

Title

BIODIVERSITY ASSESSMENT PROJECT (BAP)

Model Forest

Western Newfoundland Model Forest

From

2000

To

2003

Keywords

Biodiversity, Natural Disturbance, Computer Modeling

Objective

To develop a computer modeling tool that can be used to assess the biodiversity implications of a variety of timber harvest scenarios.

Description

This project consists of several components including the development of baseline conditions of forest habitat and structure using successional rules, the conversion of the pine marten habitat supply model to a BAP friendly format, the development of a variety of scenarios, the transfer of knowledge to planning analysts, the interpretation of results and delivery of recommendations regarding landscape level biodiversity-friendly harvesting alternatives.

Reports and Products**BAP Research and Development for the WNMF - July 24th Meeting Proceedings**

WNMF. July, 2000. Western Newfoundland Model Forest. WNMF: 8-802-001. 58pp.

The Biodiversity Assessment Project in Western Newfoundland: Phase II Analysis of Biodiversity- friendly Alternatives using coarse filter and pine marten habitat suitability model.

Doyon, Frederik. August, 2001. Institut Quebecois d'Aménagement de la Foret Feuillue. WNMF: 8-802-002. 7pp.

The Biodiversity Assessment Project in Western Newfoundland: Mid-Term Progress Report

Doyon, Frederik. March 2002. Institute Quebecois d'Aménagement de la Foret Feuillue. WNMF: 8-802-003. 28pp.

Phase III: Analysis of biodiversity-friendly alternatives using coarse-filter and habitat supply models: Mid-Term Progress Report

Doyon, Frederik. April 2003. Institute Quebecois d'Aménagement de la Forest Feuillue. WNMF: 8-802-004.

Testing Habitat Suitability Index Model For Boreal Owl In Western Newfoundland: Preliminary Field Surveys and Proposed Methodology.

Powell, K. November 2005. Western Newfoundland Model Forest. WNMF: 8-802-005, 22pp.

Biodiversity Assessment of Four Forest management Scenarios in District 15, Western Newfoundland.

Doyon, Frederik. February 2006. Institute Quebecois d'Aménagement de la Foret. WNMF: 8-802-006, 87pp.

Testing Habitat Suitability Index Model For Boreal Owl In Western Newfoundland Using Local Field Data.

Powell, K. March 2006. Western Newfoundland Model Forest. WNMF: 8-802-007, 51pp.

Future Testing of a Woodland Caribou Habitat Suitability Index Model: Forest Management District 15. Powell, K. March 2006. Western Newfoundland Model Forest. WNMF: 8-802-008, 15pp.

Testing a Habitat Suitability Index Model for Boreal Owl and Woodland Caribou in Western Newfoundland Using Local Field Data: Project Update. Russell, S.; Powell, K. March 2007. Western Newfoundland Model Forest. WNMF: 8-802-009, 50pp.

Comparing biodiversity under forest management strategies with natural landscape dynamics of the Western Newfoundland Model Forest (District 15). Doyon, F.; Rochon, P.; Jardon, Y.; Sturtevant, B. June 2007. Western Newfoundland Model Forest. WNMF: 8-802-010, 86pp.