

**Forest Resource Improvement Association of Alberta
Forest Resource Improvement Program**

**Foothills Growth and Yield Association
(FRIAA Project FOOMOD-01-01)**

Annual Report

April 1, 2004 – March 31, 2005

Prepared by:

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April 22, 2005



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Introduction and Background

The Foothills Growth and Yield Association (FGYA) was formed in 2000 to improve the assessment of lodgepole pine growth and yield in managed stands, as a basis for enhancing the sustained yield and management of Alberta's lodgepole pine forests. Nine companies participate as voting members. The Land and Forest Division (LFD) of Alberta Sustainable Resource Development (ASRD), and the Foothills Model Forest (FtMF) are non-voting members, with the FtMF acting as the coordinating agency.

The Foothills Model Forest, acting as applicant on behalf of the 9 sponsoring members, submitted a proposal to the Forest Resource Improvement Association of Alberta (FRIAA) in July 2000. A contract was issued (FOOMOD-01-01 – *Foothills Growth and Yield Association*) on July 25, 2000, facilitating use of FRIP (Forest Resource Improvement Program) funds to cover membership costs and specified project activities. The original proposal and contract had an initial term of 2 years, and were amended in September 2001, extending the term to 5 years (April 1, 2000 to March 31, 2005).

Activities approved for support under Project FOOMOD-01-01 were:

- Sub-project 1: Development and management of the Association, including project planning, management, field co-ordination, analysis and reporting.
- Sub-project 2: Lodgepole pine regeneration trial. The sponsoring partners undertake scheduled fieldwork, and under the terms of the Project acceptance may be reimbursed with FRIP funds subject to approval of individual supplementary applications to FRIAA.

The FGYA received FRIAA approvals for funding of two additional projects: FOOMOD-01-02 (*Measurement and Maintenance of Historic Research Trials*), and OF-02-16 (*Enhanced Management of Lodgepole Pine*). These are reported separately, as noted below.

The Association's Steering Committee approved a 5-year business plan in 2002. The plan identified 6 projects to be undertaken during the period April 1, 2002 – March 31, 2007, and was updated in 2003. An annual work plan was prepared for the period April 1, 2004 – March 31, 2005, and was approved by the Steering Committee and the FtMF Board of Directors. These two documents were the basis for the 2003-04 work program reported below.

The Foothills Growth and Yield Association (FGYA) was active in the following 6 projects during the fiscal year 2004-05 (April 1 2004 – March 31, 2005).

1. Development and management of the Association (FRIAA¹ Project *Foothills Growth and Yield Association*, # FOOMOD-01-01, Sub-Project 1); this Project includes management of the 5 other Projects listed below;
2. Lodgepole pine regeneration (FRIAA Project # FOOMOD-01-01, Sub-Project 2);
3. Comparison of pre-harvest and post-harvest stand development (also conducted under the auspices of Project # FOOMOD-01-01, as an extension of Sub-Project 2);
4. Cooperative management of historic research trials (FRIAA Project *Measurement and Maintenance of Historic Research Trials*, # FOOMOD-01-02);
5. Regional yield estimators;
6. Enhanced management of lodgepole pine (FRIAA Project # OF-02-16) – based on Sub-Project 3 as originally identified in the original FOOMOD-01-01 proposal.

¹ Forest Resource Improvement Association of Alberta

1. Development and Management of the Association

1.1. Income and Expenditures

Table 1 shows income and expenditures for Project 1. The budgeted amount is that shown in the business and work plan for 2004. The actual amounts are as of March 31, 2005. An ASRD grant of \$10,000 that was carried forward from the prior year (see Table 2) is not included in Table 1. (This amount is dedicated to Project 4, and is expected to be spent in 2005.) An expenditure of approximately \$439, incurred under “meetings and tours” on March 16, 2005, is also not included because it has not yet been invoiced.

Table 1. Summary of Income and Expenditures for 2005-06 – Sub-Project 1

Income / Expenditure	Budget	Actual (to Mar 31)
Income		
Prior year balance forward	108,725	110,071
Membership fees - FRIP (FRIAA contract)	105,000	94,500
Membership fees - FRIP (member direct)	15,000	15,000
Membership fees - non-FRIP	15,000	15,000
Total income	243,725	234,571
Expenditures		
Director (contract including GST + expenses)	84,620	78,179
Field Coordinator (contract including GST)	53,500	42,560
Other contract services	5,000	0
Travel & field expenses (Field Coordinator)	6,280	4,265
Meetings and tours	7,300	461
Contingency and miscellaneous	8,795	935
Total expenses	165,495	126,400
Ending Balance	78,230	108,171

Costs reported do not include the following in-kind contributions by members and collaborating agencies:

- Foothills Model Forest (FtMF) administrative, website-maintenance, and financial services;
- Data management services provided by the FtMF GIS Coordinator for Project 2 (estimated for 2004-5 at 24 days, value \$12,000);
- Participation on technical, steering and project committees;
- Attendance of meetings;
- Review of minutes, reports, proposals, experimental designs and scientific papers.

Details of expenditures made during the fiscal year are included in Appendix 1.

Consistent with the Business Plan and payments in previous years, 1 sponsoring member (Blue Ridge Lumber) elected to pay its membership fee directly from non-FRIP sources, 1 member (ANC Timber) paid directly but utilized FRIP monies, and the 7 remaining members requested transfer of FRIP funds to the FtMF by FRIAA.

Table 2 shows total income and expenditures for the project from its inception until March 31, 2005.

Table 2. Total Income and Expenditures for Sub-Project 1

PAYMENTS RECEIVED			EXPENDITURES	
TO-DATE			QUARTERLY TOTALS	
\$	487,907.00	FRIAA	2000/2001	
	10,000.00	AB SRD grant	<i>First Quarter</i>	20,534.10
	146,593.00	Non-FRIAA	<i>Second Quarter</i>	17,373.54
	1,013.60	Reimbursements	<i>Third Quarter</i>	21,771.17
	216,105.75	FtMF Contract	<i>Fourth Quarter</i>	30,464.76
	<u>861,619.35</u>		Mar 2001 TOTAL	<u>90,143.57</u>
TOTAL EXPENSES TO DATE			2001/2002	
\$	<u>\$743,449.09</u>		<i>First Quarter</i>	18,131.38
			<i>Second Quarter</i>	32,092.36
			<i>Third Quarter</i>	32,044.86
	<u>\$118,170.26</u>	Balance to date	<i>Fourth Quarter</i>	60,285.34
			Mar 2002 TOTAL	<u>142,553.94</u>
			2002/2003	
			<i>First Quarter</i>	32,505.64
			<i>Second Quarter</i>	78,453.24
			<i>Third Quarter</i>	68,705.21
			<i>Fourth Quarter</i>	48,828.87
			Mar 2003 TOTAL	<u>228,492.96</u>
			2003/2004	
			<i>First Quarter</i>	29,552.74
			<i>Second Quarter</i>	41,897.40
			<i>Third Quarter</i>	34,876.92
			<i>Fourth Quarter</i>	49,531.12
			Mar 2004 TOTAL	<u>155,858.18</u>
			2004/2005	
			<i>First Quarter</i>	32,203.63
			<i>Second Quarter</i>	32,656.47
			<i>Third Quarter</i>	21,482.70
			<i>Fourth Quarter</i>	40,057.64
			Mar 2005 TOTAL	<u>126,400.44</u>

1.2. Achievements and Shortfalls

Table 3 summarizes achievements and shortfalls in development and management of the Association relative to deliverables planned for the year.

The Field Coordinator resigned effective March 31, 2005. His availability for FGYA work was limited during the last 4 months of the year. (A strategy for his replacement is addressed in the 2005 business and work plan.)

Table 3. Achievements and Shortfalls – Sub-Project 1

Deliverable	Achievements / Shortfalls
Business, work and financial planning	- 2005 work plan approved by FtMF Board - 5-year business and work plan prepared, and approved by Steering Committee subject to amendments (see Appendix 2)
Project plans, designs, reports, publications	- See Projects 2, 3, 4,5, 6
Educational meetings / technical sessions	- Database training workshop (January, Hinton) - CIF/SAF convention (October, Edmonton): presentation, poster, and hosting of tour stop - Public presentation (FtMF AGM, June, Edmonton) - No general technical session or field tour
Steering and technical committee meetings (TCM and SCM)	- SCM minutes - March 11, 2004 and March 16, 2005 (see Appendix 2) - TCM (Jan. 2005, Hinton), documented recommendations - SCM (March 2005)
Cooperative arrangements – liaison with external agencies	- CFS/ASRD ongoing (see Project 4) - Agreement with U of A (pending) - other Alberta G&Y associations, AFGRC (see Project 3) - B.C. Ministry of Forests (provided expert advice on Project 6 experimental design)
Active web site ²	- Added during year: 1 map, 1 technical report, 2 <i>quicknotes</i> , 1 annual report, plus news items
Progress and financial reports	- Consolidated annual report (2003-04) - Monthly financial statements provided by FtMF - Quarterly progress reports (see Appendix 3) - Preliminary annual report (2004-05) - Pending: consolidated annual (2004-05) and 5-year (final) report for FRIAA (Project # FOOMOD-01-01)
Staffing and contract assignments	- Field Coordinator resigned and not replaced

No FGYA general technical session or field tour was held in 2004-05 for 2 reasons:

1. The FGYA participated significantly in the Joint Annual General Meeting and Convention of the Canadian Institute of Forestry and Society of American Foresters (October 2-6 Edmonton) by presenting a paper and poster and hosting a growth and yield tour stop.
2. Consistent with direction from the Steering Committee, the Director in the Fall of 2004 made recommendations for a major conference on post-harvest stand development the following year. It was decided to conserve resources for this conference, on the assumption that (a) it would be held in the Fall of 2005 and (b) the FGYA may have to contribute funding.

Subsequent planning with other conference sponsors has determined that (a) the conference will not be held until January 2006 and (b) it will be financed by the FRIAA Open Funds program. Consequently and as directed by the Steering Committee on March 16, 2005, the FGYA has now scheduled a technical session and tour for June 7-8, 2005.

² www.fmf.ca/pa_FGYA.html

2. Lodgepole Pine Regeneration

2.1. Income and Expenditures

Costs of treatments and field measurements were incurred directly by the member companies, and not reported to the FGYA Director. Inputs by the FGYA Director and Field Coordinator are accounted for under Project 1 - *Development and Management of the Association* (see Table 1). The data management services of the FtMF GIS Coordinator were provided at no direct cost to the FGYA as an in-kind contribution.

2.2. Achievements and Shortfalls

Table 4 summarizes achievements and shortfalls for Project 2 – *Lodgepole Pine Regeneration*

Table 4. Achievements and Shortfalls – Sub-Project 2

Deliverable	Achievements / Shortfalls
Treatments - weeding	Of 37 treatment plots identified as possibly requiring weeding, 26 were checked as O.K., 11 were confirmed, 10 were sprayed, 1 was re-scheduled for spring manual weeding
Treatments - fill-in planting	20 treatment plots were scheduled for treatment; 21 plots were actually fill-planted following field checking
Full measurements (size, growth, stocking, density, competition, health, vigor, photos.)	All 86 scheduled installations completed (including 12 originally scheduled for 2003)
Check measurements (vigor, health, photos)	All 28 scheduled installations completed
Field audits	8 installations formally audited
Verification reports	Completed and distributed to members April 13, 2005
Digital database	Annual loading and updating completed
Crop performance report	Delayed and re-scheduled for June 30, 2005 (previously scheduled March 31, 2005)

Table 5 shows the numbers of installations and treatment plots measured and weeded respectively in 2004, broken down by forest management area (FMA).

Field data have been loaded into the database, but problems were encountered with fragmented measurements and the correct assignment of growing season and measurement numbers. The problems were assessed and rectified but availability of the database for analytical use was delayed from December 31, 2004 to March 23, 2005. As a result, completion of the crop performance assessment and report is re-scheduled for June 30, 2005. Verification reports were completed and distributed to members April 13, 2005, having been delayed by the limited availability of the Field Coordinator.

Table 5. Measurements and Treatments Completed in 2004 – Sub-Project 2

FMA	# Installations Measured ³		# of Treatment Plots Weeded
	Full	Check	
Alberta Newsprint	6	0	0 ⁴
Blue Ridge Lumber	6	0	2
Canfor	6	0	0
Hinton Wood Products	22	12	2
Millar Western	6	0	0
Spray Lakes	6	0	0
Sundance	6	0	0
Sundre Forest Products	0	14	0
Weyerhaeuser D.V.	6	0	6
Weyerhaeuser Edson	6	0	0
Weyerhaeuser G.P.	16	2	0
Total	86	28	10

3. Comparison of Pre-harvest and Post-harvest Stand Development

3.1. Income and Expenditures

Inputs for the project during this fiscal year (primarily the Director's time) were covered under Project 1 – *Development and Management of the Association*.

3.2. Achievements and Shortfalls

Following completion of a final technical report for the original site index study (February 2004), some further analyses and simulations were conducted, and a scientific paper was submitted and accepted for presentation at the CIF/SAF conference held in October 2004. The paper *Enhanced Fibre Production and Management of Lodgepole Pine* was published in the conference proceedings, and is also available for downloading from the FGYA website. (The PowerPoint presentation made at the conference is also available to members on request.)

One of the study conclusions was that enhanced management of post-harvest lodgepole pine stands requires improved integration of knowledge from a number of disciplines. The FGYA and FtMF, in conjunction with the Alberta Forest Genetic Resources Council (AFGRC) submitted a successful proposal to the FRIAA Open Funds Program for a conference on post-harvest stand development to be held January 31 – February 1, 2006. The conference theme will be integration of knowledge from the disciplines of genetics, silviculture and forest health into the prediction of stand development, growth and yield following harvesting. \$55,000 of FRIP funding was secured to support of the conference.

Other recommendations for follow-up to the original study were developed, reviewed by the Technical Committee and are included in the 2005 business and work plan.

³ Each installation contains 4 measurement plots

⁴ 1 treatment plot missed and re-scheduled for manual treatment in Spring of 2005

4. Cooperative Management of Historic Research Trials

The Project *Measurement and Maintenance of Historic Research Trials* (FRIAA Project # FOOMOD-01-02) covers the FGYA inputs for this project, and is reported separately.

5. Regional Yield Estimators

5.1. Income and Expenditures

Cost incurred in the provision of sample plot data (FGYA members) and analyses of data (ASRD) are not included in the FGYA budget. No direct revenues or expenditures are currently scheduled for this project.

5.2. Achievements and Shortfalls

ASRD has experienced a series of difficulties in undertaking the analysis, and as a result the deliverables have been rescheduled. The analysis and report are now scheduled for completion by December 31, 2005. These items were not identified as deliverables in the proposal or subsequent amendments to FOOMOD-01-01.

6. Enhanced Management of Lodgepole Pine

This project, based on the findings of Sub-Project 3 of FOOMOD-01-01, was approved for funding under FRIAA Project # OF-02-16, and is reported separately.

APPENDIX 1. Detailed Expenditure Report for 2004-05

<u>Date</u>	<u>Vendor</u>	<u>Description</u>	<u>Amount</u>	<u>GST</u>	<u>Total</u>
Apr 30/04	McPherson Creek	Time and expenses	2,400.00	168.00	2,568.00
Apr 30/04	Dick Dempster	Time and expenses	5,756.52	385.88	6,142.40
May 12/04	Purolator	freight signs	63.70	4.46	68.16
May 31/04	McPherson Creek	Time and expenses	6,200.00	434.00	6,634.00
May 26/04	Ikon Office	copying charges	15.17		15.17
May 31/04	Dick Dempster	Time and expenses	4,637.50	324.63	4,962.13
Jun 30/04	McPherson Creek	Time and expenses	6,552.00	458.64	7,010.64
Jun 30/04	Dick Dempster	Time and expenses	4,424.01	281.75	4,705.76
Apr 26/04	Prov. Treas. HTC	meeting expenses	91.00	6.37	97.37
July 31/04	Dick Dempster	Time and expenses	2,625.00	183.75	2,808.75
July 31/04	McPherson Creek	Time and expenses	5,343.22	374.03	5,717.25
Aug 31/04	McPherson Creek	Time and expenses	7,422.50	519.58	7,942.08
Aug 31/04	Dick Dempster	Time and expenses	4,725.00	330.75	5,055.75
Aug 16/04	Ikon Office	copying charges	1.44		1.44
Sept 30/04	McPherson Creek	Time and expenses	4,051.00	283.57	4,334.57
Sept 30/04	Dick Dempster	Time and expenses	6,380.13	416.50	6,796.63
Oct 8/04	RED Com.	bus. cards	479.31	33.55	512.86
Oct 21/04	Coast Paper	stationery	207.29	14.51	221.80
Oct 31/04	McPherson Creek	Time and expenses	5,543.00	388.01	5,931.01
Oct 21/04	Purolator	freight - Coast paper	28.14	1.97	30.11
Oct 31/04	Dick Dempster	Time and expenses	4,044.43	220.50	4,264.93
Nov 30/04	McPherson Creek	Time and expenses	500.00	35.00	535.00
Nov 30/04	Dick Dempster	Time and expenses	2,100.00	147.00	2,247.00
Dec 31/04	Dick Dempster	Time and expenses	7,323.49	416.50	7,739.99
Jan 13/05	Artland Gallery	advertising	80.09	5.61	85.70
Jan 31/05	McPherson Creek	Time and expenses	3,250.00	227.50	3,477.50
Jan 31/05	Dick Dempster	Time and expenses	10,198.01	661.50	10,859.51
Jan 20/05	Prov. Treas. HTC	meeting expenses	340.00	23.80	363.80
Feb 28/05	Dick Dempster	Time and expenses	7,437.50	520.63	7,958.13
Mar 31/05	McPherson Creek	Time and expenses	2,500.00	175.00	2,675.00
Mar 31/05	Dick Dempster	Time and expenses	13,688.62	949.38	14,638.00
TOTALS			118,408.07	7,992.37	126,400.44

APPENDIX 2. Minutes of Steering Committee Meeting - March 16, 2005

Foothills Growth and Yield Association Minutes of Steering Committee Meeting

March 16, 2005

Crown Plaza – Chateau Lacombe

Edmonton

Attendees

Christian Weik	Darren Lapp*	Melonie Hessler*	Bob Held*
Daryl Price	Dick Dempster	Jim Beck	Jonathan Russell*
Greg Branton*	Pat Golec*	Ed Kulcsar*	Jim Lelacheur
Hugh Lougheed*			

* Voting member representatives

Introduction

Hugh Lougheed called meeting to order at 13:15. Introductory remarks: welcomed participants; made round table introductions; noted relevance of forest policy initiatives during the last year (such as yield-linked regeneration standards) to FGYA, and encouraged members to consider implications to project development.

Review of Minutes and Action Items from Meeting of March 11, 2004

Motion to accept March 11, 2004 minutes:

Moved by Ed Kulcsar

Seconded by Bob Held

Carried

Review of action items

- Business Plan:
 - Project 6 name changed for consistency with FRIAA title;
 - Project 6 costs corrected and clarified;
 - New rolling 5-year plan developed.
- Annual Work Plan:
 - Project 1 – recommendations for conference submitted September 27, resulted in successful application for FRIAA funding to support interdisciplinary conference on post-harvest stand development;

- Project 3 – paper accepted, presented and published;
- Project 4 – “field guide” rejected in favor of a compendium information report on all trials, plus 1 or more peer-reviewed scientific papers including interpretation of results.

Director’s Report

Dick Dempster tabled report entitled “Preliminary Annual Report April 1, 2004 – March 31, 2005”. Explained that report would be consolidated following fiscal year end (March 31) and consolidated version would include any corrections or clarifications required by Committee together with final financial and progress statements. Presented highlights for discussion.

Action: (Project 2) Ed Kulcsar and Dick to review mortality and damage statistics resulting from feral horse browsing of Spray Lake regeneration installations, and determine whether severely damaged plots should be retained or replaced.

Action: (Project 4) Christian Weik to provide time and cost estimate for developing minimum map data required for protective notation of unregistered CFS historic research trials. Christian and Dick to determine course of action to expedite the work. Members are willing to provide assistance of FMA land-use personnel.

Action: (Project 5) Daryl Price and ASRD analytical team should take opportunity afforded by delay in analysis to consider incorporating changes relevant to recent initiatives e.g. SSRS yield class stratification.

Motion to accept Annual Report:

Moved by Pat Golec

Seconded by Greg Branton

Carried

Business Plan, Work Program, and Project Contribution Levels

Dick tabled document entitled “Business and Work Plan April 2005 – March 2010”. Noted that the requirement for a rolling 5-year plan provided the opportunity for consolidating business and annual work plans. Highlighted main changes, updates and new proposals for discussion.

Growth and Yield Round Table (Section 3.5)

Committee recognized value of sharing ideas and information, and coordinating effort to avoid overlap, but participation by the FGYA should be focused on specific FGYA requirements. Leadership by the FGYA would not be appropriate, and some members felt this should more appropriately come from ASRD.

Action: Dick to write letter to Doug Sklar indicating FGYA concern over coordination of research efforts in growth and yield, and enquiring about ASRD position, opinions, and / or plans for ensuring that required research and development is undertaken without unnecessary overlap or delay. Depending on Doug’s response, also follow up with Bob Fessenden.

Research and Development Associate (Section 3.3.5) and Project 1 financing (Table 7)

Motion to accept financial option B (R&D Associate funded internally) amended to increase Associate salary to maximum of \$60,000 per year plus overhead.

Moved by Jonathan Russell

Seconded by Darren Lapp

Carried

Action: Christian Weik to confirm availability of office space at FtMF Hinton, and identify applicable salary overheads (for full employee and contract status).

Action: Hugh (or designate) plus a representative from Technical Committee to assist Dick in interviewing and selection of candidates (other members are available and willing to assist).

Renewal of FRIAA “umbrella” Project (FRIAA Project # FOOMOD -01-01)

Motion to approve the submission of a proposal to FRIAA for renewing Project FOOMOD-01-01 consistent with Sections 5.1 and 5.2 of the Business Plan (including amended option B as above).

Moved by Greg Branton

Seconded by Bob Held

Carried

Other plan amendments

Action: Dick to insert FRIAA project numbers and durations into Table 12 as requested by Jonathan.

Motion to accept business and work plan subject to changes discussed and noted.

Moved by Ed Kulcsar

Seconded by Darren Lapp

Authorizations Required for Project Administration and Funding

Form letters to FRIAA indicating intent to sponsor second five-year FGYA program, and agreeing to a first-year membership fee of \$15,000, were completed and signed by all voting representatives present.

Document allocating 2005 costs for FRIAA Project FOOMOD-01-02 (Historic Research Trials) was completed and signed by all voting representatives present.

Action: Dick to obtain authorizations and signatures from Blue Ridge Lumber (not represented at meeting). The signed documents will be included in planning submissions to FRIAA, which will be copied to members prior to submission to FRIAA.

Assignments and Associations

University of Alberta

Collaborative research agreement proposed by U of A was circulated for discussion. The Committee identified need for a number changes:

- Agreement should be with the University itself;
- FGYA data shared with U of A remains property of FGYA;

- U of A does not acquire sole intellectual property rights of any product based on FGYA data;
- Rights of the FGYA to publish its data, or results based on its own data, are not encumbered by the U of A;
- Any data collected by the U of A under this agreement must be available for submission to the provincial government;
- Schedule B must include a reciprocal schedule by the U of A of what tasks it will undertake and what products it will deliver.

The Committee agrees in principal to execution of the Agreement, but requires feedback and amendment based on the U of A's response to the above before authorizing the Chairman and Director to sign the agreement.

Action: Dick and / or Hugh to convey the Committee's requirements to the U of A, seek amendment to the agreement, and report back to the Committee.

Director

The Committee approved amendment of the Director's contract to apply for period April 1, 2005 to March 31, 2007.

Action: Christian to arrange for contract extension with Foothills Model Forest.

Other Staff

Assignments to proceed as per amended business and work plan, and as per motion and actions pertaining to R&D Associate.

Other Business

Technical Session, Dinner and Field Tour

Results of general interest to members from Project 2 (Lodgepole Pine Research Trial) and Project 4 (Historic Research Trials) are expected to be available within 3 months. The FGYA was unable to honor the retirement of Bob Udell at the present meeting because of his being out of the country. The proposed conference for next year will be externally funded and held January 31 – February 1, 2006. The Committee proposed a 1½ day session involving afternoon presentations on projects, a dinner, and a field tour the following day encompassing Projects 2 and 4, to be held during either of the following periods: June 7-9 (preferred) or May 31- June 3, 2005

Action: Dick to check availabilities of Jim Stewart and Bob Udell, make preliminary arrangements, and report back to members. Bob Held will assist in identifying accommodation and field venues in the Rocky Mountain House or Sundre areas.

Meeting was adjourned at 4:55 p.m.

APPENDIX 3. Quarterly Progress Reports**Quarterly Progress Report # 1**

Reporting period: April 1 – June 30, 2004			
Total reimbursable hours:	Quarter 162 64 236	Year to date 162 64 236	Director (program management and miscellaneous) Director (Project 6 design and analysis) Field Coordinator
Activities:			
Review feedback from annual meeting participants Participate in FtMF annual general meeting CIF/SAF paper and poster session preparation Update manual and protocols for RLP (Project 2) Contractor training, orientation and audits (Project 2) Historic trails management (Project 4) Identification of candidate stands for NDM (Project 6) and development of reconnaissance protocols and selection criteria			
Achievements by project:			
1 Abstract for poster presentation submitted and accepted (CIF/SAF convention) 2 Supplementary field manual completed; contractors briefed and trained 4 Interpretive signage completed; erected for Gregg and Mackay trials; control plots installed for Gregg trial; contract prepared for this years fieldwork 6 Candidate stand database developed; reconnaissance protocols developed and commenced; field tour and development of experimental selection criteria with U of A scientists			
Shortfalls:			
AGM feedback received from only 1 participant			
Tasks for next quarter:			
Quicknote release Continue CIF/SAF paper and poster session preparation Supervision and audit of field measurements and treatments (Project 2) Signage installation and maintenance (Project 4, Teepee Pole and Swan Lake trials) Field measurements of historic research trials (Project 4) Completion and analysis of stand reconnaissance; stand selection; commence sample plot measurement (Project 6) Consultations with U of A regarding design and involvement in Project 6			

Quarterly Progress Report # 2

Reporting period: July 1 – September 30, 2004			
Total	Quarter	Year to date	
reimbursable	152	314	Director (program management and miscellaneous)
hours:	17	81	Director (Project 6 design and analysis)
	258	494	Field Coordinator
Activities:			
Preparations for CIF/SAF poster session, tour and paper (Projects 1 and 3)			
Proposal development: stand development conference (AFRI and FRIAA)			
Supervision and audit of field measurements and treatments (Project 2)			
Signage installation and maintenance (Project 4)			
Supervise field measurements of historic research trials (Project 4)			
Stand reconnaissance and selection (Project 6)			
Consultations with U of A regarding design and involvement in Project 6			
Achievements by project:			
1	Presentation, poster, and field tour preparation completed for CIF/SAF conference		
2	Field measurements and fill-in completed (subject to audit and verification). 2.5 ha herbicided (of 9.25 ha scheduled)		
3	Scientific paper completed on project results		
4	Demarcation installed for 8 CFS trials; interpretive signage for 2 (Teepee Pole and Swan Lake)		
6	Candidate stand lists filtered; initial reconnaissance results reviewed		
Shortfalls by project:			
1	No Quicknote prepared		
2	7 ha of plots scheduled for herbicide cancelled and deferred for inspection and / or treatment next year		
6	Reconnaissance incomplete, detailed sampling not commenced		
Tasks for next quarter:			
CIF/SAF poster session, paper presentation, conference attendance, field tour (Project 1)			
Submit joint proposal for stand development conference to FRIAA			
Audits and data deliveries (Projects 2 and 4)			
Data loading and database enhancements (project 2)			
Protective notation for CFS trials (Project 4)			
Annual work plan development (2005-06)			
Planning for annual technical and steering committee meetings			
Design review and options development (Project 6)			

Quarterly Progress Report # 3

Reporting period: October 1 – December 31, 2004			
Total reimbursable hours:	Quarter 128 44 82	Year to date 442 125 576	Director (program management and miscellaneous) Director (Project 6 design and analysis) Field Coordinator
Activities:			
CIF/SAF poster session, paper presentation, conference attendance, field tour (Project 1) Stand development conference planning; consultations with partners; proposal development Audits and data deliveries (Projects 2 and 4) Annual work plan development (Project 1); work planning meetings (Projects 2, 4) Planning for technical and steering committee meetings Attendance B.C. stand density workshop (input for Project 6) Design review and options development (Project 6)			
Achievements by project:			
1 Annual work plan prepared and submitted to FtMF; joint proposal submitted to FRIAA and approved for post-harvest stand development conference 2 Audits completed 3 Paper published on FtMF website and submitted for SAF/CIF conference proceedings 4 Measurements completed, audited, and submitted to CFS; re-measurement schedule identified for 2005; CFS internship approved for analysis and synthesis 6 Reconnaissance completed			
Shortfalls by project:			
1 No quicknote published 2 Data entry and database enhancements incomplete; fill-planting operations not verified 4 Protective notation for CFS trials not obtained; no synthesis of results completed by CFS; data checking not completed by CFS 5 No prototype models received for testing from ASRD 6 Design review not completed and detailed sampling / foliage collection not started			
Tasks for next quarter by project:			
1 Annual technical and steering committee meetings; annual report; business plan development and finalization of annual work plan; recruitment of field coordinator / R&D assistant; formalize collaboration agreement with U of A 2 Complete data entry and database enhancement; database training workshop and analysis; verification reports for 2004 fieldwork; crop performance report; field schedule for 2005 3 Planning for post-harvest stand development conference 4 Data compilation; publication of series of 3 quicknotes on trials; annual report and work plan; protective notation 5 Obtain decision on testing and application of estimators developed by ASRD 6 Options paper and peer review; commence detailed stand and foliage assessment; detailed design; annual report and work plan for 2005-06			

Quarterly Progress Report # 4 (Projected)

Reporting period: January 1 – March 31, 2005			
Total	Quarter	Year to date	
reimbursable	358	800	Director (program management and miscellaneous)
hours:	35	160	Director (Project 6 design and analysis)
	100	676	Field Coordinator
Activities:			
Preparation for and participation in technical and steering committee meetings			
Business and work plan development			
Search for field coordination and R&D support services and funding			
Fieldwork scheduling for 2005 (Project 2)			
Database problem assessment and rectification, data entry, verification reporting (Project 2)			
Liaison with collaborating agencies (Projects 3, 4, 6)			
Analysis and detailed project design (Project 6)			
Achievements by project:			
1	Technical and steering committee meetings held; preliminary annual report accepted; business and work plan approved; options for recruiting R&D Associate identified, preferred option selected and approved by Steering Committee, position advertised; candidate field coordination services identified		
2	Database problems assessed and rectified; data entry completed; verification reports completed for 2004 fieldwork; measurements scheduled for 2005; database training workshop held		
3	Program committee convened, outline prepared, and keynote speakers secured for post-harvest stand development conference		
4	Annual report and work plan completed; 2 quicknotes published; CFS synthesis manuscript drafted; intern retained by CFS for preparation of trial compendium report		
6	Annual report and work plan completed; detailed design drafted		
Shortfalls by project:			
1	No general technical session held; no field coordinator recruited		
2	Crop performance analysis and report not completed; treatment schedule not completed for 2005; main field manual not updated		
4	CFS synthesis and information report not completed; protective notation not complete for all trials		
5	ASRD analysis, model development and report rescheduled for Fall of 2005		
6	Detailed design not submitted; completion of baseline assessment delayed until May 31		
Tasks for next quarter by project:			
1	Consolidated annual report; joint steering and technical committee session; final report for FRIAA Project FOOMOD-01-01; renewal project for 5-year term; search for R&D candidate		
2	Complete crop performance report; finalize measurement and treatment schedules and procedures		
3	Continue planning for PHSD conference		
4	Plan and contract fieldwork		
6	Complete and submit detailed design; complete baseline assessments (sub-project 1) and stand selections (sub-project 2)		