

2009-2010 ANNUAL WORK PLAN



Resources North Association

www.resourcesnorth.org

Submitted to the Canadian Forest Service's
Forest Communities Program

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Introduction

This annual work plan covers Resources North's Forest Communities Program (FCP) focus for the fiscal year April 1, 2009 to March 31, 2010. The Resources North Strategic Plan (2007-2012) prepared for the FCP provides the foundation document for preparing this plan.

The first eighteen months of the FCP delivery was focused on ramp-up tasks and initial start-up work in order to put in place governance structures, policies and procedures, and financial management for the program. A near complete staff turn-over during this period resulted in substantial efforts towards training and human resources. While the number of internal changes were many, these were dwarfed by the external change in the economic situation; more than 3,000 mill and forestry workers in the region have lost their jobs over the past two years, and other sectors like mining and oil and gas are also starting to cut production because of a slowing global economy. The need to support communities as we transition through this recession has never been greater.

During the start-up phase relevant communities, organizations, agencies and individuals (professionals, practitioners) have been contacted to provide clear and sound knowledge of our FCP mandate, goals and objectives and opportunities for participation and partnership. We continued work on a number of projects carried forward from the Model Forest program, and initiated a number of new projects related to integrated resource management. Our *Community Adaptation to Climate Change* program was a key focus of our work with significant extension, liaison and engagement activities to establish and maintain linkages between agencies and organizations addressing climate change in northern BC.

The next twelve months under this proposed work plan will continue to deliver on the climate change program, and several projects related to integrated resource management will be initiated or continued. We are simultaneously building a base case for addressing cumulative impacts management. We're also proud to continue our support of partner-led projects such as the numerous ongoing caribou research and modeling projects and the public event releasing hatchery-reared juvenile sturgeon. A new partner-led project will see the delivery of five 2-day natural resource management camps to high-school students across north-central BC. Pending the outcome of our funding proposals, we will deliver a series of workshops that provide communities with the information needed to consider establishing biomass energy systems and/or agroforestry operations, both of which address offsetting the impacts of mountain pine beetle in the region through economic diversification. Should these proposals not be successful and/or external funding is secured, we have outlined a number of potential back-up projects to select from that address First Nations engagement, integrated resource management scenario planning, community reforestation to address climate change, continuation of the PlanMapper project, and the compilation of a mineral sector speakers bureau. Details and descriptions of these back-up projects are provided in Appendix B.

With our internal operations in place, the Association is now well positioned to build the buy-in and support from funders, partners and project participants. There has been strong support for and identification of the need for an organization such as Resources North to facilitate the process of integration across sectors to re-balance the demands on the land base. We are excited to embark on the project work proposed for the year ahead!

Linkages between Activities and Outputs / Outcomes

As per the Resources North FCP Strategic Plan, there are 5 program areas, and the work plan projects are organized around those area themes:

1. Community Engagement
2. Expanding the Knowledge Base
3. Operational Integration
4. Communications and Extensions
5. Program Delivery

Appendix A shows the logic model from our Strategic Plan which illustrates the immediate and intermediate outcomes noted in this work plan.

Table 1 provides a summary of the immediate and intermediate outcomes and outputs of each project.

Table 1. Summary of Outcome, Project and Output Linkages.

Program Area: Community Engagement		
Intermediate Outcomes¹: Capacity and processes to optimize development scenarios		
Immediate Outcomes²:	Projects	Expected Outputs
Community and regional interests documented Tools and processes to integrate development at a landscape level Information sharing processes	1. (#1001) Pilot Integrated Resource Management Forums for Community and Industry Leaders	<ul style="list-style-type: none"> • <u>Summary report</u> providing an initial assessment of opportunities and challenges, a commitment to an ongoing collective dialogue, and a joint plan for follow-up. • A <u>productive working relationship</u> between communities and industries on matters of resource development.

¹ Intermediate Outcomes are linked to and will be realized through the achievement of the immediate (short-term) outcomes described. These Intermediate Outcomes are expected to become realized by year 3.

² These Outcomes are taken directly from the Performance Measuring Logic Model from Resources North FCP Strategic Plan submitted to CFS September 21, 2007.

	2. (#1004) Use of agroforestry to offset MPB impacts on forest resources	<ul style="list-style-type: none"> • Delivery of 3 agroforestry <u>workshops</u> • Workshop <u>proceedings</u> • Project completion <u>report</u>
	3. (#1005) Feasibility of biomass energy for economic diversification and stability	<ul style="list-style-type: none"> • Delivery of 3 bioenergy <u>workshops</u> • Workshop <u>proceedings</u> • Project completion <u>report</u> • <u>Feasibility analysis</u> for establishing biomass energy systems

Program Area: Expanding the Knowledge Base

Intermediate Outcomes: Better informed communities, sectors and stakeholders

Immediate Outcomes:	Projects	Expected Outputs
Better informed project area processes	4. (#2001) Community Impacts and Adaptation to Climate Change.	<ul style="list-style-type: none"> • <u>4 to 6 newsletters</u> prepared and posted to the list serve. • Web-based <u>database</u> of regional climate change contacts / initiatives. • <u>Online profiles</u> of individuals and organizations acting on climate change. • <u>Formal linkages</u> with Pacific Institute for Climate Solutions and other relevant organizations established. • Updated <u>online collection</u> of climate change resources and information.
	5. (#2002) Assessing and building the state-of-the-knowledge on IRM	<ul style="list-style-type: none"> • <u>On-line collection</u> of community and IRM-related articles, reports, publications, and presentations • <u>Focused Workshop</u> on the State-of-the-knowledge of IRM

Program Area: Operational Integration

Intermediate Outcomes: Integrated operations; Clear outcomes and targets for industries and communities; sound processes.

Immediate Outcomes:	Projects	Expected Outputs
Experience and capacity for implementation of integrated operational plans Ability to monitor results	6. (#3010) Caribou / Wildlife Research & Extension	<ul style="list-style-type: none"> • Two electronic (PDF) <u>news bulletins prepared</u> and distributed on the central caribou distribution list; an <u>article and link</u> to the bulletin will be provided in Resources North's newsletter; and a link to the bulletin will be provided on Resources North's Publications webpage; • All documentation related to the 3 regional recovery groups will be posted to the centralcaribou.ca <u>website</u>.
	7. (#3020) Building a	<ul style="list-style-type: none"> • <u>Documentation</u> of consultations

	business case for addressing cumulative impacts management (CIM) and overlapping tenures	<ul style="list-style-type: none"> • Business case <u>report</u> on addressing CIM and overlapping tenures • Project descriptions <u>terms of references</u> resulting from business case report. • Development of <u>tools and processes</u> for communities to address CIM
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Program Area 4: Communications and Extension

Intermediate Outcomes: Policy making is better informed and adapted to support integration and reconciliation of results at the landscape level.

Immediate Outcomes:	Projects	Expected Outputs
Enhanced stakeholder, sector, community, and public understanding and use of products, outcomes and objectives of the program.	8. (#4001) Communications and extension of program information	<ul style="list-style-type: none"> • <u>Communications Strategic Plan</u>; • <u>Updated brochure</u> on Resources North project work • Host <u>information booth</u> at several trade show events & conferences; • Resources North <u>website updated</u>; • <u>Annual Report</u> for 2008-09; • Stock presentations and speech materials prepared for Directors use. • Climate change project extension; • Project <u>information sheets</u> prepared and posted on website.
	9. (#4003) Coordinate the juvenile Nechako white sturgeon release event	<ul style="list-style-type: none"> • Completion of the <u>release event</u>; • Distribution of <u>promotional materials</u> at the event;
	10. (#4004) Natural resource management (NRM) career awareness camps	<ul style="list-style-type: none"> • <u>Five 2-day NRM camps</u> with a resultant <u>report</u> compiling results and student/teacher surveys.

Program Area: Program Delivery

Intermediate Outcomes: Reputation for capacity to manage multi-source funds.

Immediate Outcomes:	Projects	Expected Outputs
Clear and effective program planning, management and accountability. Ability to demonstrate results and show value for funds invested.	11. (#5000) Administration, management and reporting	<ul style="list-style-type: none"> • Annual and phase (5-year) <u>financial and project tracking</u>; • <u>2010/11 Annual Work Plan</u>; • <u>2008-09 Annual Report</u>; • Independent, third-party <u>audit reports</u> (by Deloitte) for 2009-10; • All required Board approved <u>policies and procedures</u> in place. • Participation in Canadian Model Forest Network Strategic Initiatives, meetings and activities.

	12. (#5001) Governance and Board of Directors operations	<ul style="list-style-type: none"> • Monthly Executive Committee meetings; • Quarterly Board meetings; • Meeting Minutes; • Board review of the business plan; • Participation on the Board of the CMFN.
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Project Descriptions

Community Engagement Program

1. PILOT INTEGRATED RESOURCE MGMT FORUMS FOR COMMUNITY AND INDUSTRY LEADERS

Program Area: **Community Engagement**

Project Leader: **Resources North Association**

Project #: **1001**

New Project? **No**

Year Initiated: **2007**

Purpose: To create and facilitate several processes (forums) which bring community leaders together with industry sectors to examine Integrated Resource Management (IRM)-related challenges and opportunities, to promote productive working relationships between communities and resource industries, and to guide the development and testing of locally relevant solutions that address identified issues.

Description:

Building on the leadership workshop delivered in McLeod Lake in 2007, pilot a more in-depth forum in Fort St James or Vanderhoof at which resource industries and communities³ carry out a focused dialogue on their respective long-term interests and opportunities. If successful, additional community forums could be delivered in Mackenzie and the South Peace/Moberly/Chetwynd areas. Forums would include:

- ½ day resource industry preparatory meeting to discuss opportunities and challenges as seen by the industries.
- ½ day community preparatory meeting to discuss opportunities and challenges as seen by the communities.
- ½ day joint resource industry/community meeting to discuss common and differing interests and identify areas where the groups can work together in the future.
- A draft report on the joint meeting would be produced to provide a basis for follow-up activities.
- The participants would be asked to evaluate the process and short-term results and advise on how to improve the approach if offered to other communities.

³ Note: While it is recognized that the Provincial Government, and possibly the Federal Government have important roles in resource management, the purpose of this first forum is to develop a direct dialogue between industries and the communities most directly impacted by them. Therefore, the “senior” governments will be invited to participate at a later stage.

Budget

Funding Source	Cash	In-Kind	Total
CFS/FCP	\$8,000		\$8,000
Resources North	\$3,000		\$3,000
Community & Industry Participants		\$5,000	\$5,000
TOTAL	\$11,000	\$5,000	\$16,000

Planned Outputs and Outcomes:

- The short-term result would be a summary report providing an initial assessment of opportunities and challenges, a commitment to an ongoing collective dialogue, and a joint plan for follow-up.
- The longer-term result will be a productive working relationship between communities and resource industries on matters of resource development.
- The pilot will determine how similar processes would be beneficial with other communities and similar forums would be delivered in interested communities such as Fort St James-Vanderhoof and Chetwynd –Moberly Lake.
- Assess technical aspects and interests of scenario development as a potential project.

Project Partners

Industry Organizations:

Association of Mineral Exploration BC
Council of Forest Industries
Canadian Association of Petroleum Producers
Geoscience BC
Council of Tourism Associations BC

Communities:

District of Mackenzie
Fort St James
Vanderhoof
West Moberly
Chetwynd

Others:

FORREX Forum for Research and Extension in Natural Resources
UNBC Community Development Institute
Omineca Beetle Action Coalition
Ross Peck, Peace River resource management consultant

2. USE OF AGROFORESTRY TO OFFSET MOUNTAIN PINE BEETLE IMPACTS ON FOREST RESOURCES

Program Area: **Community Engagement**

Project Leader: **Resources North Association**

Project #: **1004**

New Project? **Yes**

Year Initiated: **2009**

Purpose:

To demonstrate the locally relevant reasons farmers, ranchers, woodlot owners/managers, forest managers, and First Nations forestry managers might wish to consider agroforestry as an option for economic development and/or diversification, improving farm and First Nations revenues,

and stabilizing wood fibre flow.

Rationale or Need: The mountain pine beetle (MPB) has negatively impacted the First Nations, communities (and regional districts) of northern BC in many ways. Agroforestry is one approach which is aimed at helping landowners and land managers deal with the significant and substantive impacts on forest resources on their lands and on adjacent tracts.

Description:

Three initial workshops providing: (a) the reasons farmers, ranchers, woodlot owners/managers, forest managers, and First Nations forestry managers should consider agro forestry as an option for economic development and/or diversification, improving farm and First Nations revenues, and stabilizing wood fibre flow; (b) an overview of agro forestry principles and practices in BC; (c) an understanding of the ecological benefits of agro forestry; (d) an understanding of conservation principles and the function of trees and shrubs in agricultural landscapes; (e) the economics of agro forestry (or intercropping) with a discussion of cash flows and cost-benefit considerations in mixed output systems; (f) procedures to obtain market knowledge, and the marketing skills required; (g) an overview of current and potential agro forestry products; (h) producer stories, emphasizing the challenges of making it all work; (i) an overview of available tools and resources; and (j) working sessions using individual tools and either participant information or a hypothetical example.

In addition, an analysis of the feasibility (including costs and land availability) and desirability of establishing agroforestry demonstration trials near the affected communities and First Nations will be conducted.

Project Objectives:

1. Increase the awareness and understanding of the potential of agroforestry to enhance long-term First Nations community stability and economic diversification;
2. Provide information on the business potential, products, and marketing of agro forestry in the Prince George, and Lakes Timber Supply Areas; and
3. Determine the feasibility (including costs, and land/resource availability) and desirability of establishing agroforestry systems in the affected communities and First Nations.

Budget

Funding Source	Cash	In-Kind	Total
CFS/FCP	\$7,800	\$5,000	\$12,800
WED / CEDI	\$44,400		\$44,400
FORREX	\$3,000	\$7,300	\$10,300
TOTAL	\$55,200	\$12,300	\$67,500

Planned Outputs and Outcomes:

1. Delivery of 3 workshop to rural and First Nations communities;
2. Prepared proceedings for the web-site;
3. Project completion report;
4. Increased skills, knowledge, and competencies for First Nations community members;
5. Increased business capacity, productivity, and viability;
6. New start-ups and enhanced existing businesses; and
7. Successful community and First Nations adjustment.

Project Partners

Western Economic Diversification, Community Economic Diversification Initiative Program
FORREX Forum for Research and Extension in Natural Resources
First Nations Mountain Pine Beetle Initiative and the First Nations Forestry Council
Omineca Beetle Action Coalition
Ministry of Forests and Range
Ministry of Agriculture and Lands

3. FEASIBILITY OF BIOMASS ENERGY FOR ECONOMIC DIVERSIFICATION AND STABILITY

Program Area: **Community Engagement**

Project Leader: **Resources North Association**

Project #: **1005**

New Project? **Yes**

Year Initiated: **2009**

Purpose:

To deliver a series of workshops that would facilitate an increase in awareness and understanding of the potential of biomass energy systems to improve First Nations living conditions and well-being, and to establish a biomass energy information network which is current, readily accessible, and tailored to First Nations needs.

Rationale or Need:

Current availability and cost of fossil fuels for heating has driven many First Nations communities in search of alternative energy sources. Biomass burning combines traditional methods with new technology to create a more environmentally friendly and inexpensive energy source. For communities with a readily available biomass supply (e.g., mountain pine beetle (MPB)-killed lodgepole pine, and green timber), biomass heating can be a cost-effective and viable alternative to petrochemical fuels.

Description:

Biomass energy has been re-established as an acceptable source of energy for many North American communities. If the state-of-the-art Conversion Technology is employed, biomass can be both a clean and a sustainable energy source. The ideal approach, to take advantage of wood 'waste' as a potential source of energy in BC, would appear to be an institution or community

initiative sized to match the available fuel. It is a challenge, however, to keep up with the organizations and institutions disseminating information and incentives concerning biomass as an energy source, as well as examples of successful biomass installations throughout North America. To help overcome this, our general approach will include:

- (1) Three initial workshops providing information on: (a) fuel characteristics and supply, and handling costs; (b) existing energy demands and costs for buildings and complexes; (c) relevant municipal, provincial, and federal regulations and associated issues; (d) comparison of potential biomass energy systems, including capital and operating costs; (e) financial and risk analysis of potential systems; (f) breakdown of associated opportunities for hybrid energy systems, government financial assistance, and education; and (g) potential administrative/ownership opportunities.
- (2) An analysis of the feasibility (including costs, and land and resource availability) and desirability of establishing biomass energy systems and industries in the affected communities and First Nations.

Project Objectives:

1. Facilitate an increase in awareness and understanding of the potential of biomass energy systems to improve First Nations living conditions and well-being; and
2. Establish a biomass energy information network which is current, readily accessible, and tailored to First Nations needs.
3. Provide information on the business potential, products, and marketing of biomass energy systems and industries in the Prince George, and Lakes Timber Supply Areas; and
4. Determine the feasibility (including costs, and land and resource availability) and desirability of establishing biomass energy systems/industries in the affected communities and First Nations.

Budget

Funding Source*	Cash	In-Kind	Total
CFS/FCP	\$12,250	\$9,000	\$21,250
Resources North	\$8,000		\$6,000
WED / CEDI	\$105,000		\$105,000
FORREX		\$3,400	\$9,400
UNBC	\$10,000	\$2,500	\$8,500
TOTAL	\$135,250	\$14,900	\$150,150

**Aconyms spelled out in Project Partners list below*

Planned Outputs and Outcomes:

1. Workshop forums with resultant report compiling results from workshops;
2. Prepared proceedings for the web-site.
3. Project completion report detailing the project accomplishments, the outputs, the benefits, the projected outcomes, the partnerships and their contributions, actual costs, and future plans and actions.
4. Enhanced capacity for First Nations to implement strategies identified in their new alternative energy strategic plans;
5. Cheaper, more efficient heating of First Nations community centres, recreational facilities, offices, and housing;
6. Increased business capacity, productivity, and viability;
7. New start-ups and enhanced existing First Nations businesses;
8. Increased skills, knowledge, and competencies for First Nations members; and
9. Successful First Nations adjustment to the MPB epidemic impacts.

Project Partners

Western Economic Diversification, Community Economic Diversification Initiative Program (WED/CEDI)

FORREX Forum for Research and Extension in Natural Resources

University of Northern British Columbia (UNBC)

First Nations Mountain Pine Beetle Initiative and the First Nations Forestry Council

Omineca Beetle Action Coalition

Ministry of Forests and Range

Ministry of Agriculture and Lands

Expanding the Knowledge Base Program

4. COMMUNITY IMPACTS AND ADAPTATION TO CLIMATE CHANGE

Program Area: **Expanding the Knowledge Base**

Project Leader: **Resources North Association (RNA)**

Project Number: **2001**

New Project? **No**

Year Initiated: **2006**

Purpose:

In order to support northern communities in addressing impacts related to climate change, Resources North has established this program to provide information, support and networking opportunities for interested community members across northern BC.

Rationale or Need:

Resources North, through the Northern Climate Change Network (NCCN), plays a leading role in coordinating and/or communicating around key climate change adaptation activities regionally.

Description:

Since its inception in 2006, the NCCN has been contributing to climate change-related activities in central BC. These activities are expanding further with dedicated contractor time allocated to the Network, as supported by Resources North. In response to an identified need in local communities, a key activity of the NCCN will be to provide a comprehensive online database of individuals and organizations involved in climate change in the region. This will be augmented with detailed profiles of individuals and groups providing leadership in climate change action. Additional facilitation and extension work will be conducted through NCCN as opportunity arises, in partnership with other key organizations. The further development of a listserv and updating of the *Climate Change Initiatives* web pages are ongoing actions towards establishing resources and tools to keep interested individuals and organizations informed of recent or upcoming events and issues. While the listserv and website are currently one-way communication tools, the hope is to eventually develop a more interactive forum for discussions. As more information becomes available, it will be posted to the NCCN webpage. Linkages and partnerships with the Pacific Institute for Climate Solutions (PICS) and other relevant organizations will be a priority. In addition, regular newsletters and web updates will be prepared and posted to the listserv and other NCCN web pages.

Project Objectives:

- 1) Database development and web service for a list of regional climate change organizations and activities;
- 2) Participation in national-level Forest Community Program Strategic Initiatives to pilot a vulnerability assessment guidebook in local communities;
- 3) Extension of regional climate change reports;
- 4) Further implementation of the NCCN's "Profiles in Climate Change Action";
- 5) Further development of other regional web tools and climate change information services.

Budget

Funding Source	Cash	In-Kind	Total
CFS/FCP	\$20,000		\$20,000
Province of BC	\$7,500	\$2,500	\$10,000
PICS	\$2,500	\$2,500	\$5,000
Municipal Govt	\$5,000	\$2,500	\$7,500
UNBC		\$2,500	\$2,500
TOTAL	\$35,000	\$15,000	\$45,000

Planned Outputs and Outcomes:

1. 4 to 6 newsletters prepared and posted to the list serve.
2. Web-based database of regional climate change contacts and initiatives.
3. Comprehensive collection of regionally based profiles of individuals and organizations acting on climate change.
4. Formal linkages with PICS and other relevant organizations established.
5. Updated web-based access on NCCN website to climate change resources and information.
6. Regional decision-makers and stakeholders will have significantly improved access to regional climate change adaptation initiatives, information and resources.

Project Partners

Canadian Forest Service (Northern Forestry Centre, Edmonton)

City of Prince George and other regional municipalities and municipal organizations

Ministry of Forests and Range

Ministry of Environment

Pacific Institute for Climate Solutions (PICS)

University of Northern British Columbia (UNBC)

5. ASSESSING AND BUILDING THE STATE-OF-THE-KNOWLEDGE ON INTEGRATED RESOURCES MANAGEMENT

Program Area: **Expanding the Knowledge Base**

Project Leader: **Resources North Association**

Project Number: **2002**

New Project? **No**

Year Initiated: **2009**

Purpose: To develop a locally relevant and current understanding of the state-of-the-knowledge of Integrated Resource Management (IRM) principles and practices. In addition, it is important to understand the current knowledge of these principles and practices amongst the professionals, practitioners, elected representatives and decision-makers. This base-case information will be used to assess trends (e.g. improved knowledge) after several years of our project work, communications and extension work. The project will also work towards fostering engagement and buy-in for moving ahead on our IRM work at the community levels.

Description:

Through networking, online library databases, literature searches and reviews, relevant reports and information will be assembled and where needed, extension notes or summaries will be prepared and this information will be uploaded to an IRM information hub and made freely accessible. A newsletter will highlight the availability of this new hub and information.

An event coordinator will be hired to plan and deliver a 1 or 2 day workshop on the state-of-the-knowledge of IRM principles and practices and proposed work of the Resources North and its partners. The session will target, local government (northern BC), other elected officials,

First Nations community leaders, professionals and resource management practitioners from government and industry, and related researchers.

Budget

Funding Source	Cash	In-Kind	Total
CFS/FCP	\$10,000		\$10,000
Province of BC	\$5,000		\$5,000
Resources North Partners		\$5,000	\$5,000
TOTAL	\$15,000	\$5,000	\$20,000

Planned Outputs and Outcomes:

1. On-line library of IRM-related articles, reports, publications, presentation and other related resource material, made freely available;
2. Identification of gaps, barriers and opportunities as well as potential future projects;
3. Focused Workshop on the State-of-the-Knowledge of IRM.

Project Partners

- Province of BC
- Association of Mineral Exploration BC
- Canadian Association of Petroleum Resources
- North Central Municipalities Association

Operational Integration Program

6. CARIBOU / WILDLIFE RESEARCH AND EXTENSION

Program Area: **Operational Integration**

Project Leader: **Wildlife Infometrics and Ministry of Forests and Range**

Project #: **3010**

New Project? **No**

Year Initiated: **2006**

Purpose: Caribou and multi-species research provides important information for managers and industry sectors that can be integrated into their operational planning. This is an important component of IRM in north-central BC, where caribou habitat overlaps with industrial, recreational, residential, and agricultural developments. Land users are legally required to manage for species at risk, and these projects are developing habitat use data and modeling tools to make clear, knowledgeable, and explainable management decisions to support effective conservation of caribou and their range. The research will also provide an understanding of potential implications of broadly-distributed ecological change of large magnitude upon multiple wildlife species and their intra- and interspecific interactions. In addition an understanding of the factors and processes leading to ecological succession and availability of terrestrial forage lichens, the primary component of Ungulate Winter Ranges (UWRs) used by caribou, will distinguish UWRs requiring active management from those that do not.

Description:

Resources North will work with caribou researchers and the three northern recovery implementation groups (RIGs) to provide project and financial management, as well as extension services. Resources North will assist with development and distribution of electronic newsletters, and meet with researchers to determine requirements for updating the website for the central caribou recovery initiatives (www.centralbccaribou.ca).

Budget

Funding Source	Cash	In-Kind	Total
CFS/FCP	\$1,500		\$1,500
FIA	\$150,833		\$150,833
MOFR	\$50,000		\$50,000
MOE	\$2,500		\$2,500
TOTAL	\$204,833		\$204,833

Planned Outputs and Outcomes:

- Partner-led expected outputs include:
 - 2 technical reports and a newsletter detailing results of trapping, capture, collaring, census and population modeling for assessing caribou predation risk (prepared by Wildlife Infometrics);
 - 1 technical report detailing the results of the using fire as a tool to reinitiate lichen community development for future caribou habitat (prepared by Wildlife Infometrics);
 - 1 technical report and a newsletter detailing wildlife population resilience to extensive ecological change (prepared by Wildlife Infometrics);
 - 1 technical report detailing use, selection and winter foraging patterns among woodland caribou herds in central BC (prepared by Ministry of Forests and Range).
- Resources North will support the development of the above-mentioned electronic news bulletins, which will be distributed on the central caribou distribution list. An article and link to the bulletin will be provided in Resources North’s newsletter; and a link to the bulletin will be provided on Resources North’s Publications webpage;
- Resources North will post to the centralcaribou.ca website all partner-led research results related to this project and other studies/activities related to the 3 regional recovery groups.

Project Partners

Ministry of Forests and Range (MOFR)

Wildlife Infometrics Inc.

Ministry of Environment (MOE)

Forest Investment Account (FIA), Forest Science Program

7. BUILDING A BUSINESS CASE FOR ADDRESSING CUMULATIVE IMPACT MANAGEMENT (CIM) AND OVERLAPPING TENURES ISSUES

Program Area: **Operational Integration**

Project Leader: **Resources North Association**

Project #: **3020**

New Project? **No**

Year Initiated: **2009**

Purpose: Issues related to overlapping tenures and cumulative impact management continues to grow in priority for the Province, First Nations, and communities. Resources North has been approached to potentially play a key role in addressing certain aspects of these issues. There are many different perspectives, factors and implications surrounding these issues. As such, there is a critical need to undertake consultations, conduct interviews, assess information and develop a business case for a multi-year process addressing CIM and overlapping tenures.

Description: A consultative process will engage with Provincial representatives, industry, First Nations, communities, practitioners, researchers and stakeholders to develop a business case report identifying the implications, factors, and parameters for addressing issues around CIM and overlapping tenures.

Budget

Funding Source	Cash	In-Kind	Total
CFS/FCP	\$10,000		\$10,000
Province of BC	\$5,000	\$2,500	\$7,500
TOTAL	\$15,000		\$17,500

Planned Outputs and Outcomes:

- Documentation of consultations
- Business Case Report on Addressing CIM and Overlapping Tenures
- Project descriptions terms of references resulting from business case report.
- Development of tools and processes for communities to address CIM

Project Partners

Northern BC Interagency Management Committee

Ministry of Agriculture and Lands, Integrate Land Management Bureau

Communications and Extension Program

8. COMMUNICATIONS AND EXTENSION OF PROGRAM INFORMATION

Program Area: **Communications and Extension**

Project Leader: **Resources North Association**

Project #: **4001**

New Project? **No, Ongoing**

Year Initiated: **2009**

Purpose: High quality communications products in a variety of formats and targeting each of our 4 target audiences will ensure a high degree of awareness, buy-in and support of the CFS' Forest Community Program, Resources North and its work, and our partnerships.

Description:

In order to be current, informed, and well-marketed, Resources North requires promotional and visual identity products and strategies throughout the year.

Budget

Funding Source	Cash	In-Kind	Total
CFS/FCP	\$8,000		\$8,000

Planned Outputs and Outcomes:

1. Communications Strategic Plan & key messages approved;
2. Updated brochure on Resources North project work
3. Resources North website updated and maintained;
4. Annual Report for 2008-09 completed and approved;
5. Stock power-point presentation and speech materials describing Resources North and current activities and services prepared for Directors use;
6. Climate Change project extension support.
7. Project information sheets prepared and posted on our website
8. Increased awareness about Resources North's services amongst target audiences

Project Partners

N/A

9. COORDINATE THE JUVENILE WHITE STURGEON RELEASE EVENT

Program Area: **Communication and Extension**

Project Leader: **Nechako White Sturgeon Recovery Initiative**

Project #: **4003**

New Project? **No**

Year Initiated: **2006**

Purpose:

To assist with the preparation for a large-scale public education and awareness program about the recovery of the Nechako white sturgeon through the release of hatchery-reared juvenile sturgeon.

Rationale or Need:

The Recovery Initiative has indicated that the recovery of this species requires hatchery-reared juveniles to be input back into the system. Raising public awareness through participation in this event has proven to be highly effective.

Description:

Resources North has once again committed funds towards supporting the next Save Our Sturgeon juvenile release event. This project is led by the Nechako White Sturgeon Recovery Initiative, along with partnership from the Ministry of Environment, Carrier Sekani Tribal Council, Department of Fisheries and Oceans, Rio Tinto Alcan, and BC Freshwater Fisheries Society. This major school event involves 1000 elementary school students releasing juvenile sturgeon, raised in a local aquaculture facility, back into the Nechako River in Vanderhoof, BC. Three stations are available for students to visit: a) an information station with posters and displays at which a presentation about the plight of the sturgeon is delivered; b) a tour of the hatchery facility with talks about the procedures used; and c) the release station.

Further information about the Recovery Initiative and past events is available at <http://www.nechakowhitesturgeon.org/sturgeon/>

Project Objectives:

1. To increase awareness of the threatened status of the Nechako White Sturgeon;
2. To improve the opportunity for species recovery.

Budget

Funding Source	Cash	In-Kind	Total
CFS/FCP	\$2,000		\$2,000
Carrier Sekani Tribal Council		\$5,000	\$5,000
Ministry of Environment		\$3,000	\$3,000
Department of Fisheries and Oceans		\$5,000	\$5,000
TOTAL	\$2,000	\$13,000	\$15,000

Planned Outputs and Outcomes:

- Completion of the release event
- Distribution of promotional materials at the event
- Increased awareness amongst local youth about the status of sturgeon

Project Partners

Nechako White Sturgeon Recovery Initiative
 Carrier Sekani Tribal Council
 Nechako Watershed Council
 Rio Tinto Alcan

Ministry of Environment
 Department of Fisheries and Oceans
 District of Vanderhoof

10. NATURAL RESOURCE MANAGEMENT CAREER AWARENESS CAMPS

Program Area: **Communication and Extension**

Project Leader: **Council of Forest Industries (COFI)**

Project #: **4004**

New Project? **Yes**

Year Initiated: **2009**

Purpose:

1. To create an awareness of professional and technology careers in natural resource management
2. To encourage high school students to enroll in post-secondary natural resource management programs

Rationale or Need: The downturn in the forest industry over the past few years coupled with the impacts of the mountain pine beetle epidemic have negatively impacted young people in several ways: (a) they view the forest sector as a 'sunset' sector with few or no future job opportunities; (b) they are not enrolling in post-secondary natural resource management programs.

While the forest industry is indeed facing unprecedented economic conditions resulting in mill closures, shutdowns, and reduced work schedules, the forest sector (industry and government) is also facing a potential human resources crisis due to the large numbers of forest professionals nearing retirement. Fewer graduates from post-secondary natural resource management programs means that there will be fewer forest professionals available to fill the many jobs forecast to be available in the forest sector.

This project has successfully been implemented over several years with increased demand to continue the program, but decreased funds available to conduct the work. Resources North's partnership with COFI to conduct these camps will build on years of investment.

Description: Natural Resource Management Career Awareness Camps (NRM)

Five Natural Resource Management Camps will be held across north-central BC: Quesnel, Bulkley Valley, Nechako Valley, Prince George and Peace Regions in partnership with school districts, COFI member companies, Ministry of Forests and Range, various forest sector consultants and area post-secondary institutions and supported by forest communities. Each two-day camp will be open to up to 40 grade 10-12 high school students and their teachers. The camps consist of 8-10 two-hour, hands-on, career specific workshops hosted by various resource management professionals. Workshop topics will include: wildlife management, fish management, soils and ecology, silviculture, road and bridge engineering, harvesting, timber cruising, fire suppression, forest health, archaeology, integrated resource management planning, and careers in resource management. Each workshop will provide: (a) an overview of various careers within the scope of the workshop theme, (b) a hands-on working session using tools and techniques specific to the career area; (c) an overview of current and potential career

opportunities in resource management; (d) an overview of various post-secondary schools offering degree and diploma programs, (e) a personal account of the challenges and opportunities facing professionals; and (f) personal recommendations on career options. While this is the first year Resources North has provided financial support of the camps, the program has been operational for 3.5 years.

Project Objectives: The project objectives are to:

1. increase the awareness and understanding of natural resource management and IRM planning so that young people are better informed of how natural resources are managed in British Columbia;
2. increase the awareness and understanding of careers in resource management allowing students to make informed career decisions; and
3. provide information on post secondary natural resource management programs including entry requirements, course content and program costs.

Budget

Funding Source	Cash	In-Kind	Total
CFS/FCP	\$10,000		\$10,000
COFI		\$20,000	\$15,000
Forest Companies		\$10,000	\$10,000
MoFR		\$3,000	\$3,000
Consulting Companies		\$3,000	\$3,000
CNC,UNBC,NWCC		\$3,000	\$8000
TOTAL	\$10,000	\$39,000	\$49,000

Planned Outputs and Outcomes:

- Five 2-day NRM camps with a report compiling results and student/teacher surveys.
- A greater understanding of the complexities of natural resource management and integrated resource management,
- Increased student awareness and understanding of the various careers involved in resource management;
- Greater knowledge of various natural resource management post secondary programs offered at UNBC and CNC;
- Increased potential for local recruitment into the resource management field.

Supporting Project Partners

School District No. 91 (Nechako Lakes)	Houston Christian School
School District No. 82 (Coast Mountains)	Bulkley Valley Christian School
School District No. 60 (Peace River North)	Ebenezer Christian Reformed School
School District No. 59 (Peace River South)	Ron Pettigrew School
School District No 57 (Prince George)	Aleza Lake Research Forest
School District No. 54 (Bulkley Valley)	John Prince Research Forest

Program Delivery

11. ADMINISTRATION, MANAGEMENT, AND REPORTING

Program Area: **Program Delivery**

Project Leader: **Resources North Association**

Project #: **5000**

New Project? **No, Ongoing**

Year Initiated: **2009**

Purpose:

1. To ensure all the necessary management, tracking and reporting tools and procedures are in place and effectively working in order that Resources North is well managed and accountable to its funding partners and members.
2. To ensure that the partnerships, supporters, influencers, and project participants necessary to conduct our work have relevant and appropriate opportunities for involvement and participation and there continues to be mutual benefits, broad support and buy-in and enthusiasm for our work.

Description:

1. Various guiding and reporting documents are needed to support review and approval processes for our proposed work as well as to ensure that we report out on our deliverables.
2. Financial policies and procedures and reporting are very important to ensure financial accountability to our various funders, our Board, our partners and our members.

Budget

Funding Source	Cash	In-Kind	Total
CFS/FCP	\$135,475 ⁴		\$135,475
CFS/FCP	\$103,200 ⁵		\$103,200
Executive Committee		\$20,000	\$20,000
Resources North	\$10,000		\$10,000
TOTAL	\$248,675	\$20,000	\$268.675

⁴ Approximately 40% of these salary costs are allocated to administrative duties, with the remaining 60% committed to program delivery, project support and networking and partnership building.

⁵ Includes costs for overhead, travel, legal costs, audits and capital.

Planned Outputs and Outcomes:

- Annual and phase (5-year) financial and project tracking and monitoring systems compatible with CFS’ systems, ensuring funding, in-kind contributions and work plan deliverables are accounted for.
- Annual Work Plan (2010/11) approved by Board and CFS.
- Independent, third-party audit report (Deloitte).
- All required Board approved policies and procedures in place.
- Participation in Canadian Model Forest Network Strategic Initiatives, meetings and activities.

Project Partners

Canadian Model Forest Network

12. GOVERNANCE AND BOARD OF DIRECTORS OPERATIONS

Program Area: **Program Delivery**

Project Leader: **Resources North Association**

Project #: **5001** New Project? **No, Ongoing** Year Initiated: **2009**

Purpose: Continued monitoring and assessment of the broader strategic goals and objectives of the organization are required, and regular Board meetings and Executive Committee meetings will be held as required.

Description:

Provide operational staff with strategic direction on the association’s focus and activities.

Budget

Funding Source	Cash	In-Kind	Total
CFS/FCP	\$20,000		\$20,000
Board of Directors		\$20,000	\$20,000
TOTAL	\$20,000	\$20,000	\$40,000

Planned Outputs and Outcomes:

1. Monthly Executive Committee meetings;
2. Quarterly Board meetings;
3. Meeting Minutes recorded;
4. Board review and discussion of the Business Plan that guides the annual work plans;
5. Participation on the Board of the Canadian Model Forest Network

Project Partners

Members of Resources North Canadian Forest Service
Canadian Model Forest Network

Finances

Annual Expenditure Budget Plan for CFS Funds for 2009/10

Table 2. Workplan Budget Summary

Program Area	Project Description	CFS-FCP	Partner / Other		Total
		Funds	Cash	In-Kind	
Community Engagement	Community & Industry IRM Forum	\$8,000	\$3,000	\$5,000	\$16,000
	Use of Agroforestry to Offset Mountain Pine Beetle Impacts	\$7,800	\$47,400	\$12,300	\$67,500
Expanding Knowledge Base	Feasibility of Biomass Energy for Economic Diversification	\$12,250	\$123,000	\$14,900	\$150,150
	Community Impacts and Adaptation to Climate Change.	\$20,000	\$15,000	\$10,000	\$45,000
	Assessing the State-of-the-Knowledge on Integrated Resource Management	\$10,000	\$5,000	\$5,000	\$20,000
Operational Integration	Caribou / Wildlife Research Extension	\$1,500	\$203,333	-	\$204,833
	Addressing Cumulative Impacts Management and Overlapping Tenures	\$10,000	\$5,000	\$2,500	\$17,500
Communications and Extension	Communications/Promotion	\$8,000	-	-	\$8,000
	Juvenile Sturgeon Release Event	\$2,000	-	\$13,000	\$15,000
	NRM Career Awareness Youth Camp	\$10,000	-	\$39,000	\$49,000
SUBTOTAL		\$89,550	\$401,733	\$101,700	\$599,350
Program Delivery	Staff Salaries/Benefits (50% to administration; 50% to projects)	\$135,470	-	\$20,000	\$155,470
	Office expenses, overhead, travel	\$63,980	-	-	\$63,980
	Audits & Reporting & Legal Fees	\$16,000	-	-	\$16,000
	Governance and Board Operations	\$20,000	-	\$20,000	\$40,000
	SUBTOTAL	\$235,450	-	\$40,000	\$275,450
TOTAL		\$325,000	\$401,733	\$141,700	\$868,433

Table 3. Quarterly Cash Flow Forecast for 2009/10

Quarterly Cash Requirements from NRCan-CFS					
	Q1 (Apr – Jun)	Q2 (Jul -Sep)	Q3 (Oct – Dec)	Q4 (Jan – Mar)	Total
Administration	\$58,862.50	\$58,862.50	\$58,862.50	\$58,862.50	\$235,450
Activities/projects	\$22,387.50	\$22,387.50	\$22,387.50	\$22,387.50	\$89,550
Total	\$81,250	\$81,250	\$81,250	\$81,250	\$325,000

Table 4 shows the projected 5-year budget by program area showing how NRCan-CFS funds will be spent over the lifetime of the contribution agreement.

Table 4. Five-year budget forecast and summary of Forest Community Program funds.

Program Area	2007/08 (reconciled)	2008/09 (projected)	2009/10 (projected)	2010/11 (projected)	2011/12 (projected)	Total
1. Community Engagement	5,000	0	28,050	20,000	30,000	80,830
2. Expanding the Knowledge Base	4,152	46,000	30,000	30,000	40,000	108,752
3. Operational Integration	2,261	17,476	11,500	40,000	60,000	131,237
4. Communications Outreach and Extension	20,799	26,240	20,000	35,000	45,000	147,039
5. Program Delivery	149,604	228,492	235,450	200,000	150,000	965,766
Total expenditure of NRCan-CFS funds	\$181,816	\$318,184	\$325,000	\$325,000	\$325,000	\$1,475,000

Staff

All staff members are located at our office, 305 - 1488 Fourth Ave., Prince George, BC, V2L 4Y2.

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Ph: (250) 612-5844; Fax: (250) 612-5848; kathi@resourcesnorth.org

Diana Tecson, Executive Assistant / Events Coordinator

Ph: (250) 612-5840; Fax: (250) 612-5848; diana@resourcesnorth.org

Pat Archer, Controller & Treasurer

Ph: (250) 612-5845; Fax: (250) 612-5848; pat@resourcesnorth.org

Dave Leman, Northern Climate Change Network Coordinator

Ph: (250) 612-5842; Fax: (250) 612-5848; nccn@resourcesnorth.org

Partners

Board Members as of December 4, 2008

Albert Koehler Prince George Chamber of Commerce
Bill McGill..... University of Northern BC
Brad Herald..... Canadian Association of Petroleum Producers
C.D. ('Lyn) Anglin Geoscience BC
Dominic Frederick Lheidli T'enneh First Nations
Chris Hollstedt FORREX Forum for Research and Extension in Natural Resources
Dan Jepsen..... C3 Alliance Corporation
Debora Munoz..... City of Prince George
Don Cadden..... Ministry of Environment
Doug Routledge Council of Forest Industries
Gavin Dirom Association for Mineral Exploration BC
John DeGrace Ministry of Energy, Mines and Petroleum Resources
Lynda Currie..... Ministry of Forests and Range
Peter Larose..... Council of Tourism Associations BC
Ross Peck Independent Consultant
Stephanie Killam District of Mackenzie

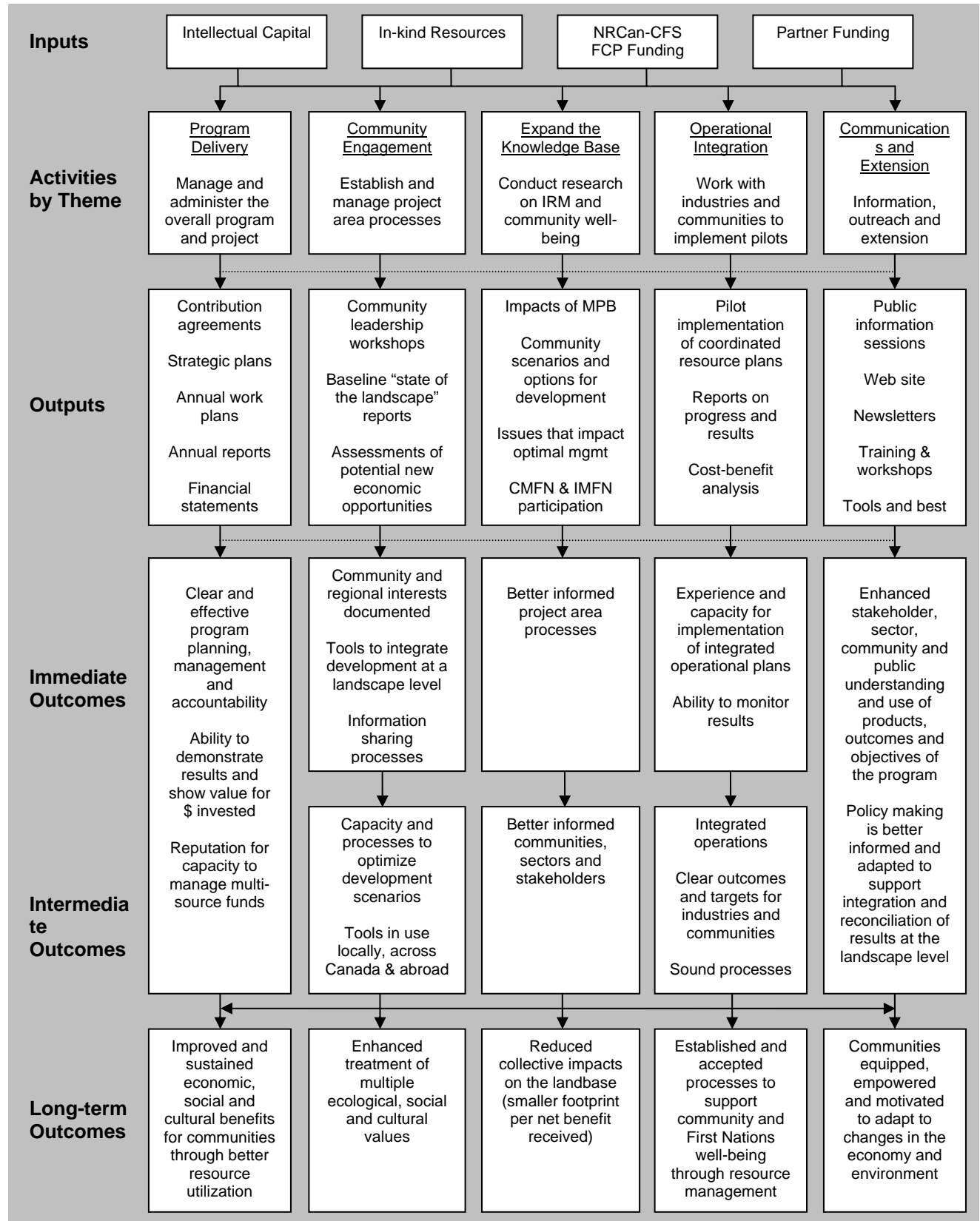
Research Associates

Dale Seip..... Ministry of Forests and Range
Marten Geertsema..... Ministry of Forests and Range
Scott McNay..... Wildlife Infometrics Inc.
Stephane Dube Ministry of Forests and Range
John Rex Ministry of Forests and Range

Members

Alberta Research Council
Association for Mineral Exploration of BC
BC Ministry of Agriculture & Lands,
Integrated Land Management Bureau
BC Ministry of Environment
BC Ministry of Forests and Range
BC Wildlife Federation
Canadian Association of Petroleum
Producers
Canadian Institute of Forestry – Cariboo
Section
College of New Caledonia
City of Prince George
Communications, Energy & Paperworkers
Union
Council of Forest Industries
Council of Tourism Associations
Department of Fisheries and Oceans Canada
District of Fort St. James
District of Mackenzie
District of Vanderhoof
Environment Canada
ESRI Canada Ltd.
Federation of BC Naturalists
Federation of BC Woodlot Associations
FERIC
FORED BC Society
FORREX
Forintek Canada Corp.
Geoscience BC
Huble Homestead/Giscome Portage Heritage
Society
Industrial Forestry Service
Integrated Silviculture Services
International Woodworkers of America –
Canada (IWA)
Jim Pattison Broadcast Group
Natural Resources Canada, Canadian Forest
Service
L&M Lumber Ltd.
Lheidli T’enneh First Nations
Outdoor Recreation Council of BC
Paprican
Prince George Railway & Forestry Museum
R. Keith Jones and Associates
Regional District of Fraser-Fort George
Saik’uz First Nation
School District #57
Spruce City Wildlife Association
Strider Adventures
Sustainability Partners
Tesera Systems Inc.
The Exploration Place
Timberline Forest Inventory Consultants
Triangle Resources Inc.
Tourism Prince George
University of British Columbia
University of Northern British Columbia
Venture Forestry Consulting Inc.
Village of Fraser Lake
West Fraser Mills Ltd.
Whiskey Jack Forest Sciences
Wildlife Infometrics Inc.
Wildlife, Resource & Land Use Consultant
Winton Global

Appendix A – FCP Strategic Plan Logic Model



Appendix B – Project Descriptions for Back-up Work

A number of additional projects were considered by Resources North and our partners as potential work for the upcoming fiscal year. Given that there are some projects in our workplan that are pending the outcome of external funding proposals, we did not want to lose sight of the potential project work described below. Once the status of external funds is announced we will be in a position to proceed as planned or conduct one or more of these back-up projects. The project outcomes and outputs are summarized in Table 5 and their priority rankings and budget details are presented in Table 6.

Table 5. Summary of back-up project outcomes and outputs.

Program Area: Community Engagement		
Intermediate Outcomes⁶: Capacity and processes to optimize development scenarios		
Immediate Outcomes⁷:	Projects	Expected Outputs
Community and regional interests documented	13. (#1002) First Nations community engagement in project work.	<ul style="list-style-type: none"> • <u>Report</u> detailing the results of collaboratively designed First Nations dialogue process • <u>Extension of report findings</u> to Provincial partner agencies • <u>A co-designed engagement model is established</u>
Tools and processes to integrate development at a landscape level		
Information sharing processes	14. (#1003) Community and First Nations advisory and technical teams supporting project work	<ul style="list-style-type: none"> • Establishment of <u>advisory and technical teams</u>, with Board approved terms of references.
Program Area: Expanding the Knowledge Base		
Intermediate Outcomes: Better informed communities, sectors and stakeholders		
Immediate Outcomes:	Projects	Expected Outputs
Better informed project area processes	15. (#2003) IRM scenario planning and development	<ul style="list-style-type: none"> • <u>A technical advisory team</u> will be established and a Terms of Reference documented • Board linkages with the advisory team would be designed and established • Completion of a <u>scoping process</u> to ensure our scenario work is compatible and not duplicative of other work • Initiation of the foundational <u>database</u> to model baseline scenarios

⁶ Intermediate Outcomes are linked to and will be realized through the achievement of the immediate (short-term) outcomes described. These Intermediate Outcomes are expected to become realized by year 3.

⁷ These Outcomes are taken directly from the Performance Measuring Logic Model from Resources North FCP Strategic Plan submitted to CFS September 21, 2007.

		<ul style="list-style-type: none"> • Delineation of annual <u>IRM projects</u> that would run the scenarios to assist in making integrated or collaborative management decisions
Program Area: Operational Integration		
Intermediate Outcomes: Integrated operations; Clear outcomes and targets for industries and communities; sound processes.		
Immediate Outcomes:	Projects	Expected Outputs
Experience and capacity for implementation of integrated operational plans	16. (#3008) PlanMapper – phase 2 needs assessment	<ul style="list-style-type: none"> • <u>Report</u> documenting the outcomes of the needs assessment and <u>presentation</u> to the Resources North Board of Directors
Ability to monitor results	17. (#3021) Community reforestation to address climate change impacts	<ul style="list-style-type: none"> • Completion of <u>reforestation of 10 urban sites</u> within communities affected by the mountain pine beetle; • <u>Determination of carbon offsets</u> resulting from the 10 sites that will be registered as offsets for the community.
Program Area: Communications and Extension		
Intermediate Outcomes: Policy making is better informed and adapted to support integration and reconciliation of results at the landscape level.		
Immediate Outcomes:	Projects	Expected Outputs
Enhanced stakeholder, sector, community, and public understanding and use of products, outcomes and objectives of the program.	18. (#4005) Compile a mineral sector speakers bureau	<ul style="list-style-type: none"> • <u>Compilation</u> of personnel willing to present mineral sector information; • <u>Maintenance</u> of speakers list, and annual <u>distribution</u> to all client groups.

Table 6. Summary of back-up projects by program area.

Program Area	Rank	Project Description	CFS	Partner / Other		Total
			Funds	Cash	In-Kind	
Community Engagement	Med	First Nations and community engagement	\$7,500	\$5,000	-	\$12,500
	Med	Community and First Nations advisory and technical teams	\$5,000	\$5,000	\$10,000	\$20,000
Expanding the Knowledge Base	High	IRM Scenario Planning	\$10,000	-	-	\$10,000
Operational Integration	Low	PlanMapper Needs Assessment	\$5,000	-	\$2,000	\$7,000
	High	Community Reforestation to Address Climate Change	\$10,000	\$65,000	\$13,000	\$88,000
Communications and Extension	Med	Compiling Mineral Sector Speakers Bureau	\$8,000	\$8,000	\$8,000	\$24,000
TOTAL			\$45,500	\$83,000	\$33,000	\$743,350

Back-Up Project Descriptions

A. FIRST NATIONS COMMUNITIES ENGAGEMENT IN PROJECT WORK

Program Area: **Community Engagement**

Project Leader: **Resources North Association**

Project #: **1002**

New Project? **Yes**

Year Initiated: **2009**

Purpose: To create and facilitate a process which engages aboriginal community leaders to examine IRM-related and community sustainability challenges and opportunities, and related project interests. First Nations community engagement requires process design and delivery that takes into account their needs and approaches. This process is a much needed step towards building a working relationship that fosters practical solutions.

Description:

A lead facilitator with strong working experience in First Nations communities and knowledge of resources management will design and initiate a dialogue process with First Nations in our project areas. The facilitator will ensure that:

- First Nations participants understand the role of Resources North, what our project interests are and what issues we cannot become involved in (e.g. treaty-related, land ownership, tenuring issues);
- First Nations' comments and discussions are transcribed and relayed in a report;
- Practical recommendations for a longer-term (1-2 year) process design for First Nations participation in projects is reported, and;

- Opportunities and interests for IRM-related and community sustainability projects of interest to First Nations are reported.

Opportunities for bringing Resources North and partnership representatives into the dialogue process at certain stages, where productive, would be an asset.

Budget

Funding Source	Cash	In-Kind	Total
CFS/FCP	\$7,500		\$7,500
Province of BC	\$5,000		\$5,000
TOTAL	\$12,500		\$12,500

Planned Outputs and Outcomes:

1. A report describing a collaboratively designed First Nations dialogue process, recommendations, considerations, options and logistical considerations.
2. Extending report findings to Provincial partner agencies.
3. A co-designed First Nations community engagement model is established for FCP project work.

Other Project Partners

- Anticipate working with McLeod Lake, Lheidli T'enneh, and West Moberly First Nations. Others will be contacted to participate.
- FORREX Forum for Research and Extension in Natural Resources
- Province of BC
- District of Mackenzie
- Vanderhoof
- Fort St James
- West Moberly
- Chetwynd
- AMEBC
- Geoscience BC
- FN Forestry Council

B. COMMUNITY AND FIRST NATIONS ADVISORY AND TECHNICAL TEAMS SUPPORTING PROJECT WORK

Program Area: **Community Engagement**

Project Leader: **Resources North Association**

Project #: **1003**

New Project? **Yes**

Year Initiated: **2009**

Purpose: To undertake the consultative and draft terms of reference work in order to establish community and First Nations advisory and technical teams that will be working with Board committee members and staff in the oversight and guidance of key project work.

Description: The need for inclusion of community based and First Nations experience, knowledge and skills in guiding project work is a key component for successful delivery and implementation of projects and their results. Additionally, it will be important to bring in technical expertise as needed and to include these professionals and technical practitioners into the advisory committee roles in order to mesh the information and data and knowledge from various sources.

This is an important step and significant work is required to ensure the needed sectors or interests are covered off, that expectations around participation are addressed, that capacity needs are assessed, that a “team” approach is developed and that clear terms of references are defined and approved. There will be a need to address how the Board is linked into these project advisory and technical teams.

Budget

Funding Source	Cash	In-Kind	Total
CFS/FCP	\$5,000		\$5,000
Province of BC	\$5,000		\$5,000
Participants		\$10,000	\$10,000
TOTAL	\$10,000		\$20,000

Planned Outputs and Outcomes:

1. Establishment of at least 2 project advisory and technical teams with Board approved Terms of Reference.
2. Through the team establishment, confirmed broad engagement and support for project work.

Other Project Partners

First Nations MPB Initiative	McLeod Lake First Nations
District of Mackenzie	Vanderhoof
Fort St James	Chetwynd
West Moberly First Nations	

C. IRM SCENARIO PLANNING AND DEVELOPMENT

Program Area: **Expanding the Knowledge Base**

Project Leader: **Resources North Association**

Project Number: **2003**

New Project? **Yes**

Year Initiated: **2009**

Purpose: To build a qualified team of experts to develop multi-faceted strategic level land use scenarios to examine opportunities for integrated resource management (IRM). The scenarios would be analyzed and evaluated for socio-economic patterns, linkages, causal factors and benefits and costs related to different influences of resources management and development on

northern communities.

Rational or Need: Scenario planning allows for the testing of different management assumptions and predicting of possible outcomes before having to choose and implement a specific management decision.

Description:

Potential scenario work could include:

1. Examining scenarios involving overlapping land uses and how better integration can lead to a better optimization of resource values and improved community benefits;
2. Examining impacts from climate change;
3. Testing (pilot) sector strategies developed by communities and groups such as OBAC;
4. Examining First Nations community amenities (identified needs and interests of the landscape that the community relies on) in different land management scenarios;
5. Developing multiple accounts analysis at the landscape level (consumptive and non-consumptive resource use) for the leading non-pine areas (post-MPB impact);
6. Examining and testing relationships between community amenities (socio-economic well being of citizens) and various natural resource use scenarios;
7. Examining various economic diversification models (sector growth strategies) with increase pressure on the land and resources (land budget), and;
8. Assessing community vulnerability models against various future land use scenarios.

Project Objectives:

To test different management assumptions and make predictions about the possible outcomes before having to choose and implement a specific decision.

Budget

Funding Source	Cash	In-Kind	Total
CFS/FCP	\$10,000		\$10,000
TOTAL	\$10,000		\$10,000

Planned Outputs and Outcomes:

- A technical advisory team will be developed and a Terms of Reference documented
- Board linkages with an advisory team or project committee would be established
- Scoping process will be completed to ensure our scenario work is compatible and not duplicative of other scenario work being done
- Initiation of the foundational database to model baseline scenarios
- Delineation of annual IRM projects to run scenarios that test assumptions, gather specific data or expertise in order to improve predictions, to develop models, to test certain management strategies or land uses, and to evaluate and understand the outputs.
- Provide communities, provincial regulatory and management agencies, and industry sectors with information to assist in making integrated or collaborative management decisions to take advantage of overlapping opportunities through integrated resource management.

Other Project Partners

N/A

D. PLANMAPPER – PHASE 2 NEEDS ASSESSMENT

Program Area: **Operational Integration**

Project Leader: **Resources North Association**

Project #: **3008**

New Project? **No**

Year Initiated: **2006**

Purpose: PlanMapper is an award winning, on-line application that allows users to search a database of land use planning information and tailor their search to their specific needs. PlanMapper has been built using open-source software and relies on the F.I.S.T. internet mapping framework (IMF) developed by UNBC. However, in order for PlanMapper to be fully functional, technical work must be completed to make the upgrade to new operating systems.

Description:

A needs assessment will be conducted to determine the continued demand for this product. The PlanMapper project is still receiving positive critical responses and encouragements from various organizations and planning parties (i.e. the mining sector, First Nations, UNBC planners, Valley Visions planning group, all in BC). The business case for the PlanMapper tool is still recognized and supported, but a formal needs-assessment will be conducted to determine the continued demand for this product and potential for supporting partners or funding.

Budget

Funding Source	Cash	In-Kind	Total
CFS/FCP	\$5,000		\$5,000
UNBC		\$2,000	\$2,000
TOTAL	\$5,000	\$2,000	\$7,000

Planned Outputs:

1. Report documenting the outcomes of the needs assessment and presentation to the Resources North Board of Directors

Other Project Partners

Integrated Lands Management Bureau, Ministry of Agriculture & Lands.

UNBC

Geoconnections Canada

Geoscience BC

Muskwa Kechika Management Area Advisory Board

E. COMMUNITY REFORESTATION TO ADDRESS CLIMATE CHANGE IMPACTS

Program Area: **Operational Integration**

Project Leader: **Ministry of Environment**

Project #: **3021**

New Project? **Yes**

Year Initiated: **2009**

Purpose: To establish forests on community-owned or controlled lands to restore or provide environmental services and aesthetics, and to generate carbon credits.

Rational or Need: Communities that have lost significant amounts of forested urban landscapes due to the impacts of the mountain pine beetle (MPB) would benefit from establishing new forested sites to provide environmental services such as clean water, cooling and shade to schools and neighbourhoods, urban wildlife habitat, and pleasing aesthetics and recreational opportunities around the community. A net sequestering of atmospheric carbon achieved through the project could be used as a carbon offset to assist local government meeting carbon neutrality targets.

Description:

The first phase of this project is to undertake an “inventory” of lands that would be eligible and suitable for afforestation or reforestation. A key criterion for eligibility is lands owned or directly controlled by local governments. The initial focus would be on lands where MPB has killed the previous tree cover and “natural” reforestation may be questionable (eg. no seed bank, low probability of seed dispersal into the site, biotic or human factors limiting seedling success). Lands affected could include city or municipal or regional parks; golf courses; green spaces and walkways; and school grounds. Eligibility will vary with the current and historic use of the land and the type of ownership.

The second phase is prescription development to plan for a viable and desirable future forest condition. The prescription would attempt to anticipate conditions in the future when climate change may affect growing conditions. It would likely use diversity as a hedge on this uncertainty and to try to avoid the forest (ecosystem) simplification which contributed to the MPB epidemic. While the focus would be on establishing a forest community to remove atmospheric carbon, prescriptions would be tailored to achieve a broader suite of community values.

The third phase is treatment (mostly planting) of 10 sites. A range of trees (conifer and deciduous) and shrubs would be planted, topped with mulch or mulch mats, and protected by tree guards. These may be planting of native whips or wattles, nursery conifer seedlings, or seeding. Planting success will be monitored to confirm plant survival and adjust prescriptions.

Project Objectives:

- Anticipate and plan for the future when climate change may affect growing conditions;
- Establish a forest community to remove atmospheric carbon, and restore or provide;
- Generate carbon offset to assist achieving carbon neutrality environmental services and

aesthetics to communities.

Budget

Funding Source	Cash	In-Kind	Total
CFS/FCP	\$10,000		\$10,000
Trees for Tomorrow & Evergreen Society	\$41,000		\$41,000
BC Ministry of Environment	\$7,000	\$5,000	\$12,000
Municipal Govt	\$7,000	\$5,000	\$12,000
Regional District Govt	\$7,000		\$7,000
TOTAL	\$72,000	\$13,000	\$82,000

Planned Outputs and Outcomes:

- Completion of afforestation or reforestation of 10 urban sites within communities affected by the mountain pine beetle;
- Determination of carbon offsets resulting from the 10 sites that will be registered as offsets for the community.
- The environmental benefits to the community include increased shading/cooling, aesthetics or recreation opportunities in a green belt, and ecological goods and services such as clear cool water in a stream, clean air, and habitat;
- Increased sequestering of atmospheric carbon;
- Increased opportunity to benefit from carbon offsets to achieve carbon neutrality.

Other Supporting Project Partners

Ministry of Forests and Range

F. COMPILER MINERAL SECTOR SPEAKERS BUREAU

Program Area: **Communication and Extension**

Project Leader: **Ministry of Energy, Mines and Petroleum Resources (MEMPR)**

Project #: **4005**

New Project? **Yes**

Year Initiated: **2009**

Purpose:

1. To compile and maintain a “speakers bureau” of knowledgeable presenters on the mineral sector from both the public and private arenas willing to deliver presentations in their areas of expertise.
2. To advertise the availability of these presenters to client groups, and to act as a first point of contact.

Rationale or Need:

From a community standpoint, the knowledge of where to turn for available presenters on the mineral sector is partial at best. While there are multiple companies and associations involved

in the industry, this service is not being provided on a collaborative basis. It is common for universities, for example, to prepare public speakers lists from among their own faculty and staff, but it would be innovative to extend this across the public and private sectors in the North. While speakers lists relating specifically to the mineral sector have been compiled in other areas of Canada, this has not been done in Northern British Columbia.

Description:

The compilation of a speakers bureau would be conducted by a co-op student, or other junior employee, over a 4-month term. The student would be housed in offices at Resources North or in the Prince George Regional Office of MEMPR depending upon space availability, and day-to-day supervision would be by the Regional Geologist, John DeGrace, who will also see that the student is able to learn about the industry and meet prospective speakers through field travel as appropriate. Sources for the list will include private companies currently active near communities falling under Resources North’s purview, and associations or public bodies identified below under Other Partners. The list will include the names and positions of speakers, their locations and contact information, and areas of expertise. Upon project completion, the list will be maintained and advertised, and speakers assigned, by Resources North staff and volunteer Directors with minimal effort.

Project Objectives:

1. To increase awareness of and access to current information on persons in a position to offer presentations on the mineral sector in their area of expertise and geographic location;
2. To assemble, and act as a clearing-house for, information on these individuals and organizations.

Budget

Funding Source	Cash	In-Kind	Total
CFS FCP	\$8,000	\$2,000	\$10,000
Ministry of Energy, Mines & Petroleum Resources		\$8,000	\$8,000
Association for Mineral Exploration BC	\$4,000		\$4,000
Geoscience BC	\$4,000		\$4,000
TOTAL	\$16,000	\$10,000	\$26,000

Planned Outputs and Outcomes:

- Compilation of public bodies and companies currently active near northern BC communities, with contact information on personnel willing to present to community and other groups;
- Maintenance of speakers list, and annual distribution to all client groups;
- Enhanced public perception and knowledge of the mining and mineral exploration industries in the region falling under the purview of Resources North.

Other Project Partners

Association for Mineral Exploration BC;
Mining Association of BC;
Ministry of Energy, Mines and Petroleum Resources;
Geoscience BC;
Northern Interior Branch of CIM;
University of Northern BC;
College of New Caledonia;
Omineca Beetle Action Coalition;
Cariboo Gold Miners Association.