



Future Forest Ecosystems Initiative

January 2008

PROJECTS UNDERWAY

Recently completed	<ol style="list-style-type: none"> 1. FFEI 3 year strategic plan and supporting appendices 2. Technical report: <i>Climate Change, Impacts and Adaptation Scenarios</i> (Spittlehouse)
Initiated in 2006/07	<ol style="list-style-type: none"> 3. FFEI scientific foundation (<i>due March 2008</i>) 4. Updating of biogeoclimatic ecosystem classification (BEC) guides and maps 5. Design of next generation of terrestrial ecosystem mapping (TEM) and predictive ecosystem mapping (PEM) 6. Climate change vulnerability assessment framework for key species, ecosystem processes 7. Development of gene resource management strategy 8. Updating of species selection guidelines 9. Inventory of distribution of invasive alien plants 10. Provincial wild land fire strategy and related fire management planning guidance
Initiated in 2007/08	<ol style="list-style-type: none"> 11. Integrated cross-program approach to FFEI research, forecasting, monitoring, policy evaluation 12. Review of related initiatives in B.C. and other jurisdictions 13. FFEI business process map 14. Assessment of utility of existing research installations/projects to support FFEI delivery (preliminary work) 15. Upgrading, user-friendly access to climate forecasting models (ClimateBC) (preliminary work) 16. Review of climate station data between selected adjacent sub-zones 17. Insects and disease research and monitoring strategy 18. Fire-climate and fuel-climate research strategies (preliminary work) 19. Exploratory analysis of timber supply impacts from changes to growth and yield as a result of climate change 20. Tree and stand simulator support (TASS) adaptation adjustment: use of provenance test results to refine height-age curves 21. Multi-species Class A seedlot adaptation trial 22. Use of stand growth models to determine role of seedlot diversity on plantation resilience 23. Framework for climate-based seed transfer system 24. Development of Chief Forester guidance on use of broadleaves 25. Review of TRIM-C forage data to establish baseline for forage supply modelling 26. Exploratory analysis of options for incorporating fire management objectives into legislation 27. Communication/extension strategy for climate change impacts on forests and rangelands 28. Communication strategy on role and value of fire as ecosystem component
Planned and funded for 2008/09	<ol style="list-style-type: none"> 29. Development of operational measures of ecological resilience, and some field testing 30. Evaluation and expansion of climate forecasting models (ClimateBC) 31. Estimates of B.C.'s forest ecosystem net carbon balance in response to climate change
Related research supporting FFEI objectives	<ol style="list-style-type: none"> 32. Research on indicator plant-climate responses 33. Seral classification 34. Research on channel morphology and woody debris associated with MPB impacts 35. Research on range of natural variability (RONV) of beetle disturbances and future outbreak risk 36. Long-term mountain pine beetle (MPB) monitoring sites 37. Long-term study of post-harvest population dynamics on sub-boreal sites 38. Various biotic agents research, monitoring and evaluation projects