

## Foothills Growth and Yield Association Mid-year Status Report for 2002-03

Tables 1 and 2 summarize the operating and financial status of the Association effective September 30, 2002, i.e. at the mid-point of the fiscal and operating year which started April 1, 2002 and ends March 31, 2003.

Table 1 summarizes progress made in each of the Association's six projects, relative to desired outputs (identified in the Five-year Business Plan and the program logic model), and deliverables scheduled for the year (in the 2002-03 Annual Work Plan).

Table 2 shows inputs, income and expenditures for Project 1 (Development and Management of the Association). It includes income received by the Foothills Model Forest for the administration of the Association, and associated expenditures for Quarters 1 and 2, with projections for Quarters 3 and 4.

Table 2 does not include income and expenditures for other projects, incurred or scheduled as follows:

- Direct expenditures incurred by members for the establishment, measurement and treatment operations scheduled for Project 2 (Regenerated Lodgepole Pine) in the 2002 field season. All scheduled work has been completed. Total costs are estimated to exceed \$180,000.
- \$70,000 cash contribution to Project 3 (Site Index Comparison) approved by voting members in March 2002. The amount requested has been reduced to \$60,000 to reflect the final price for the competitively-bid fieldwork contract. Effective September 30, the Foothills Model Forest has received payment for \$16,593 of this amount.
- \$18,400 cash contribution approved for Project 4 (Historical Research Trials) in March 2002 to commence re-measurement of CFS research trials. This is part of a 5-year contribution committed by the members conditional on finalization of an agreement for cooperative management of the trials. Work did not proceed this field season because of timing, contractor availability, and planning constraints. Transfer of funds were therefore not requested. Planning and evaluation work has been undertaken to facilitate execution of the work in the 2003 field season.
- Retention of an Assistant Analyst by the LFD to edit and compile historical data (Project 4), at an approximate cost of \$30,000.
- Miscellaneous in-kind contributions made by members and collaborating agencies.

Tables 3 and 4 are the Director's progress reports for Quarters 1 and 2 respectively. These provide details of the Director's activities, achievements, shortfalls, and tasks scheduled for the next quarter.

Please refer questions or comments to:

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Table 1. Mid-year Progress Report for 2002-03 Fiscal Year

Project	Outputs	Deliverables Scheduled for Year	Progress to September 30
1. Association development	Self-sustaining co-operative organization	Membership fees and project support.	5-year Business Plan amended, as approved by Steering Committee. Approved fees paid and projects supported by all members. Active project participation by technical representatives of member organizations.
	Research forums and field tours	Annual meeting and technical forum March 2003.	
	Quick-notes, web bulletins	Minimum 2 Quick-Notes per year.	Quick-Note #1 published; web site updated.
2. Regeneration trial	Long-term field installations for monitoring regeneration performance	Complete installation and planting of trial.	Establishment of all 102 planned installations completed.
	Prediction of growth and yield relative to site, spacing, ingress, mortality, competing vegetation, and density regulation	Measurements and treatments.	Scheduled measurements and treatments completed. Field audits completed.
	Forecasts of post-harvest site index	Establishment report and initial forecasts.	Site index data acquired from parent stands for 97 (out of 102 installations). Awaiting data entry and verification of 2002 measurements.
3. Comparison of pre- and post-harvest site index		Technical report / scientific paper including forecasts based on paired-plot and PSP data.	Paired plot field sampling completed; awaiting field audits and data entry. PSP data (with pre- and post harvest SI measurements) acquired and under assessment.
4. Co-operative management of historic research trials	Maintained and protected field installations	Arrangements in place	Letter of Agreement for cooperation signed by CFS, LFD, and FGVA (including project plan and schedules).
	Analyses and management interpretations of long-term data on response to thinning and fertilization	Arrangements in place	Analysts assigned and recruited.
	Compatible yield and growth estimation techniques	Procurement, compilation and editing of data	Data editing and compilation commenced.
5. Development of regional yield estimators		Estimation technique, prototype models, and technical report	Scope and methodology formulated. Initial data acquired; additional data committed. Analysis commenced by LFD specialists.
6. New nutrition and density management studies	Needs assessment	Expert report	Draft report reviewed; awaiting final report.
	Field installations	Project proposal	
	Predictive models of response to nutrition and density management		

**Table 2. Inputs and Expenditures for the Development and Management of the Association**

<b>Income / Expenditure</b>	<b>Approved for Year</b>	<b>Actual for Q1 &amp; Q2</b>	<b>Scheduled for Q3 &amp; Q4</b>	<b>Projected for Year</b>
<b>Time Inputs (days)</b>				
Director	108	53	55	108
Field Coordinator	100	62	38	100
Total days	208	115	93	208
<b>Income (\$)</b>				
Balance from 2001	82,851	93,408	-	93,408
Membership fees - FRIP (FRIAA contract)	105,000	105,000	-	105,000
Membership fees - FRIP (member direct)	15,000	15,000	-	15,000
Membership fees - non-FRIP	15,000	15,000	-	15,000
Other contributions (Project 1 only)	70,000	70,000	-	70,000
Total income	287,851	298,408	-	298,408
<b>Expenditures (\$)</b>				
Director (contract)	70,000	34,263	35,737	70,000
Field Coordinator (contract)	50,000	31,130	18,870	50,000
Other contract services	5,000	665	4,335	5,000
Travel, field and incidental expenses	16,000	7,780	8,220	16,000
Meetings and tours	7,300	21	7,279	7,300
Contingency and miscellaneous	7,415	-	7,415	7,415
GST	9,780	5,000	5,155	10,155
Total expenditures	165,495	78,859	87,011	165,870
<b>Ending Balance (\$)</b>	<b>122,356</b>	<b>219,549</b>	<b>132,538</b>	<b>132,538</b>

**Table 3. Director's Quarterly Activity Report #1**

<b>Reporting Period</b>	<b>April 1 – June 30, 2002</b>
<b>Total reimbursable hours</b>	<b>205.5 (Director)</b>
<b>Director's Activities</b>	
<ul style="list-style-type: none"> <li>Amend business plan and prepare annual work plan</li> <li>Consolidate annual report</li> <li>Update website</li> <li>Direct work verification and field work planning for Project 2 (RLP)</li> <li>Technical Committee meeting</li> <li>RLP data analysis for fill-in planting and herbicide treatment planning</li> <li>Develop herbicide proposal for Project 2</li> <li>Planning for Project 3 (Site Index Comparison)</li> <li>Initiation of Project 4 (Historic Research Trials)</li> <li>Review of ARC Nutrition and Density Management report (Project 6)</li> </ul>	
<b>Achievements by Project</b>	
1	<ul style="list-style-type: none"> <li>Business plan amended, annual work plan prepared, and annual report consolidated</li> <li>Full annual fee income received</li> <li>Website updated</li> </ul>
2	<ul style="list-style-type: none"> <li>2001 data loaded and verified; mortality and competition analysed</li> <li>Field procedures and work schedule developed and agreed to by Technical Committee</li> </ul>
3	<ul style="list-style-type: none"> <li>Technical procedures finalized and preliminary agreements signed with contractor</li> </ul>
4	<ul style="list-style-type: none"> <li>Letter of agreement between FGYA, LFD and CFS drafted</li> </ul>
<b>Shortfalls</b>	
<ul style="list-style-type: none"> <li>Herbicide proposal not finalized (Project 2)</li> <li>Agreement not signed between CFS, LFD and FGYA (Project 4)</li> <li>Work on Project 5 (Regional Yield Estimators) not initiated</li> <li>Review of ARC report not completed (Project 6)</li> </ul>	
<b>Tasks for next quarter</b>	
<ul style="list-style-type: none"> <li>Prepare Quick-Note and update website.</li> <li>Complete herbicide proposal, competition analysis and treatment schedule (Project 2)</li> <li>Contract, acquire funds for, and complete Project 3 fieldwork (site index paired plots)</li> <li>Acquire PSP data for Project 3</li> <li>Finalize collaboration agreement and initiate field and data editing work (Project 4)</li> <li>Initiate team work on Project 5</li> <li>Complete ARC report review and acquire final report (Project 6)</li> </ul>	

**Table 4. Director's Quarterly Activity Report #2**

Reporting Period	July 1 – September 30, 2002
Total reimbursable hours	217.5 (Director)
<b>Director's Activities</b>	
<ul style="list-style-type: none"> <li>Newsletter preparation and website update</li> <li>Treatment planning for Project 2 (Regenerated Lodgepole Pine)</li> <li>Direction of Project 3 (Site Index Comparison)</li> <li>Planning, arrangements and team meetings for Project 4 (Historical Research Trials)</li> <li>Planning and team meetings for Project 5 (Regional Yield Estimators)</li> <li>ARC report review (Project 6 – Nutrition and Density Management)</li> <li>Participate on FMF Program Implementation Team (PIT)</li> </ul>	
<b>Achievements by Project</b>	
<ul style="list-style-type: none"> <li>1 Quick-Note # 1 published; website updated</li> <li>Logic model developed for FGYA program</li> <li>2 Herbicide proposal approved by LFD; treatment schedule finalized</li> <li>Scheduled planting, measurements and herbicide applications completed</li> <li>Measurement field audits completed by Field Coordinator and technical representatives</li> <li>3 Contract and specifications finalized for paired-plot sampling</li> <li>PSP data acquired from Weyerhaeuser and Weldwood</li> <li>Fieldwork completed</li> <li>4 Letter of Agreement signed by all parties (NFC, LFD, FGYA)</li> <li>Assistant analyst recruited; data editing and compilation commenced</li> <li>Status and ELC assessments completed for Teepee Pole , Mackay, and Swan Lake trials</li> <li>5 Technical methodology formulated by joint government-industry team</li> <li>Preliminary data acquired; commitments received for additional data</li> <li>Analysis commenced by LFD</li> <li>6 ARC report review completed and distributed to Technical Committee</li> </ul>	
<b>Shortfalls</b>	
<ul style="list-style-type: none"> <li>Funds for Project 3 fieldwork contract not obtained from members / FRIAA</li> <li>Final data not submitted by contractor for Project 3 paired-plot samples</li> <li>No re-measurement work commenced on historical research trials (Project 4)</li> <li>Response to review and final report not received from ARC (Project 6)</li> </ul>	
<b>Tasks for next quarter</b>	
<ul style="list-style-type: none"> <li>Procure outstanding funds for Project 3 (SIC)</li> <li>Draft annual work plan for 2003-04</li> <li>Schedule annual meeting</li> <li>Compilation and analysis of site index data (Projects 2 and 3)</li> <li>Exploratory spatial analysis of Project 2 stem-map data (TASS simulations by BCMinFor)</li> <li>Ensure submission (by December 1), checking and correction (by December 31) of Project 2 data</li> <li>Prepare and submit herbicide treatment report to LFD (Project 2)</li> <li>Participate in work planning and review of initial data assessment for Project 4 (HRT)</li> <li>Participate in review and technical direction of Project 5 (RYE)</li> <li>Publish final ARC report and develop proposal for follow-up (Project 6 – NDM)</li> </ul>	