A Partnership Approach to Leverage Cost – Benefit & Sharing Risk
The NVI Project –

A LiDAR Enhanced Forest Inventory

“The project goals are to design and build LiDAR based forest inventories relevant for the purpose of internal forest management and tactical-operational planning as well as acceptance by FAIB for meeting VRI standards on the WFP and BCTS operating areas by December 31, 2013. The project is also intended to achieve economies of scale by covering 113,734 hectares (or greater) of collective operating areas for BCTS and WFP on North Vancouver Island.” Joint Ventures Working Agreement
Topics

Project Background
- How did we get here
- 2012 Joint Acquisition

FAIB’s interest

What’s next

Questions & Discussion
How did we get here...

Background – 2012 Acquisition Project

BCTS and WFP had both previously done small areas of LiDAR acquisition on the mainland coast.

– Both were looking into a 2012 program and were exploring options to
  • Maximize area within fixed budgets
  • Reduce the risk
Could it work?

✓ Area adjacent? Close enough!
✓ Operationally oriented goals
✓ Time lines
2012 Project cont....

**Bridging the Divide**

Government and Industry do business differently.....

- We focused on mutual goals and the details to affecting those..

**Deliverables**

- Specifications
- Standards
- Quality Control

- Team was assembled, roles were spelled out, GeoBC was brought on board to provide project management and facilitate tendering.
2012 Project cont...

Success!
All in all the acquisition project was a success....

1. 120,568 ha of LiDAR collected
   • With a fixed wing
   • In difficult terrain
   • At Sufficient pulse density provide a good quality DEM
   • On budget
Success cont...

2. Developed a great team

- BCTS and WFP
  providing operational perspectives

- GeoBC
  facilitating and administering contract objectives

- Gordon Fraser
  providing QC and processing expertise
3. Learnings

• Be flexible
  • We don’t have to agree on everything
    • The point cloud/base data is the carrot so....
      – Acquisition - yes
      – Basic Processing - yes
      – Advanced Processing, QA/QC, Deliverables – all these can be separately managed

• Keep it simple.....
  • Be Clear on Deliverables

• Timely QC from a knowledgeable person
  • Communication is critical
Success cont....

4. Led to further collaboration

The NVI Project – A LiDAR Enhanced Forest Inventory

- BCTS
- Forest Inventory and Analysis Branch (FAIB)
- WFP
NVI Project 2013

New Project...

FAIB:
- had previously done a LiDAR inventory pilot - TFL18
- Expressed interest in establishing standards and specs for future LiDAR operational inventories

BCTS & WFP:
- Interested in
  - Better information
  - Influencing standards and spec for...
Progress

To date we have

– Assembled a new team with a great dynamic
  • FAIB, BCTS, WFP, Analytical and field expertise

Goals

– Cost effective EFI
– Share the risk
– explore long term benefits
Longer Term Benefits

• Working towards an innovative approach to building inventory datasets

• Developing Coastal Standards for LiDAR EFI

• Improving inventory related....
  • communication
  • Interpretation
  • data consistency and relevancy over time

• Building trust amongst the participants
Questions
Or
Comments?