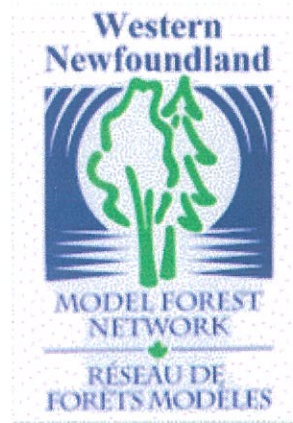


The Biodiversity Assessment Project In Western Newfoundland



**Phase III: Analysis of Biodiversity-friendly alternatives
using coarse-filter and habitat supply models**

Mid-Term Progress Report

Frederik Doyon, RPF, PhD, IQAFF

April 2003

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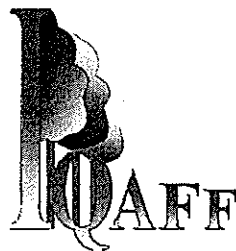
THE BIODIVERSITY ASSESSMENT PROJECT IN WESTERN NEWFOUNDLAND



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Frédéric Doyon, RPF, PhD, **IQAFF**



April 2003

THE BIODIVERSITY ASSESSMENT PROJECT IN WESTERN NEWFOUNDLAND

Phase III : Analysis of biodiversity-friendly alternatives using coarse-filter and habitat supply models.

Principle investigator: Frédéric Doyon, RPF, PhD (IQAFF)

Collaborators: Tim moulton, Darren Jennings, CBP&P, Kruger

Jason Pond, Forest Service, Dep. For. Res. & Agrif.

Partners: Western Newfoundland Model Forest

Institut Québécois d'Aménagement de la Forêt Feuillue (IQAFF)

Corner Brook Pulp and Paper Ltd. (A division of Kruger Inc.)

Department of Forest Resources and Agrifoods, Newfoundland and Labrador

Forest Service, Ecosystem Management Division

Canadian Forest Service

This document presents the advances of the research on "Analysis of biodiversity-friendly alternatives using coarse-filter and habitat supply models".

Proposed schedule

Tasks	Period	Work load	
		IQAFF	CBPP
1. Producing the forest projections	02/10/01-02/11/15	1 week	6 weeks
2. Species selection procedure	02/07/15-02/08/01	2 weeks	
3. Developing 2 new HSMs	02/08/01-02/11/15	15 weeks	2 weeks
4. Training workshop	02/11/18-02/11/22	1 week	1 week
5. Running BAP indicators	02/11/25-02/12/21		4 weeks
6. Outputs analysis	03/01/06-03/02/14	6 weeks	
7. Results interpretation	03/02/17-03/03/14	4 weeks	
8. Report writing	03/03/17-03/03/31	2 weeks	

Budget

Task 0.	Improving PM HSM	100%	6 000 \$	(KBM invoice)
Task 1.	Producing forest projection	95%	1 425 \$	
Task2.	Selecting species	100%	3 000 \$	
Task3.	Developping HSMs	60%	13 815 \$	
	Hardware amortization	40%	568 \$	
	Sub-total		24 808 \$	
	Project management	5% of total	1 240 \$	
	Total		26 048 \$	

IQAFF received until now 10K\$

The contract of Phase III is 17 904\$ (+ 22 005\$) of the balance of last year, total of 39 909\$. With approximately 40% of the entire project realized, we have spent 20 048\$ (excluding the money allocated to Arnold Rudy's time since it was not budgeted for this Phase III 26 048 \$ - 6 000\$), giving 50% of the total amount projected.

Coming deliverables

End of April HSM of the boreal owl
End of May ArcInfo model for the boreal owl
Literature review on habitat requirement of the woodland caribou
HSM of the woodland caribou
End of June ArcInfo model the woodland caribou

Work completed

The following section explains the tasks accomplished since the beginning of the project.

Task 0: Improving the pine marten HSM. This task was not forecast but has required a large amount of time (and money 6K\$!) from Arnold Rudy (KBM).

Completion : 100% completed (These changes were required by Tim Moulton)

Deliverables : Modification of source codes

Task 1 : Supervising the CBPP forest timber supply analysis team in producing the four FM scenarios (business-as-usual, fragmented, aggregated, marten-friendly)

Completion : 90% completed (BAU, FRAG & AGGR completed, MARTEN in progress)

Deliverables : No deliverables by IQAFF else than all phone and mail exchanges (validated by Tim Moulton, Darren Jennings and Jason Pond)

Task 2 : Species selection

Completion : 100 % completed. Two species. Wood caribou and boreal owl

Deliverables : Table of selection of a list of species. Evaluated with the help of Christine Doucet

Task 3 : Developing 2 HSM

Completion : 60%. Boreal owl 75% completed. Wood caribou 40%.

Deliverables :

- Boreal owl habitat requirement literature review (100%)
- Boreal owl HSM model (95%, review by NF people is missing)
- Boreal owl HSM coding (50%)
- Wood caribou habitat requirement literature review (70%)
- Wood caribou HSM model (25%)
- Wood caribou HSM coding (0%)

Tasks 4 to 8 : 0% completed