

Title

BROOK TROUT HABITAT USE AND MOVEMENT PATTERNS

Model Forest

Western Newfoundland Model Forest

From

September 1993

To

July 1994

Keywords

Brook Trout, Riparian Habitat

Objective

To study the effects of forest harvesting practices on the movement of brook trout between various riparian habitats.

Description

The major objective of this research is to determine if forest harvesting activities in riparian habitats will effect the regular movements of brook trout. The area chosen for this study is the Copper Lake watershed, a small tributary draining approximately 13.5 km² within the Corner Brook Lake watershed. The Corner Brook Lake watershed is isolated from anadromous fish migration by natural and man-made barriers, hence the streams in the study area are used by resident brook trout only. The research objective will be attained by monitoring the movements of trout between the various habitats available before and after forest harvesting. Environmental and physical variables will be measured to see if correlations can be made with when and where brook trout move, and evaluate, if any, the impact of forestry activities on their movement. The information derived from this research can be used to develop a habitat based model for brook trout and facilitate effective ecosystem management planning.

Reports and Products

The Impacts of Riparian Timber Harvesting on the Movements of Brook Char (*Salvelinus fontinalis*) in the Copper Lake Watershed, Corner Brook, Newfoundland. McCarthy, J. 1994. Memorial University of Newfoundland, St John's, Newfoundland. WNMF: 8-302-001, 13p.