

Title

EFFECTS OF MANAGED BUFFER ZONES ON FAUNA AND HABITAT ASSOCIATED WITH A HEADWATER STREAM IN THE INDIAN BAY WATERSHED IN NORTHEAST NEWFOUNDLAND

Model Forest

Western Newfoundland Model Forest

From	To
2001	2002

Keywords

Aquatic, Ecosystem, Buffer Zones, Selective Harvesting

Objective

The effectiveness of managed buffer zones in protecting an aquatic ecosystem during forest harvesting was studied for a two year period on a small headwater in northeastern Newfoundland, Canada. The findings of this study will provide forest managers within the province with region specific data upon which forest management practices can be made.

Description

The study consisted of several components: abiotic (water temperature and sedimentation) and biotic (macroinvertebrates and salmonids). These components were studied pre and post harvest to determine the impact of the following riparian management schemes: 20 m buffer; 20 m buffer with 30% of the basal area harvested; 30-50 m buffer with 30% of the basal area harvested; and a no harvest 'control' site.

Reports and Procedures

Effects of managed buffer zones on fauna and habitat associated with a headwater stream in the Indian Bay Watershed in Northeast Newfoundland: A thesis submitted to the School of Graduate Studies. Well, Jacquelyn M. May 2002. WNMF Report # 8-804-001. 18 pp.