



**Facilitation**

**Coordination**

**Networking**

**Focus on local  
issues**

**Innovation**

**Relevance**

**Knowledge  
mobilization**

**Transparency**

**Diverse partners/  
Diverse perspectives**

**Respectful,  
neutral forums**

**Always improving**

# TOWARDS RESILIENCE



**FUNDY MODEL FOREST  
2007-2011**

***“I think this is the first time that everyone in the woodlot sector has been in one room...”***

***Ken Hardie,  
General  
Manager, NB  
Federation of  
Woodlot  
Owners, 2008***



## **GO FORESTRY.CA**

Forestry organizations in New Brunswick, led by the New Brunswick Forest Products Association, collaborated to create an interactive website and promotional campaign to promote forestry and careers in forestry. It has been taken up by the Nova Scotia Forest Products Association.

## **STRATEGIES TO COMPETE**

### **Tough Times, New Ideas**

February 2008, Fredericton, N.B.

Representatives from the entire woodlot supply chain from contractors and truckers to buyers sat down with woodlot organizations and government representatives. Workshop summary and recommendations were widely distributed and formed the backbone of the Fundy Model Forest program in following years.

### **Bio-energy**

- Stantec (engineering consultants) conducted three case studies for the NB Federation of Woodlot Owners. Results were summarized in *“Bio-energy Opportunities for New Brunswick Communities and Woodlot Owners”*.
- In conjunction with Stantec, AGFOR Inc. prepared the report *“Regional Biomass Profiles”*.
- Multi-stakeholder project was initiated in 2011 to evaluate the economics of heating public buildings with pellets, the efficacy of pellets produced in the province, and emissions (air quality).

### **Woodlot aggregation**

- Southern New Brunswick Wood Co-op piloted a woodlot aggregation management project in which woodlot owners agreed to have their woodlots managed under one plan.

Preliminary results:

Operational cost savings  
Less environmental impact  
New and more market opportunities

- More woodlots will be added to the pilot in 2011.

### **Woodlot Owner Survey**

- The New Brunswick Department of Natural Resources, with the University of New Brunswick and Fundy Model Forest, is conducting a province-wide survey in the spring of 2011 to find out who today's woodlot owners are (age, gender, etc.) and find out their goals and values for their woodlots.

## BIO-ECONOMIC DIVERSIFICATION

Fundy Model Forest, along with Model Forests across Canada, has been working to promote the development of small- to medium-sized businesses from non-timber forest products for almost a decade. With the mills closing and woodlot owners struggling to find new markets, the Model Forest stepped up efforts to provide information to woodlot owners about the potential of non-timber forest products as an alternate source of income or as a supplement to timber and pulp sales.

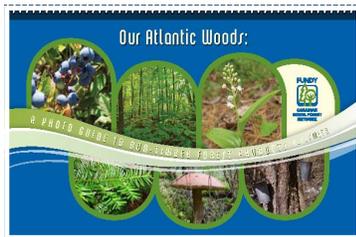


### From Our Atlantic Woods

Model Forests with several forestry organizations across Atlantic Canada and Maine produced a regional directory of non-timber forest products. Sobeys supermarket chain distributed 30,000 copies through their stores. [www.fromouratlanticwoods.com](http://www.fromouratlanticwoods.com) provides continuous updates.

### From Atlantic Fields and Woods Workshop

Atlantic Model Forests hosted a two-day workshop focusing on developing small and medium businesses and marketing non-timber forest products.

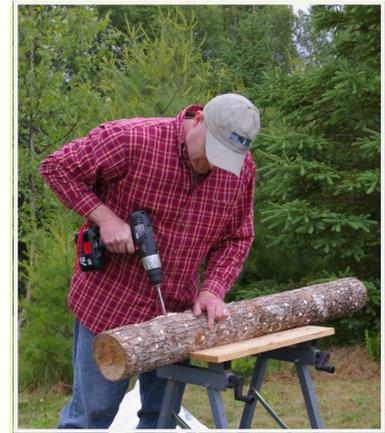


### Our Atlantic Woods: A Photo Guide to Non-Timber Forest Products

Fundy Model Forest with assistance from the First Nations Forestry and Forest Communities Programs published a 112-page colour photo guide to help woodlot owners identify plants, trees, mosses and mushrooms on their woodlots that have commercial potential as non-timber forest products. The book is also well received by the public as a take-along guide and the New Brunswick Public Libraries have distributed copies to libraries and bookmobiles.

### Canadian Model Forest Network Report

“From East to West: Key Lessons in Non-Timber Forest Product Development in Canada’s Model Forests”



## Outreach SHAPING OUR FUTURE

February 2008  
Taymouth, N.B.

Hosted by Fundy Model Forest

Presentations on new business models by woodlot owner co-operatives followed a tour of Nashwaak Valley Wood Energy pellet plant.

### Results

Fundy Model Forest supported demonstration projects by SNB Wood Co-op:

- Wildlife habitat enhancement
- Shiitake mushroom production

Mushrooms are being grown in southern NB woodlots and marketed locally.

## KNOWLEDGE

“Survival Skills: The Economic Transitioning of Forestry and Other Single Industry Communities”  
A Literature Review  
A. Marlin

## RESOURCES



## TOOLKITS

“Rural Cycling Toolkit: Lessons Learned from the First Corn Hill Bicycle Festival and Route Guide”  
G. Waugh and J. Brown

## NATIONAL TOOLKIT

Fundy Model Forest is piloting the Canadian Model Forest Network socio-economic toolkit “Taking Stock of Your Community in Turbulent Times: A Handbook for Conducting Rural Community Assessments”.

## COMMUNITIES BUILD ON THEIR STRENGTHS

In 2007 communities throughout New Brunswick were reeling from the closure of their local mills. When Natural Resources Canada selected Fundy Model Forest to deliver the Forest Communities Program in New Brunswick, the Model Forest moved quickly in several directions.



### Village of Petitcodiac

*As a municipality, we needed to seek new economic opportunities both from within and outside forestry if Petitcodiac was to continue to prosper. But first, we needed to take stock and plan. Through the Fundy Model Forest, we started working with experts from Rural and Small Town Program at Mount Allison University. This work, funded under the Forest Communities Program, is empowering us to move forward as a community. It helped us involve residents of the village and surrounding area in determining what capacities (municipal, economic and cultural) we need to maintain our population and attract growth and how to build those we lack. With support from the Forest Communities Program, the Rural Secretariat and the Federation of Canadian Municipalities, **Petitcodiac is developing one of the first Integrated Sustainable Community Plans in New Brunswick.***

— Jerry Gogan, councillor, Village of Petitcodiac, 2011



*About 100 people took part in the first **Corn Hill** Bicycle Festival in the tiny rural community of Corn Hill in 2010. Fundy Model Forest and Health and Wellness NB funded the pilot festival which promoted cycling as a healthy exercise for rural residents.*

## UPPER ST. JOHN RIVER VALLEY

Initiatives led by Falls Brook Centre and supported by Fundy Model Forest produced

- Community asset mapping workshops
- Skill-building workshops: resolving conflict and facilitation
- A Community Resilience Toolkit
- A Directory of Forest Goods and Services for the Upper St. John River Valley

Initiatives carried out by the Rural and Small Town Program led to

- A Strength, Weakness, Opportunities, and Threat (SWOT) assessment conducted with Village of Perth-Andover
- SWOT toolkit ready for adaption by others

## **RURAL MUNICIPALITY OF MIRAMICHI**

Project

Support efforts of the Conservation Council of New Brunswick and the municipality to diversify its forest economy.

Goal

Develop a centre of excellence for non-timber forest products and community forest

First Results

“GIS mapping of the Rural Municipality of Upper Miramichi and Analysis for Non-Timber Forest Products” compiled on a CD.

Next

Engage residents and assess the potential for a community forest in the Upper Miramichi.



## **SUSTAINABLE PLANNING FOR YOUTH (SPY) CAMPS**



PETITCODIAC 2010

Youth age 10-12

Conducted by Rural and  
Small Town Program

Four-week  
summer day camp  
introduced youth to  
sustainable rural  
planning

Young people became  
engaged in the village's  
integrated sustainable  
community planning  
process.

Recommended creation of  
bike park to village council  
summer 2010

Bike park to open summer  
2011

Council continues to work  
with youth.

Fundy is funding SPY  
camp in Elgin in 2011.

## **OUTREACH AND EDUCATION SHARING INFORMATION, BUILDING SKILLS**

### **Inner Bay of Fundy and Atlantic Salmon Forum**

Initiated by Fundy Model Forest in 2006 to address habitat stewardship in watersheds feeding into Fundy National Park and impacting Inner Bay of Fundy Salmon recovery efforts led by the Park and Fort Folly First Nation. It has evolved into an information-sharing forum shepherded by Fundy Model Forest.

Atlantic Salmon Federation, Fundy National Park, Fort Folly First Nation, as well as federal agencies, watershed associations, fish and wildlife groups, researchers, and community-level groups take part. All are involved in recovery or conservation efforts.

To date, the condition of water crossings in three watersheds have been inventoried and assessed for maintenance or replacement.

In 2011, Fundy Model Forest is organizing two workshops to build skills and resources where a need was identified by the on-the-ground organizations.

- Using and Sourcing Geographical Information Services (GIS)
- Streambank Restoration Training





**Provincial woodlot field day** was revived in 2010 with more than 200 people boarding wagons to tour a woodlot in Havelock. Fundy Model Forest joined with NB Federation of Woodlot Owners, Southern New Brunswick Wood Co-op and INFOR Inc. to organize the day. Second annual woodlot field day will take place in conjunction with the Southeast New Brunswick Forest Products Marketing Board September 2011.

## OUTDOOR EDUCATION FOR YOUTH

Support is given to outdoor education programs offered to elementary and high school students and to Envirothon NB.

- Elmhurst Outdoors, an outdoor education and recreation facility serves School Districts 6 and 8. Programs are offered to enhance Grade 2, 4, and 5 curricula and operate at capacity.
- Elementary programs are being started in School District 13 by Université de Moncton, Faculty of Forestry. They will be offered at the university's experimental forest in 2011.
- Fundy Model Forest hosts workshops annually for teams competing in Envirothon, a provincial environmental science competition.
- Atlantic Model Forests contributed funding to Canon Envirothon 2011, the international competition, hosted in Sackville, New Brunswick.

## IMPLICATIONS OF INTENSIVE SILVICULTURE AND MIXEDWOOD STAND DYNAMICS ON FOREST MANAGEMENT

Jan. 28, 2010  
Fredericton, N.B.

Hosted by  
Sustainable Forest  
Management Network  
Fundy Model Forest  
J.D. Irving, Limited

This workshop presented results of 10 graduate student projects at University of New Brunswick and Université de Moncton, addressing dynamics of mixedwood stands and relationship of stand composition and structure to habitat in silviculturally treated stands (plantations and pre-commercially thinned stands). This large project took place in two study areas about 300 km apart, in northern NB (Black Brook District) and southern NB (Fundy Model Forest).

Continuing education credits were offered.



## **FOREST BIOMASS FEEDSTOCK WORKSHOP**

Feb.24, 2009  
Fredericton, N.B.

Fundy Model Forest hosted a workshop to examine issues related to the sustainable supply of biomass from New Brunswick forests. The workshop provided information, described tools to predict the availability of sustainable supplies of biomass feedstock and identified gaps in knowledge that need to be investigated.

### **Results**

Knowledge gap identified— implications for biodiversity

Impacts to Biodiversity Harvesting Literature Search to be completed in 2012.

## **SCIENCE FOR MANAGEMENT**

### **Balsam Woolly Adelgid Hazard Ratings - 2008**

#### **Results**

Management implications  
Recommendations to prevent spread  
Poster: Your Woodlot at Risk

### **Mitigating Impact of Climate Change**

Radial growth forecasts of the potential response of nine commercial tree species in southeastern New Brunswick to changes in climatic conditions - 2007-2010

## **FOREST RESEARCH NEEDS WORKSHOP**

Nov. 16, 2010  
Fredericton, N.B.

Researchers and government representatives, land managers, and non-governmental organizations identified priorities for research.

This workshop will be instrumental in setting the research direction for Fundy Model Forest for the next five years.

### **Sustainable Forest Community-University Research Alliance (CURA) Project—2009-2012**

Fundy Model Forest participates in the Sustainable Forest CURA which is conducting research addressing the issues of conservation, public engagement, and sustainability. In the working groups, representatives of environmental organizations and forest industry hammer out consensus and reach agreement on difficult issues in natural resources management.

## **INTERNATIONAL**

### **Transatlantic Education for Global Sustainable Forest Sector Development (TRANSFOR)**

Fundy Model Forest hosted a tour stop in 2008 and will again in 2012.

### **International Model Forest Network Global Forums**

Fundy Model Forest has participated in all these global gatherings of the international Model Forest community including those in 2008 and 2011.