfoundland Model Forest

From To

2005

Keywords

Treatment, Control Sites, Water Quality, Treatment, Buffer

Objective

To quantify significant baseline differences between proposed treatment and control sites and significant differences in the treated buffer site with regards to terrestrial and aquatic invertebrates, water quality and temperature.

Description

With increasing desire from forestry companies to harvest wood within buffer zones in Newfoundland, the Newfoundland and Labrador Riparian Working Group (NL RWG) has initiated research to assess the impacts of such cutting activities on buffer zone integrity. Three buffer zone management techniques were recommended by the Newfoundland and Labrador Department of Natural Resources. Subsequent trials determined the insertion method to be best based upon impacts on buffer integrity, and quantity of timber harvested unit effort.

The current year of study includes one buffer that has been treated and three buffers that will provide baseline information. The long-term objective of this work will be to assess whether managed 20m riparian buffers maintain buffer integrity better than unmanaged buffers, as measured by water quality, temperature, and invertebrate composition.

Reports and Products

Risk Assessment-Riparian Management Zones-End of Season Report 2005: Riparian Zone Study at Black Lake Study Site, FMD 9. Rodrigues, B. 2006. Western Newfoundland Model Forest, Corner Brook, Newfoundland. WNMF: 2-220-001, 37p.