



**UNBC's Quesnel River Research Centre
& The Likely Xat'sull Community Forest
& Royal Roads University**



- **An Assessment of the Effects of the Mountain Pine Beetle on Non-Timber Forest Resources in the Likely/Xat'sull Community Forest**



What was the objective?

- The objective of this research was to build a Non-Timber Forest Resource (NTFR) inventory to help diversify the local economy beyond timber extraction.



What are NTFR?

- Plants
- Berries
- Mushrooms
- Willows
- Flowers
- Ferns



What is a NTFR Inventory?

- What resources are on the land, where, and in what quantities and quality?



Why is an inventory important?

- Increased market demand for NTFR
- Decrease timber due to the MPB
- The lack of current resource management plans for the NTFR



- How did we create the inventory?



- **Part 1- Social Science**

- **Part 2- Botany**



Part 1- Social Science

- We asked local people for a list of species with a potential for commercialisation



The Inventoried NTFR

- Raspberry
- Strawberry
- Blueberry
- Huckleberry
- Saskatoon
- High-bush/bog
cranberry
- Pin/bitter-cherry
- Oregon grape
- Wild rose
- Ferns
- Birch
- Nettles
- Willow
- Arnica



Potential Products

- Wreaths and garlands (pine, fir)
- Essential oil production
- Berries (raw, jams or frozen)
- Various floral greenery
- Willow for furniture
- Gourmet vinegars
- Beauty products
- Health remedies
- Paper



Part 2- Botany

- ▶ Field crew – Wayne Henke, Henry Sellars, Mike Keefer, Randy Moody
- ▶ target species, indicator species, soil conditions, aspect, crown cover ect...
- ▶ 100 plots



NTFR inventory will be included in:

- community forest planning,
- certification applications and plans,
- sustainable forest management plans,
- land and resource management plans, and
- community economic diversification planning



What has this project produced?

- Final written report (available on QRRC website- www.unbc.ca/qrrc)
- Baseline inventory data for LXCF
- A new pilot-project for LXCF



Wreath and Garland

- 2010- Wreath and Garland
- 2 week training
- 6 weeks fulltime work until Christmas



Acknowledgments

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- Wendy Cocksedge of RRU Centre for Non Timber Forest Resources



Questions?

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