K2 Adaptation to Climate Change Project

Client Meeting

Ministry of Environment 1st board room, 1259 Dalhousie Drive, Kamloops

June 7, 2011

AGENDA

8:30-8:45 Introductions, Review of Agenda and the Objectives for this session.

8:45-9:05 Review of the K2 project goals and general progress since the last meeting up to the initiation of modeling.

9:05 – 12:00 Presentation of data with explanations for modeling of:

Break at 10:00 for coffee.

- Overview of Climate Scenarios used;
  - how data was acquired and why.
  - Some discussion of downscaled climate data, with some example projections over time
- Tree Species Sensitivities (TACA model)
  - What
- Development of Stand Units (FORECAST model)

NOTE: The focus will be on specific biogeoclimatic and species – as illustrated below:

Specific topics for Presentation

- Overview of climate response functions used in the model.
- Introduction to model calibration based upon historical climate data
  - Show Dry Transition example
- Compare historical trend vs projected climate change trend Fd & Cw
  - Illustrate implications of CC for water stress
  - Show the benefit of shelter for Cw
  - Illustrate drought mortality threshold and implications for productivity
- Discussion of methods for calibrating / estimating drought related mortality rates
  - Show IDFdk example (depending on time)
- The approach used to incorporate climatic impacts on mortality from insects and disease.
- Brief summary of the use of TACA output to drive FORECAST
- Brief summary of the use of FORECAST output to drive landscape models

12:00-1:00 Lunch

1:00-2:30

- Finish the explanation of modeling (if necessary)
- Conclusion – Next steps (landscape modeling), timeline, and the final outputs for the project.