



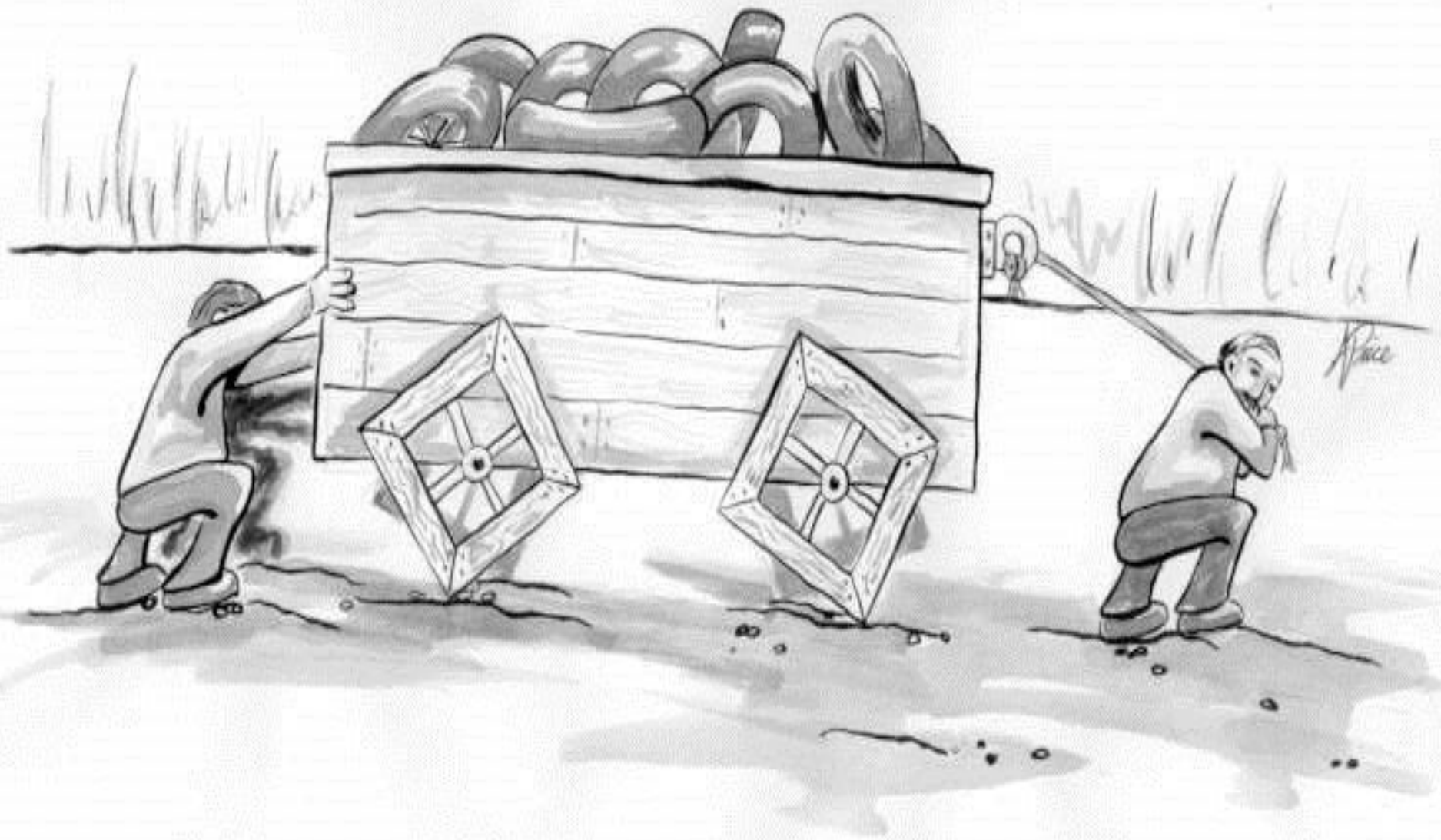
OUR NAME IS INNOVATION

# Aboriginal Forest Sector Technical Support Program

Building “Health” and Wealth With Wood

Dave McRae

- Peter Sigurdson









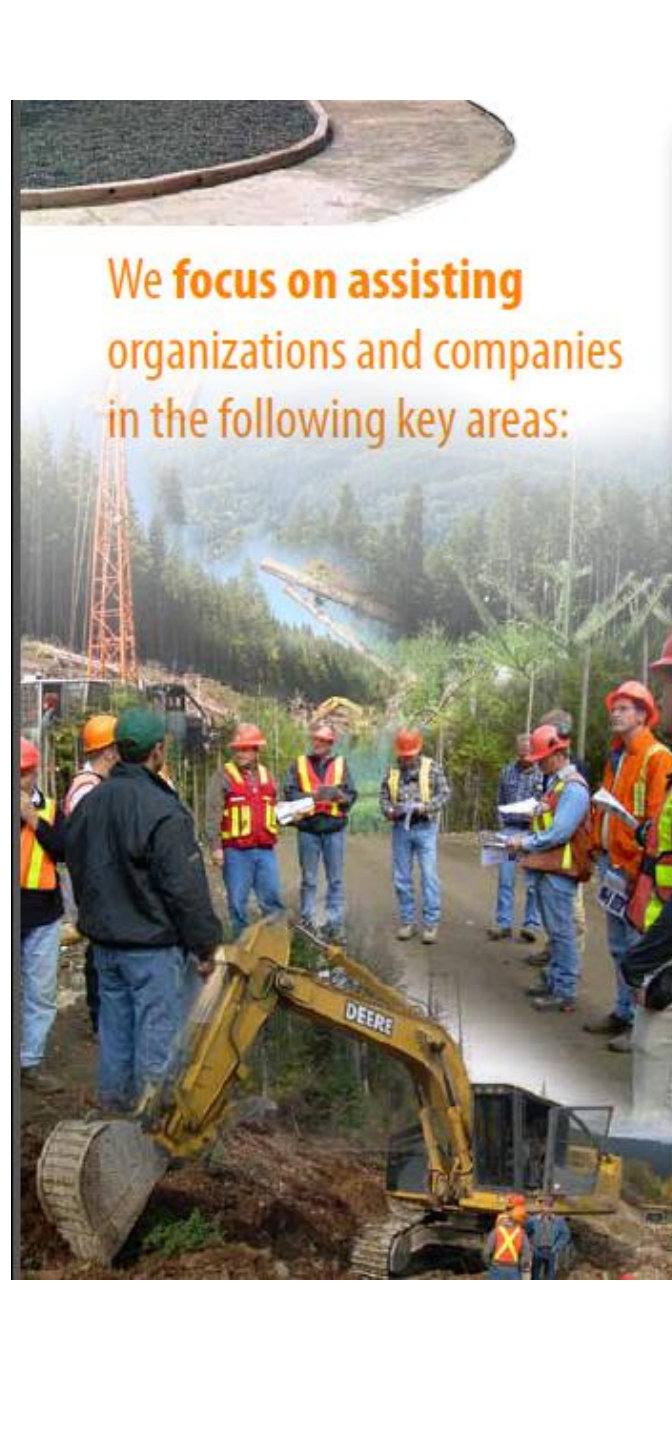
# Building Wealth with Wood



## Aboriginal

Forest Sector  
Technical Support  
Program

We help the aboriginal forest sector and its wood products businesses succeed by providing access to industry specialists and manufacturing solutions. We provide on-site assistance, workshops and seminars to help you and your employees develop new products, solve production problems, increase productivity, reduce costs and maximise the value of your forest resource.



## We focus on assisting organizations and companies in the following key areas:

### Start-up Technical Analyses

Studies to identify the issues that will impact the ability of aboriginal communities to establish and maintain viable forest products enterprises. This could include, but is not limited to, an analysis of capital and operating costs, labour requirements, potential markets and revenues, and the profile of the timber supply in terms of accessibility, quality, and volumes.

### Market Intelligence and Product Knowledge

We can help you access valuable market information so that you can focus your resources on your target market and maximize profit potential.

### Product and Standards Development Support

Technical expertise and background information for the development of new wood products and comprehensive building codes, industry standards and thermal performance guidelines for the construction of residential and community buildings in remote communities.

### Technical Literature and Bulletins

Technical literature and bulletins produced in a community-friendly format to enhance the technological development of the Aboriginal value-added wood products industry.

### Best Practice Guides

Guides that encourage the adoption of best industry standards and practices in harvesting, transportation, small-scale wood products manufacturing, as well as for various phases of log, timber frame and stick frame building construction.

### Technical Advisory Service

FPIInnovations' experts provide technical assistance to harvesting operations, operators of wood products manufacturing companies, and log, timber frame and stick frame building construction enterprises.

### Site Visit Program

FPIInnovations' Industry Advisors conduct an extensive site visit program to share technical knowledge at the ground level and help operators to overcome challenges in the production environment.

### Technical Assessment Program

FPIInnovations' staff conduct technical assessments to diagnose the source of harvesting and /or manufacturing problems, and will offer recommendations to operators based upon the results of this work.

### On-Site Harvesting and Transportation Expertise

FPIInnovations can help you apply up-to-date technologies and innovative practices to reduce your fibre production costs and improve the environmental performance of your forest operations, particularly in the areas of harvesting planning and systems, road construction and maintenance, transportation and emissions reduction, forest feedstocks, and silvicultural operations.



# Building Wealth with Wood

A close-up photograph of two hands holding two wooden planks, one in each hand, as if they are about to be joined together. Below the hands is a vertical stack of several more wooden planks, showing their natural grain and texture. The background is a dark, solid color, making the wood and hands stand out.

## Information Seminars

Education and information seminars target Aboriginal communities with access to fiber. These "Building Wealth with Wood" seminars are presented in an Aboriginal context that respects social, economic and cultural realities. The primary goal is to communicate the potential opportunities that exist.

## Workshops

At workshops, FPInnovations provides technical support for training and the transfer of skills relating to harvesting and wood products manufacturing, along with log, timber frame and stick frame building construction methods.

## Lean Manufacturing Implementation

Using methodologies already being implemented by FPInnovations within the existing value-added industry, experienced Industry Advisors will incorporate lean manufacturing practices with Aboriginal operations.

## Company-specific Technical Projects

FPInnovations experts are available to perform company-specific technical projects to improve the harvesting and manufacturing operations of Aboriginal communities.

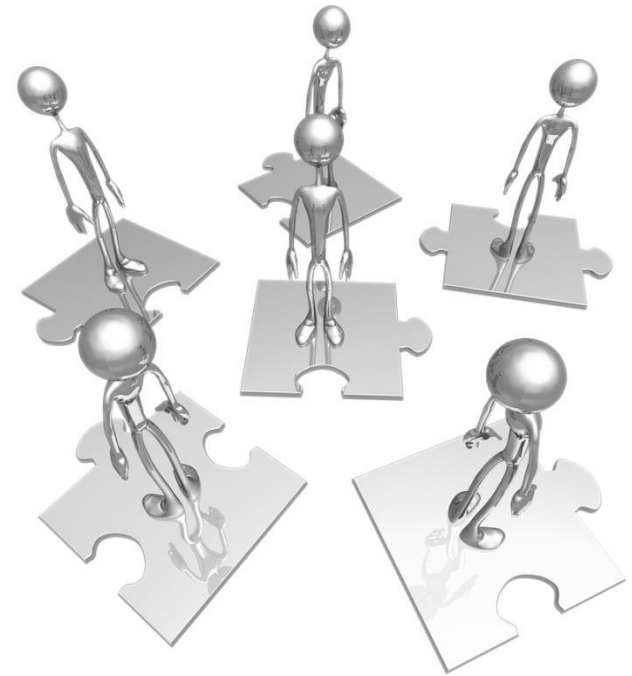


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# The Harvesting and Manufacturing Facility

- General Process...
- Site Requirements...
- Buildings...
- manufacturing Layout...
- Processing Equipment...
- Dry Kiln...
- Preliminary Cost Estimates...
- Improvements in operational efficiencies...
- Etc...etc...



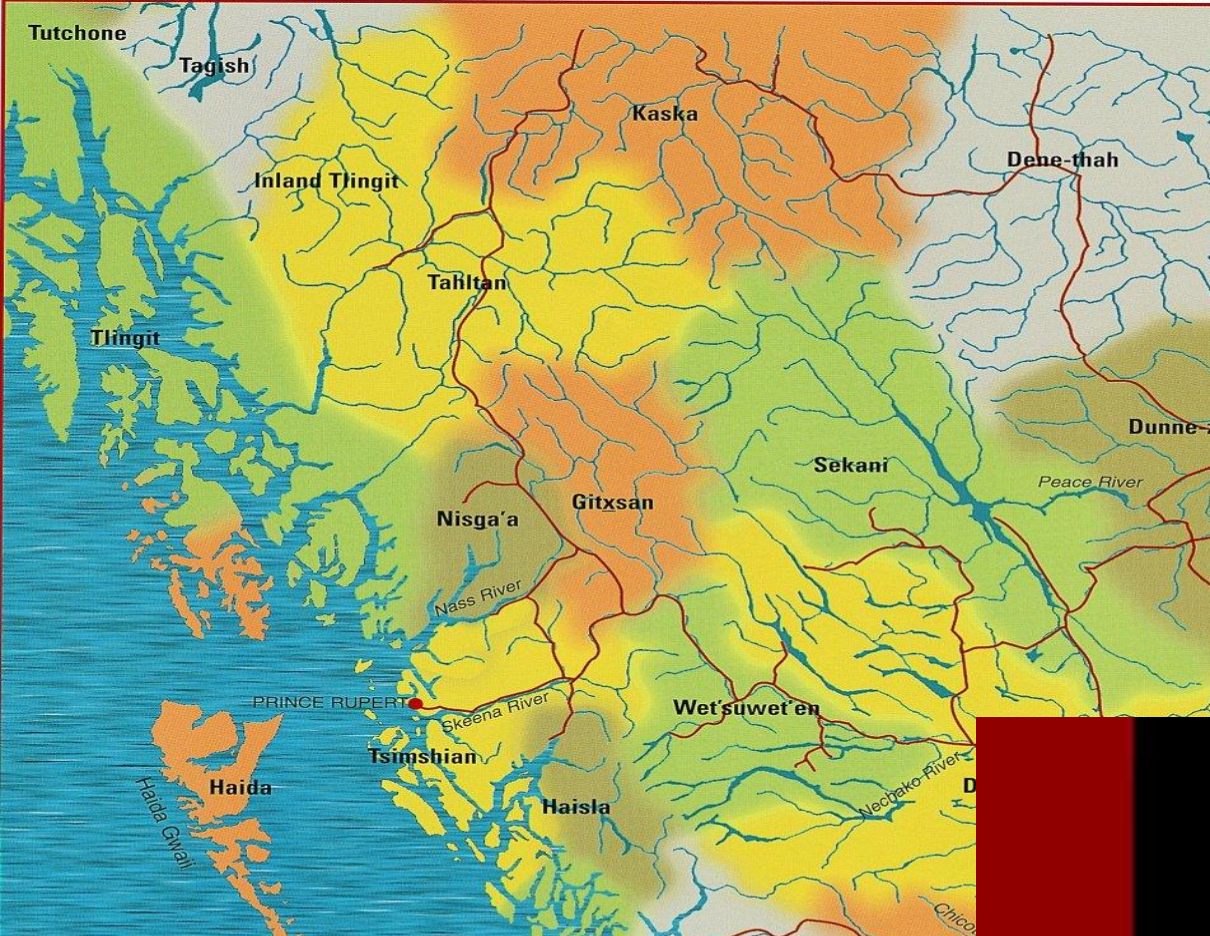
# FPIInnovations involvement this past year with BC FN communities....

- Westbank
- Nuxalk
- Skidegate
- Moricetown Band
- Klahoose

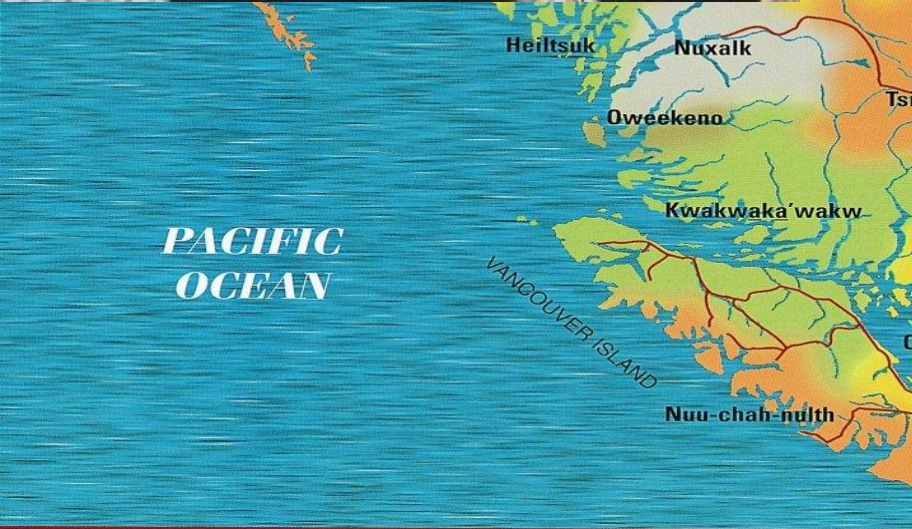
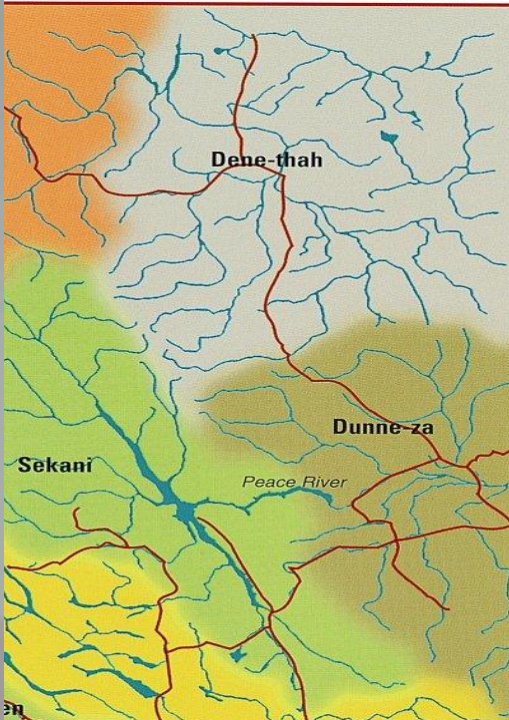


- Over 50 First Nation communities in BC through the BC First Nations Forest Sector Technical Support Program.







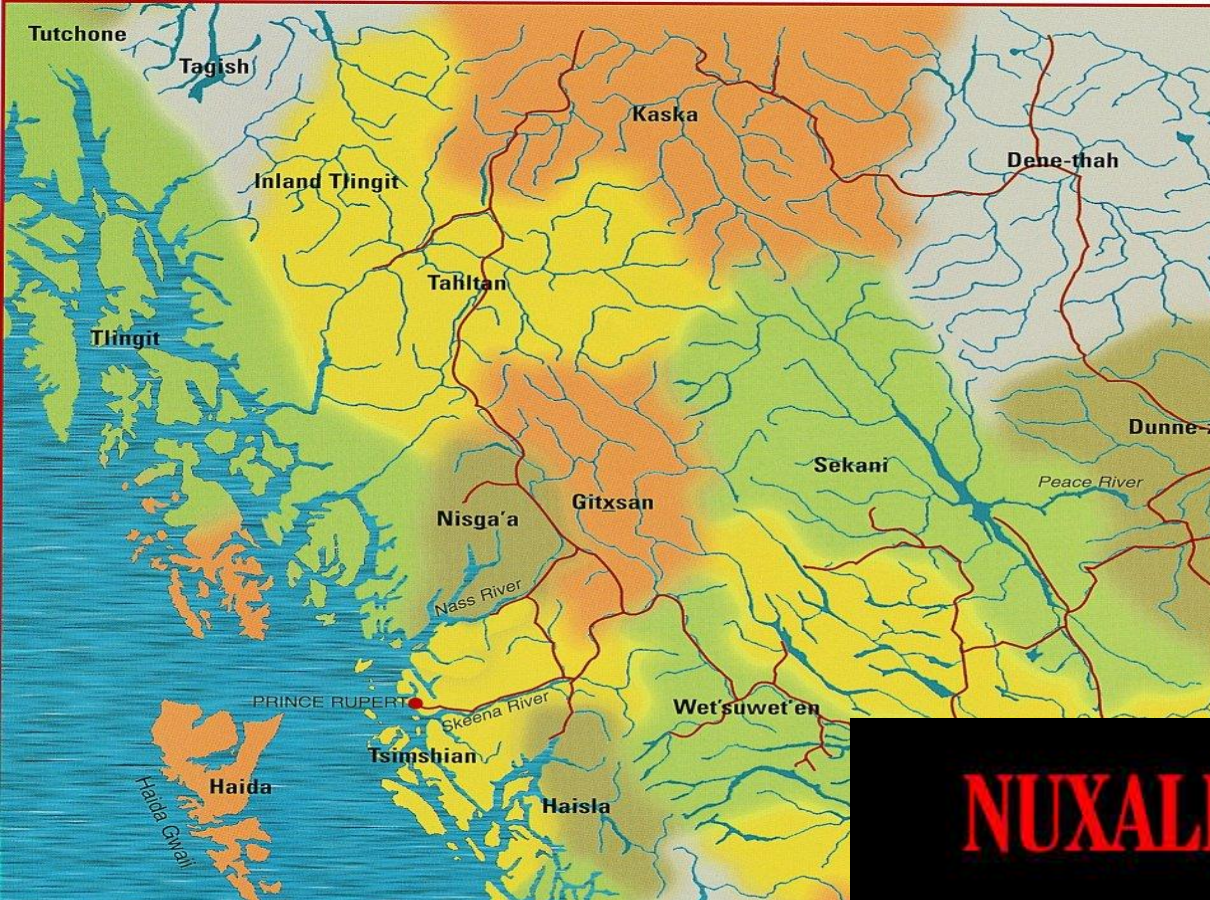




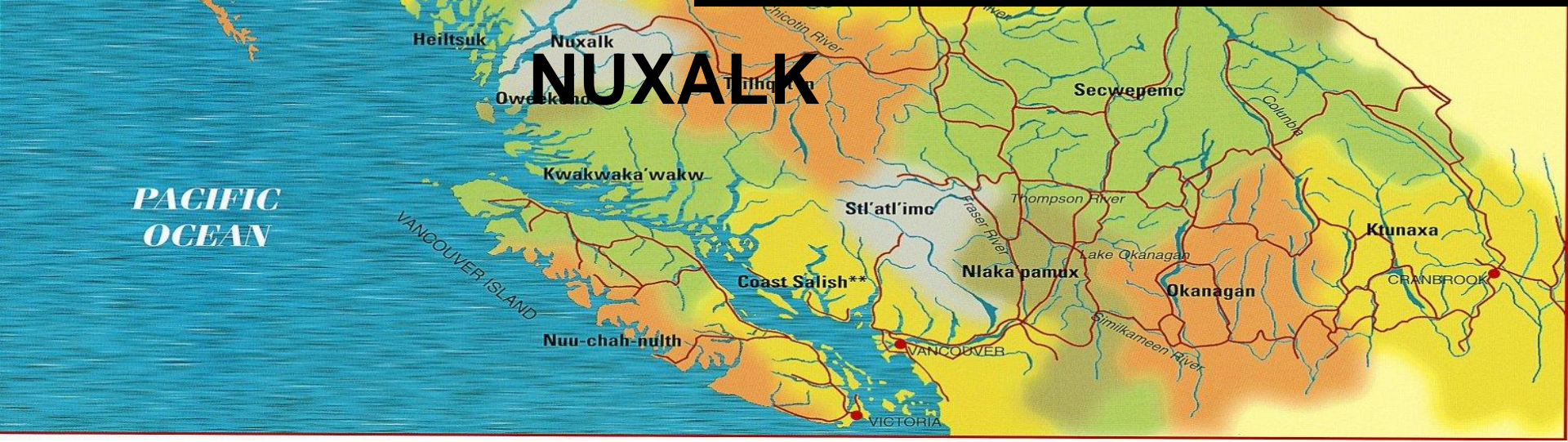


**West Bank First Nation**





# NUXALK SMAYUSTA







**TAAN FP**

**Skidegate**

**PACIFIC OCEAN**



Council  
of the  
**Haida  
Nation**



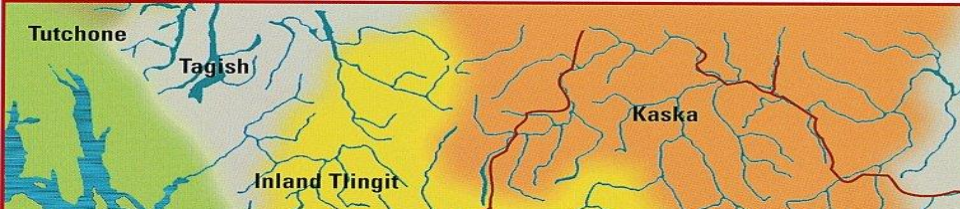
**Taan  
FOREST**

*From the land and spirit  
of the Haida.*

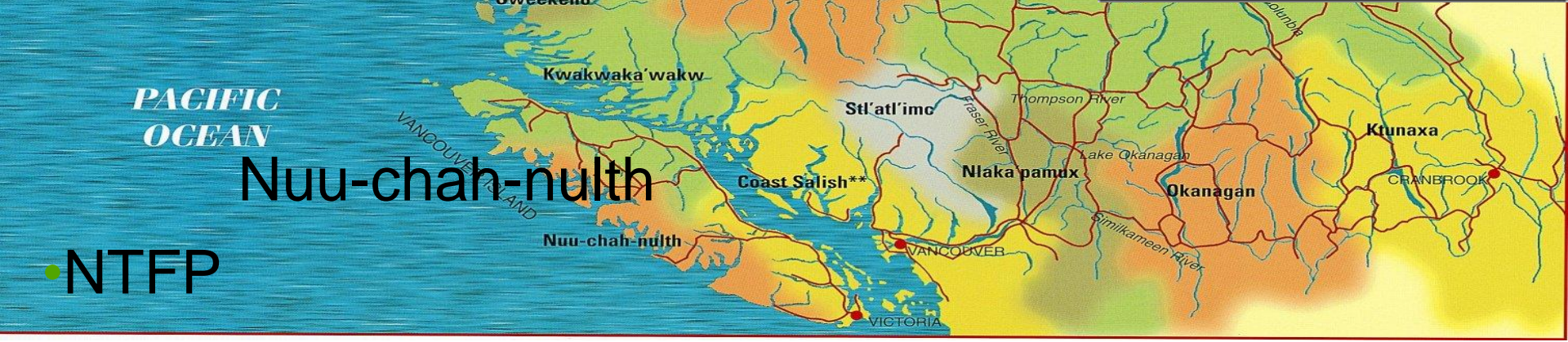


**Skidegate Band Council**





**H AISLA**  
FIRST NATION



**Haisla**  
**Heiltsuk**

**Nuu-chah-nulth**

• **NTFP**

**PACIFIC OCEAN**

VANCOUVER ISLAND

VICTORIA

CRANBROOK









# T'OOQ WOODWORKS

LUMBER AND WOOD PRODUCTS FROM THE KLAHOOSE FIRST NATION

**OUR MISSION**

T'ooq Woodworks is a aboriginal owned company who specializes in custom lumber and specialty wood products. Our wood supply comes straight from the Klahoose First Nation traditional territory highlighting various grades of warm Western Red Cedar and hearty Douglas Fir. We produce rough cut lumber in custom and standard dimensions as well as various wood products such as fence panels, custom furniture & functional pieces and featured artful products.

*"Our commitment to quality and customer satisfaction is of the utmost importance."*

**DOUGLAS FIR AND WESTERN RED CEDAR**  
**SIZES 2X4, 2X6, 2X8, 2X10, AND 2X12**

**\$1.50 PER BOARD FEET**  
**STOCK GOES FROM 8FT UP TO 16FT**

**OTHER PRODUCTS ALSO AVAILABLE**  
**CEDAR FENCING BOARDS 1X6 - 6FT TO 8FT**  
**CEDAR AND FIR CLEAR TRIM 1X2 AND 1X4 FINISH PRODUCT**



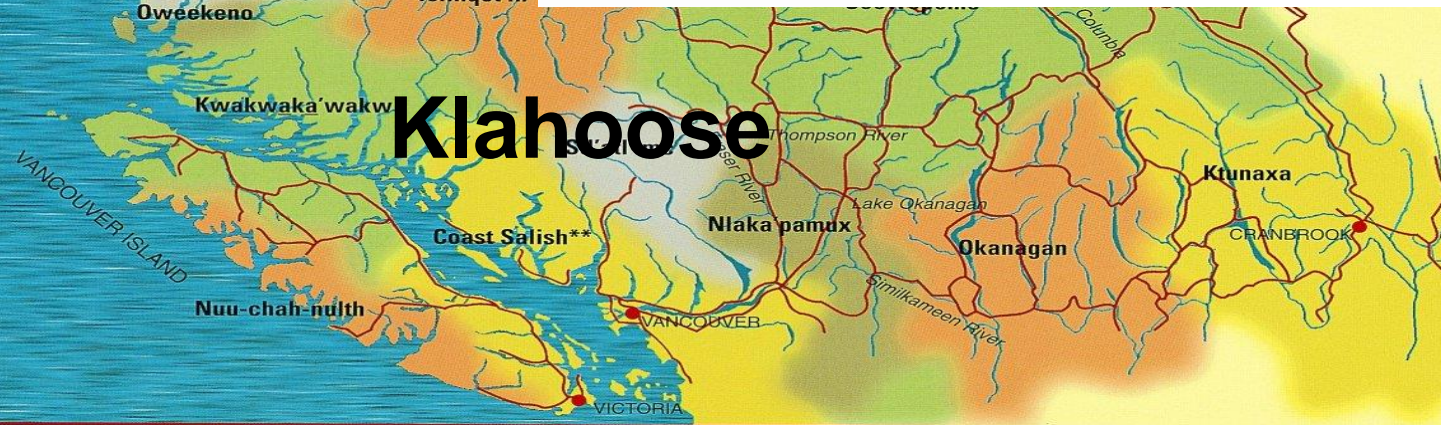
**FIND US SOON AT [TOOQWOODWORKS.COM](http://TOOQWOODWORKS.COM)**

**FOR ORDERS & INFORMATION CONTACT KEVIN PEACEY AT 250.203.7353**



# KLAHOOSE

## FIRST NATION

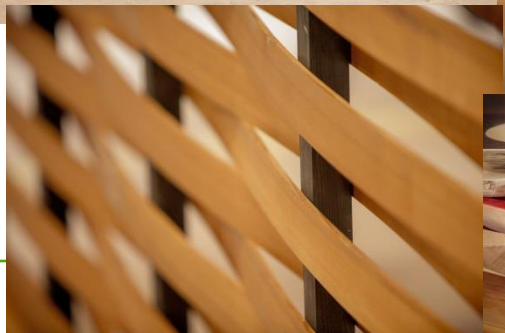






# KLAHOOSE

FIRST NATION



## • Proto Types





**KLAHOOSE**  
FIRST NATION

**Toq**  
WOODWORKS

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6 FEET TO 8 FEET**

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1X2 & 1X4 FINISH PRODUCT**

VISIT US AT [TOQWOODWORKS.COM](http://TOQWOODWORKS.COM)

\*CUSTOM LARGE VOLUME PRICING NEGOTIABLE



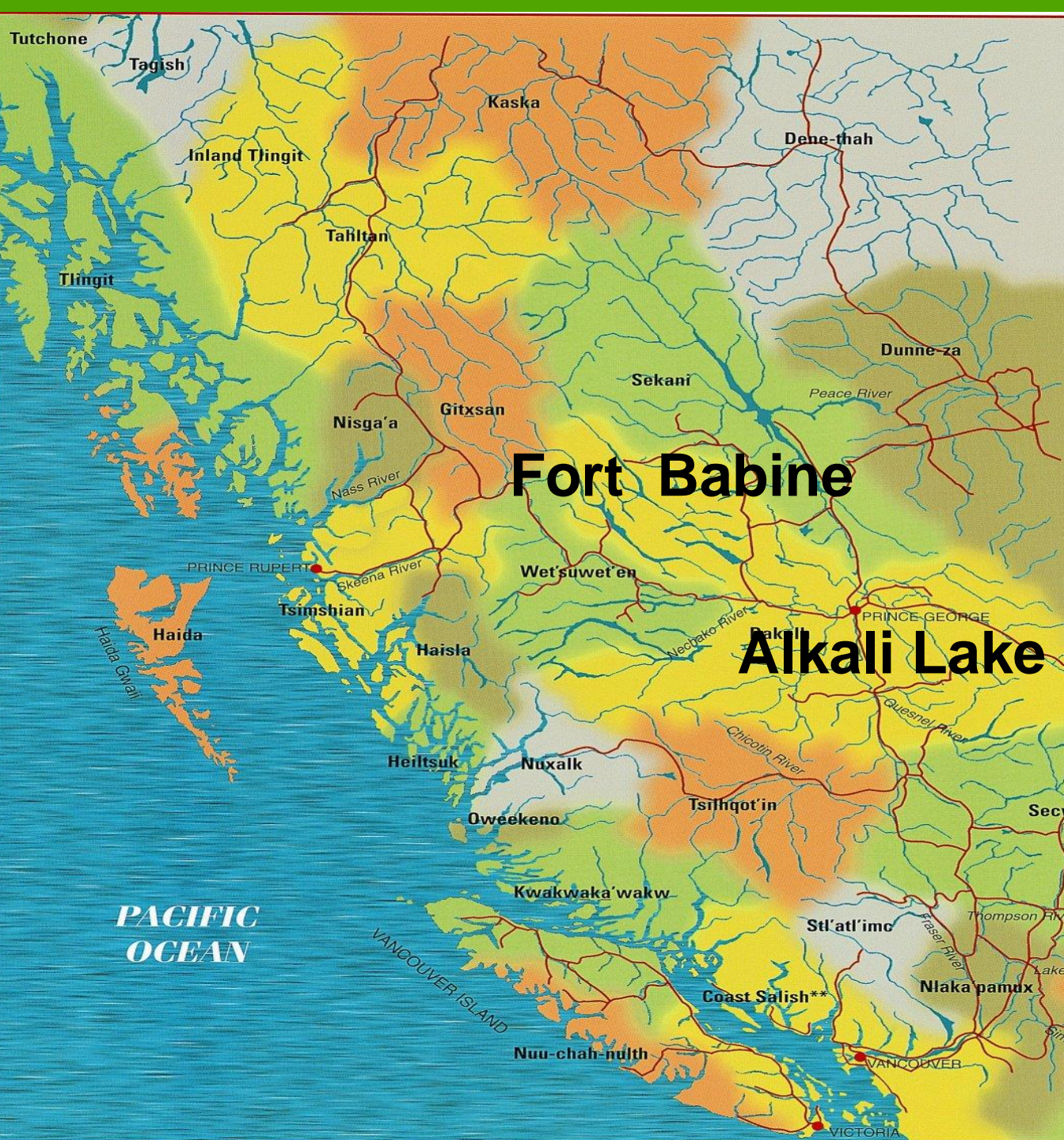


# Anahim Lake West Chilcotin FP

*this term is used to encompass a number of First Nations Peoples including Klahoose, Homalco, Stiamon, Sechelt, Squamish, Halq'emeylem, OStiq'emeylem, Hul'qumi'num, Pentlatch, Straits.*







**Fort Babine**

**Alkali Lake**



*OStiq'emeylem, Hul'qumi'num, Pentlatch, Straits.*





\* Adapted from Cheryl Coull's "A Traveller's Guide to Aboriginal B.C." with the permission of the publisher Whitecap Books.

\*\* Although Coast Salish is not the traditional First Nations name for the people occupying this region, this term is used to encompass a number of First Nations Peoples including Klahoose,

# Burns Lake



**Burns Lake Native Logging Ltd.**

P.O. Box 1030, Burns Lake, B.C. V0J 1E0  
 Telephone: (250) 692-3188 Fax: (250) 692-7483

**PACIFIC OCEAN**

VANGOUVER ISLAND





# Saskatchewan Forest Sector

## Support Program • Peter Sigurdson

- FPIinnovations: Partner with the Prince Albert Model Forest to bring FPIinnovations' successful *Building Wealth with Wood* program to Saskatchewan
- Project with Western Diversification Program in Saskatoon to obtain funding over three years
- Leveraged funding provided by program partners, including businesses and communities.
  - 15% minimum company contribution
  - 40% other funding partners
  - 37-50% contribution from WD. (37%)
- Funding from WD has been secured, strong support from Aboriginal and non-Aboriginal businesses in the province, from the CFS AFI Program - provincial government support applied for at the project level.

# Current Projects

- Sawmill training programs: Lean Manufacturing and TWI
- Technical analyses: new sawmills, post plants, district heating projects
- Marketing Saskatchewan Forest Products to U.S. and offshore buyers

# Measuring Success

Measuring success for the Program :

Jobs created or maintained

Businesses created or maintained

Dollar amount of trade

Number of companies participating in export & market development initiatives

New capital investments in manufacturing

Measuring success for the partnering businesses:

Higher productivity

Greater competitiveness

New product development and new markets

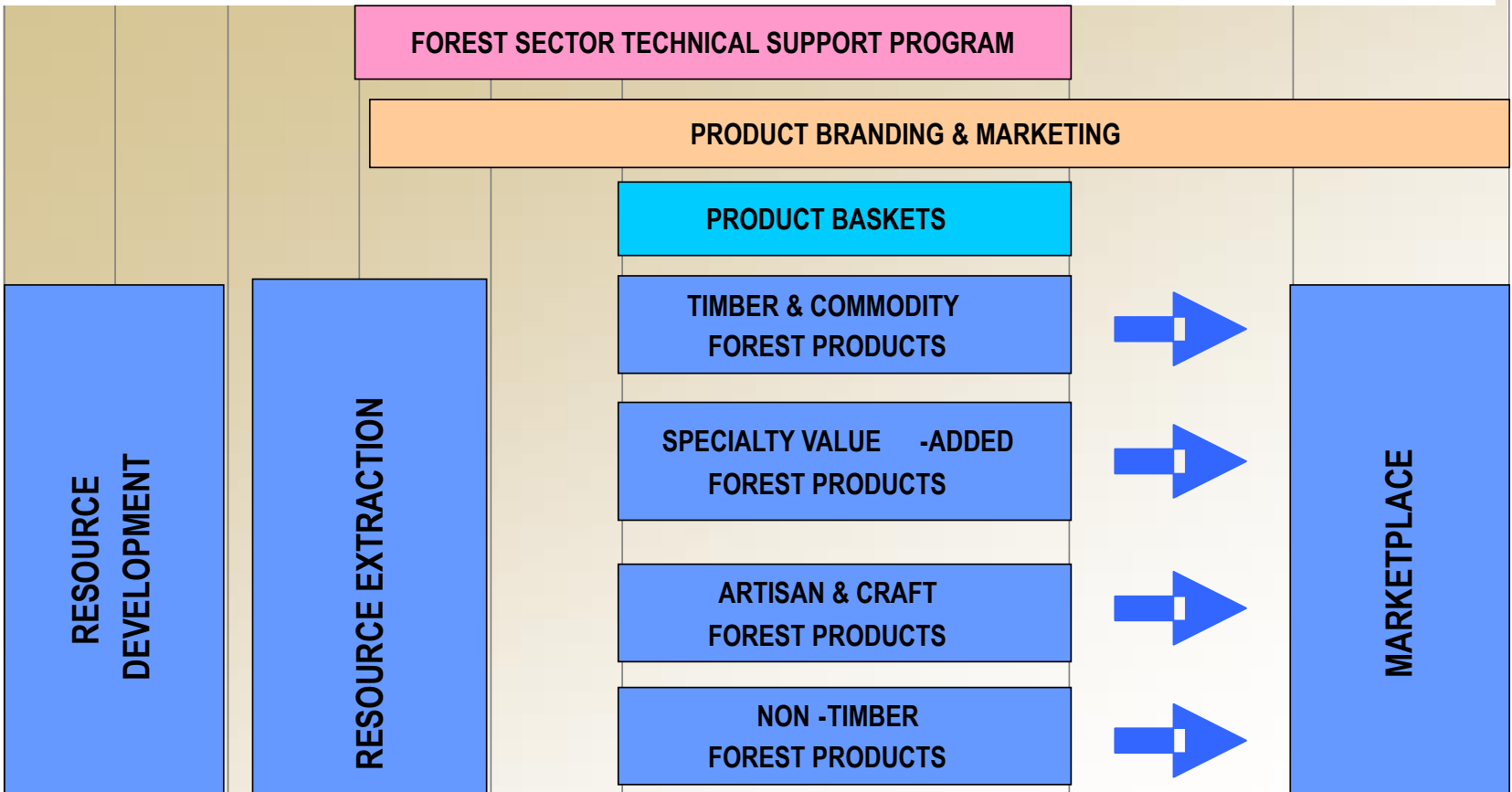


# “Social, Environmental & Economic Sustainability”



Genetics & Silviculture	Resource Attributes	Planning & Harvest	Log Grade & Sorting	Transport	Manufacturing	Distribution	Products & Markets
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## Aboriginal Forest Sector / Products Value Chain

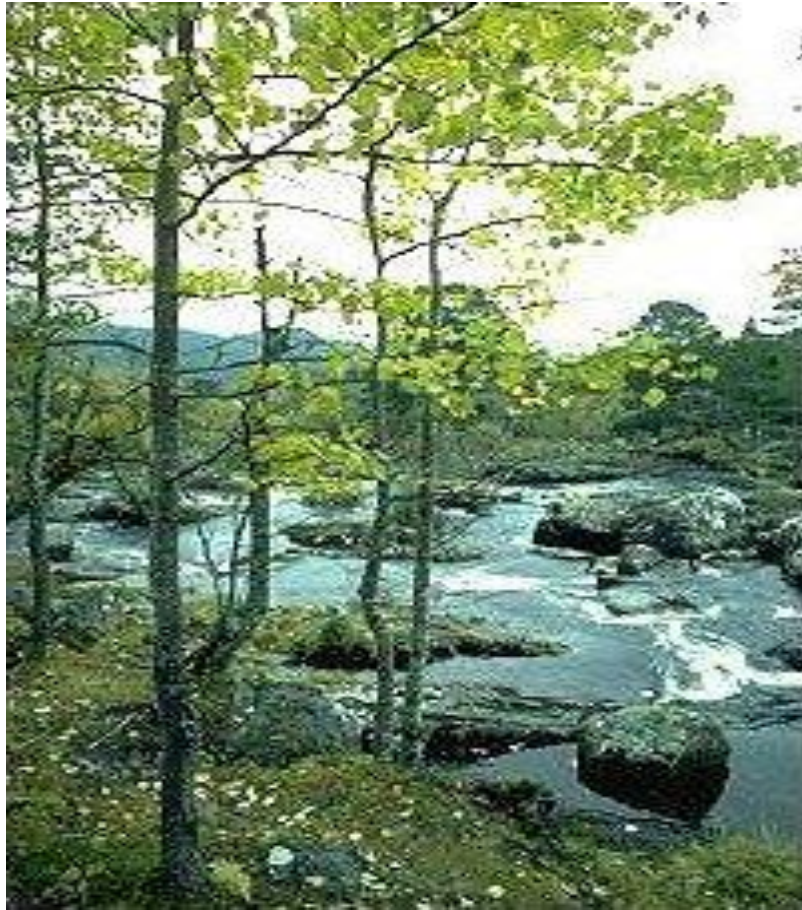


# Branding and certification





# Traditional Uses -





# Traditional Value-Added





# Non-Timber Products



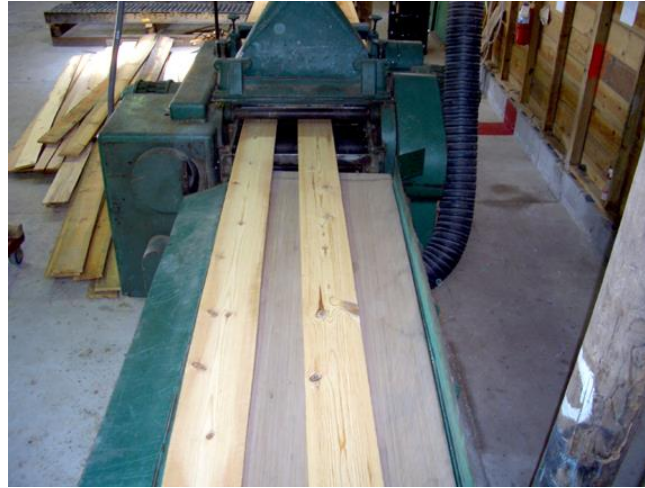


# Common Entry Point (Portable Mills)





# Primary and secondary machinery



# Local Housing Needs





# Nisga'a Log Homes





# Modular Housing



# Housing with Wood components





# Housing with Wood components



# Sun Decks













# A Multitude Of Product Options

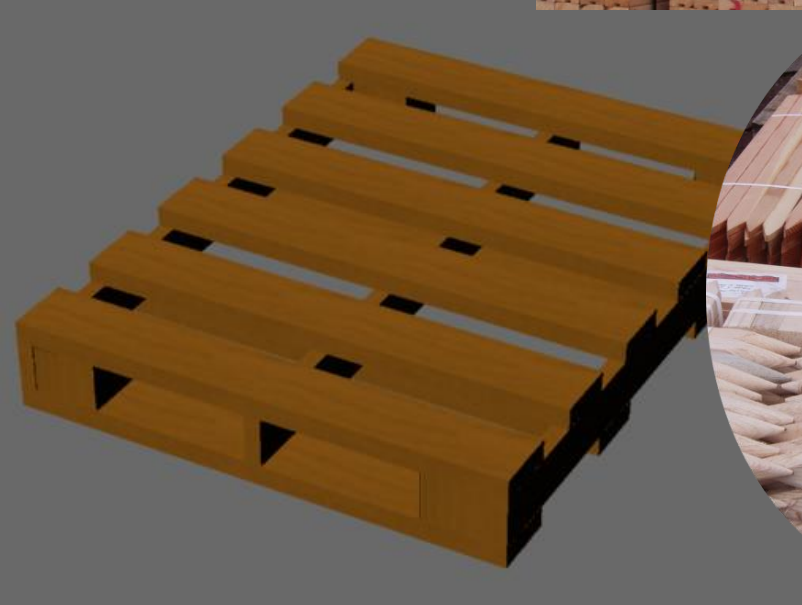




# Commodity Wood Products









# Specialty Products

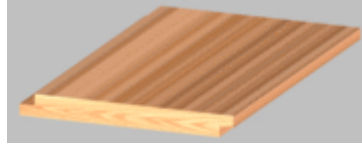
- Fireplace Mantels.
- Half-log Stair Treads.
- Post & Beam Material.
- Decorative Beams.





# By-Products

- Shiplap



- Firewood



- Sawdust



- Blocking timbers & pipeline skids





# Specialty Products





# Value-Added Products





# Value-Added Products





# Cabinetry





# Furniture Manufacturing





# Furniture Manufacturing





# ***Flooring***







Bluestain  
highlighted in  
appearance  
products – research  
and history  
indicates a niche  
market..... but we  
would love to be  
proven wrong!!



# Log Furniture?

(Value-Added)













# Unique Boardroom Tables





# Believe it or Not!



8 different languages



# “Coal To Newcastle”?



To Store:

**0426**

LANGLEY, FRASER HWY., B.C.

From:

CALGARY D.C. REGION  
6336-114 AVENUE SE  
CALGARY, ALBERTA

PRODUCT OF CANADA / PRODUIT DU CANADA  
DISTRIBUTED BY / DISTRIBUÉ PAR  
CHARBONNEAU FLORAL LTD / LTÉE  
LAVAL, QUÉBEC H7X 2T4



# Wood Pellets- An Opportunity?

The cost and long term feed stock availability are the most significant factors.....



# The Heart of the Program

- On the ground support:  
through the “BC First Nations Forest Sector  
Technical Support Program”.



**FPInnovations**

**BUILDING WEALTH  
WITH WOOD**

**BC First Nations Forest Sector  
Technical Support Program**

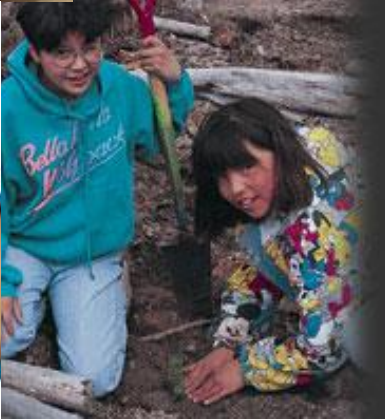
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## Building Wealth With Wood

• L.O.U.



# Why are we doing this?









A wooden gate stands closed across a paved road. The gate is made of weathered wood with a diagonal brace. A black sign with white text is attached to the gate. The background shows a grassy field, a line of trees, and a person walking in the distance. The sky is blue with some clouds.

PLEASE  
CLOSE  
GATE



# Aboriginal Housing

- Shortage of an estimated 40,000 to 80,000 housing units for Canada's Aboriginal communities.
- The same range (40,000 to 80,000 or more) requiring repair.



# Canadian Aboriginal Housing

- **Wherever possible and cost efficient, facilitate the use of local materials (thereby creating local jobs), and utilize local forest products to help reduce the material and shipping costs which should lead to shorter wait times for affordable and appropriate Aboriginal housing**





# Potential For Aboriginal Community Forests



**FPIinnovations has a unique spectrum of independent expertise and a track record of innovation, development & deployment**

# Moving forward this year:





**If you can't find a way, create one!**

**If you can't find a way,  
create one!**



# Where Do We Go From Here?





# Building Wealth with Wood



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# Provincial Leader, Saskatchewan and Manitoba



Peter Sigurdson, RPF

Provincial Leader, Saskatchewan and Manitoba

#102 J-1061 Central Avenue Prince Albert SK S6V 4V4

☎ 306 764-5551 ☎ 306 930-9880

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