

# Case Study Analysis in Support of Forestry Development in the Central-West Region, NL

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# Outline

- \* Land Use Planning
- \* Case Studies: Forestry
  1. British Columbia Forest Service
  2. Timiskaming Forest Alliance
- \* Recommendations
- \* Conclusions



Image Source: <http://www.redtag.ca/travel-articles/articles/110/1/Canadas-Boreal-Forest-is-the-Planets-Best-Weapon-Against-Global-Warming.html>

# Land-Use Planning

- \* Emerged in 1920s
- \* Became decentralised
- \* Fostered economic development
- \* Sustainability became an important factor
- \* Connecting Society and the Environment through multi-level discussions



Image Source: <http://www.stjohns.ca/living-st-johns/recreation-and-parks/parks-playgrounds-and-trails/bannerman-park>

Source: Bjork, 1981; Chen et al, 2005; Kim, 2011

# Case Study Analysis

- \* Sustainability
- \* Spatial Relativity
- \* Human Dimensions
- \* Economic Feasibility
- \* Government Interaction



Image Source: <http://www.longrange.ca/pages/foresty.html>

# Case Study Selection

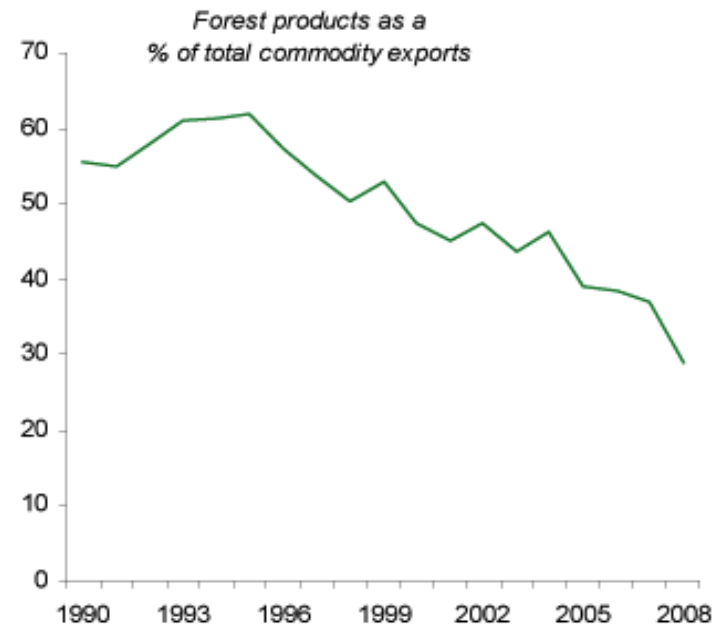
- \* British Columbia Forest Service
- \* Timiskaming Forest Alliance



Image Sources: <http://www.directmarketlink.com/timiskamingforest/>  
<http://www.geog.ubc.ca/biodiversity/eflora/logos.html>

# BC Forest Service: Sustainability

- \* Economic sustainability has declined since 1990
- \* Ecological sustainability in 'old growth tree' areas
- \* Lack of adherence to sustainability regulations



# BC Forest Service: Spatial Relativity

- \* Considerations for accessibility, nearness, and serviceability
- \* Appropriate selections based on purpose



Image Source: <http://www.bcfs100.ca/docs/pdf/6/516.pdf>

# BC Forest Service: Human Dimensions

- \* Regulating Human-Forest interaction
- \* Tourism and Recreation: Trails, Cabins, Gaming
- \* Educational Services: Seed Planting and Museum
- \* Environmental Awareness



Image Source: BC Forest Service Photo Gallery



# BC Forest Service: Economic Feasibility

- \* Government prioritizes economic prosperity
- \* Technological advances allow increased capacity



Image Source: BC Forest Service  
Centenary Society Photo Gallery

# BC Forest Service: Government Interactions

- \* Based on government legislation
- \* Progressive governance in recent years
- \* Accessible to residents



Image Source: BC Forest Service Centenary photo gallery

# Timiskaming: Sustainability

- \* Corporate commitment to forest sustainability
- \* Greater conservation initiatives
- \* 5-6 million trees annually planted



Image Source: <http://www.producer.com/2011/03/albertas-landuse-plan-draws-criticism/>

# Timiskaming: Spatial Relativity

- \* Small area: 10 000km<sup>2</sup>
- \* Rural/First Nations communities
- \* Some districts were too large for regional offices



Image Source: [http://en.wikipedia.org/wiki/Timiskaming\\_District](http://en.wikipedia.org/wiki/Timiskaming_District)

# Timiskaming: Human Dimensions

- \* Employee Health and Safety
- \* Community-business information facilitations
- \* Sustainable Community Benefits and Regional Support.



Image Source: [http://en.wikipedia.org/wiki/Timiskaming,\\_Quebec](http://en.wikipedia.org/wiki/Timiskaming,_Quebec)

# Timiskaming: Economic Feasibility

- \* Maintained a high harvest rate compared to Ontario
- \* Average savings of \$5/m<sup>3</sup>
- \* Greater freedom to implement development



Image Source: <http://www.northernontariobusiness.com/Industry-News/forestry/New-Ontario-biomass-energy-group-to-lobby-for-better-incentives.aspx>

# Timiskaming: Government Interaction

- \* Express community involvement and cooperation
- \* Lack some policies that do not pose problems



Image Source: <http://www.straightgoods.com/Angus/010226Images.shtml>

# Recommendations: Government

- \* Establishing education facilities
- \* Multi-level governance
- \* Adequate infrastructure
- \* Enactment and enforcement of regulations





# Recommendations: Private Industry

- \* Engage the public; forestry and tourism profits
- \* Collaborate and seek relevant strategies
- \* Encourage training and education



Image Source: BC Forest Service Centenary Photo Gallery

# Recommendations: Non-Government Organizations

- \* Foster collaboration, education, and research
- \* Assist start-up initiatives and provide direction for new-comers
- \* Collaborate with private industry to integrate better business practices

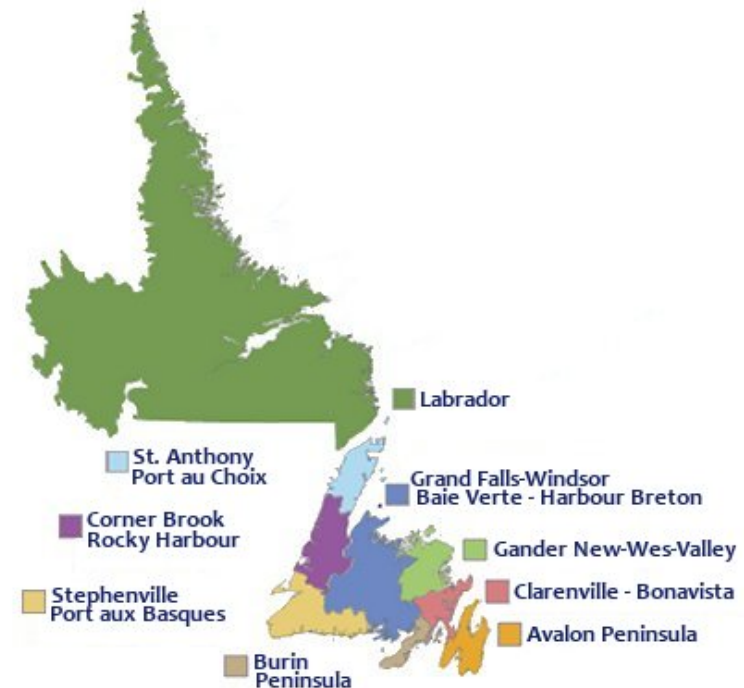


Image Source: [http://www.exec.gov.nl.ca/rural/regional\\_councils/whats\\_my\\_region.html](http://www.exec.gov.nl.ca/rural/regional_councils/whats_my_region.html)

# Conclusions

- \* Team work and diligence will produce success



Image Source: <http://p6.hostingprod.com/@treks.org/nfld.htm>

# References

- \* BC Forest Service. (2012). Welcome to the BC Forest Service's Centenary Website! Retrieved from: <http://www.bcfs100.ca/bscripts/timeline.asp>
- \* Bjork, G.C. (1981). *Life, liberty, and property: the economics and politics of land-use planning and environmental controls*. Free Press
- \* Chen, C.H., Liu, W.L., Liaw, S.L., Yu, C.H. (2005). Development of a dynamic strategy planning theory and system for sustainable river basin land use management. *Science of the Total Environment* 346(1-3): 17-37.
- \* Kim, J.H. (2011). Linking land use planning and regulation to economic development: A literature review. *Journal of Planning Literature* 26(1): 35-47.
- \* Timiskaming Forest Alliance. (2012). What is Timiskaming Forest Alliance Inc.? Retrieved from: [http://timfor.com/?page\\_id=4](http://timfor.com/?page_id=4)