

Foothills Growth and Yield Association

(FRIAA Project FOOMOD-01-01)

Annual Report

2002-03

Prepared by:

W.R. Dempster Ph.D., R.P.F.

Foothills Model Forest
P.O. Box 6330
Hinton, Alberta
T7V 1X6

April 30, 2003

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1. 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 (FMF) are non-voting members, with the FMF 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 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).

At the Association's Annual Steering Committee Meeting held on March 7, 2002, the Committee reviewed, endorsed and accepted a draft 5-year business plan, subject to amendments recorded in the meeting minutes. The Committee also approved the first year of the business plan as the Annual Work Plan for the fiscal year 2002-03.

2. Income and Expenditures

Table 1 summarizes direct income and expenditures of the FGYA from its inception in 2000 to March 31, 2003. Total payments received are summarized by source, and total expenditures are indicated by quarter and fiscal year. Details are contained in Appendix 1.

Table 2 shows budgeted and actual income and expenditures for the 2002-03 fiscal year (April 1, 2002 – March 31, 2003). The budgeted amounts are those in the Business Plan and approved by the Steering Committee in March 2002.

The following points are noted regarding income in 2002-03:

- The actual starting balance was higher than budgeted, mainly because some contract deliverables were carried over from the previous year and completed in 2002.
- All membership fees were paid (9 members each paid \$15,000). Eight members utilized FRIP funds.
- Additional funding of \$60,000 was budgeted and authorized for Project 3 (comparison of pre-harvest and post-harvest site index) fieldwork. \$16,593 has already been paid to the FMF. The remainder (\$43,407), which was designated for transfer of FRIP funds by FRIAA under FRIAA Project FOOMOD-01-01, will be payable by FRIAA to the FMF on confirmation of work completion and expenditures, as contained in this report.
- An unbudgeted \$10,000 grant was made by Alberta Sustainable Resource Development (ASRD) to be carried over for publication of the synthesis of historical research trials being undertaken by the Canadian Forest Service (CFS) in Project 4.

Table 1. Total income and expenditures of the Foothills Growth and Yield Association

PAYMENTS RECEIVED TO-DATE			EXPENSES <i>QUARTERLY TOTALS</i>	
\$	245,000.00	FRIAA	2000/2001	
	10,000.00	ASRD grant	<i>First Quarter</i>	20,534.10
	86,593.00	Non-FRIAA	<i>Second Quarter</i>	17,373.54
	216,105.75	FMF Contract	<i>Third Quarter</i>	21,771.17
	<u>557,698.75</u>		<i>Fourth Quarter</i>	<u>30,464.76</u>
			Mar 2001 TOTAL	<u>90,143.57</u>
EXPENSES TO DATE			2001/2002	
\$	<u>\$461,190.47</u>		<i>First Quarter</i>	18,131.38
			<i>Second Quarter</i>	32,092.36
			<i>Third Quarter</i>	32,044.86
			<i>Fourth Quarter</i>	<u>60,285.34</u>
			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>	<u>48,828.87</u>
			Mar 2003 TOTAL	<u>228,492.96</u>

Table 2. Income and expenditures for 2002-03

Income / Expenditure	Budget	Actual
Income		
Balance from 2001	82,851	93,408
Membership fees - FRIP (FRIAA contract)	105,000	105,000
Membership fees - FRIP (member direct)	15,000	15,000
Membership fees - non-FRIP	15,000	15,000
SIC Project contributions	60,000	16,593
HRT Project contribution (ASRD)		10,000
Other contribution (FMF)	70,000	70,000
Total income	347,851	325,001
Expenditures		
Director (fees)	70,000	76,181
Field Coordinator (fees)	50,000	55,105
Other contract services	65,000	64,870
Travel, field and incidental expenses	16,000	10,168
Meetings	7,300	3,746
Contingency and miscellaneous	7,415	3,677
GST	9,780	14,746
Total expenses	225,495	228,493
Balance	122,356	96,508

- The FMF, consistent with its prior commitment and the FGYA Business Plan and cash-flow projection, contributed \$70,000 to the program (in addition to in-kind services). This represents the final financial contribution scheduled by the FMF to facilitate start-up of the Association.

The following points are noted with respect to expenditures in Table 2:

- Time inputs by both the Director and the Field Coordinator exceeded those budgeted. The total expenditure under the Director's contract did not exceed the original authorization, because the additional time input was offset by savings on other expenses. An increase in the total contract authorization for the Field Contractor was recommended by the Director during the year and approved by the FMF, because of a higher than anticipated workload.
- Other contract services utilized were: Normko Resources (\$60,000 for site index comparison fieldwork), Deci-Con (\$665 for initial checking of historic research trials), and Alberta research Council (\$4,205 for completion of services outstanding from previous year).
- Field and travel expenditures were less than budgeted, primarily because of a reduction in the Director's expenses relative to previous years.
- Costs for meetings were less than budgeted mainly because (a) no formal field tour was held and (b) costs for holding the annual general meeting were less than in the previous year.
- Costs for establishment of one of the 102 field installations in Project 2 (regenerated lodgepole pine), were covered under the contingency budget. The Steering Committee approved this expenditure because the "orphan" installation was not sponsored by any individual member.

Tables 1 and 2 indicate an unadjusted balance as of March 31, 2003 of \$96,508, relative to a budgeted balance of \$122,356. However, the adjusted balance after (a) subtracting the unbudgeted ASRD contribution of \$10,000 and (b) adding the amount of \$43,407 now payable for completed Project 3 fieldwork, is \$129,915.

3. Activities

The main tasks undertaken by the Association and cooperating agencies during the year were:

1. Program development and management: technical direction, field coordination, project development, progress reporting, technical and annual general meetings.
2. Regenerated lodgepole pine project and field trial (RLP): planning, fieldwork, data management and analysis, reporting and forecasting.
3. Comparison of pre-harvest and post-harvest site index (SIC): planning, fieldwork, analysis, and reporting.
4. Co-operative management of historic research trials (HRT - collaborative project with CFS and ASRD): planning, compilation of data.
5. Development of regional yield estimators (RYE - collaborative project with ASRD): methodology development, data compilation, review and analysis.
6. New nutrition and density management trials (NDM - proposal development).

Activities of the Director are itemized in the appended quarterly activity reports (see Appendix 2).

Table 3. Project implementation progress

Project	Planned Outputs	Deliverables Scheduled 2002-03	Progress 2002-03
1. Association development (FOOMOD-01-01)	Self-sustaining co-operative organization.	Membership fees and project support.	5-year Business Plan amended, as approved by Steering Committee. Membership fees paid. Active project participation by technical representatives of member organizations. Work plan and budget approved for 2003-04.
	Research forums and field tours.	Annual meeting and technical forum.	Annual meeting and technical forum held February 26-27, 2003.
	Quick-notes, web bulletins.	2 Quick-Notes.	Quick-Note #1 published.
2. Regeneration trial (FOOMOD-01-01)	Long-term field installations for monitoring regeneration performance.	Complete installation and planting of trial. Measurements and treatments.	Establishment of all 102 planned installations completed. Scheduled measurements and treatments completed. Field audits completed. Establishment report completed.
	Prediction of growth and yield relative to site, spacing, ingress, mortality, competing vegetation, and density regulation.	Establishment report and initial forecasts.	Verification report for 2003 data entry completed. Establishment report, including initial forecasts.
3. Comparison of pre- and post-harvest site index (FOOMOD-01-01 extension)	Forecasts of post-harvest site index.	Technical report including forecasts based on paired-plot and PSP data.	Paired-plot field sampling, auditing, data entry, and compilation satisfactorily completed. PSP data (with pre- and post harvest SI measurements) acquired and compiled. Preliminary analysis completed and reported.
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 FGYA (including project plan and schedules).
	Analyses and management interpretations of long-term data on response to thinning and fertilization.	Arrangements in place. Procurement, compilation and editing of data.	Analysts assigned and recruited. Retrieval and editing of historic data completed. Compilation commenced. Report (PowerPoint) presented to membership by CFS.
	Field re-measurement	Deferred to 2003.	Proposals requested and received for fieldwork in 2003. FRIAA proposal prepared for trial measurement and maintenance, and approved by Steering Committee.
5. Development of regional yield estimators	Compatible yield and growth estimation techniques.	Estimation technique, prototype models, and technical report.	Scope and methodology formulated. Initial data acquired; additional data committed. Analysis commenced by LFD specialists. Preliminary report (PowerPoint) presented to membership.
6. Nutrition and density management studies	Needs assessment.	Expert report.	Report reviewed; final report submitted and published.
	Project initiation.	Project proposal.	Detailed proposal submitted to FRIAA .

4. Progress

4.1. *Project Implementation*

Table 3 itemizes progress and achievements for each of the 6 projects contained in the FGYA Business Plan, relative to deliverables scheduled for the year.

4.2. *Personnel Assignments*

Mr. Rand McPherson was re-assigned to the position of Field Coordinator for the contract term of April 1, 2002 – March 31, 2003. Dr. Dick Dempster was re-assigned to the position of Director for the same period. The Steering Committee on February 27, 2003, approved renewal of both positions for the 2003-04 fiscal year.

The Foothills Model forest provided additional support during 2002-03 by assignment of staff to Association tasks, including:

- Data base design and management, training, and data verification (GIS Coordinator);
- Contract administration and financial accounting and reporting;
- Internet web site.

4.3. *Dissemination of Information and Education of Members*

The Association, with assistance from the Foothills Model Forest, has taken the following steps to disseminate information during the past year:

- Annual report for Fiscal Year 2001-02 (distributed and web published).
- Regenerated lodgepole pine trial: field manual update, pre-season meeting of technical representatives and contractors, and establishment report (including yield forecasts for experimental treatments).
- Web publication of commissioned report: *Evaluating the Opportunities for Nutrition and Density Management of Fire Origin Lodgepole Pine in Alberta*.
- Distribution and web publication of *Quick-Note #1: Activity Update* (August 2002), and mid-year progress report (October 2002).
- Training workshop for use of Regenerated Lodgepole Pine Project database (January 2003).
- Annual meeting and technical forum (February 2003). The theme of the technical forum was: *Progress and Priorities in the Assessment of Lodgepole Pine Growth and Yield*. Researchers from the FGYA, CFS, LFD, and University of Alberta reported on progress. A senior panel consisting of government, industry and academic representatives reviewed priorities.
- Field visits, mentoring audits, and informal information exchanges with technical representatives and contractors.

4.4. *Work Planning and Budgeting*

The draft FGYA Business Plan presented at the March 2002 meeting was amended as directed by the Steering Committee. An annual work plan (2002-03) based on and consistent with the amended Business Plan was prepared, submitted to and approved by the FMF, and circulated to members.

Two project proposals were developed subsequent to approval of the Business Plan and 2002-03 work plan:

1. *Measurement and maintenance of historic research trials;*
2. *Enhanced management of lodgepole pine.*

The former was approved by the Steering Committee and will be submitted for FRIAA approval early in 2003-04. The latter was endorsed by all Association members and submitted for support through FRIAA's open funds program.

An annual work plan was drafted for the period April 1, 2003 – March 31, 2004, and approved by the Steering Committee and the FMF Board of Directors.

4.5. *Problems and Shortfalls*

Implementation problems and shortfalls relative to the Business Plan and 2002-03 Annual Work Plan are listed below.

1. Data entry, verification, editing and compilation have taken longer than planned for most projects (Projects 2, 3, 4 and 5), and a number of related technical problems have been encountered.. In order to address these issues the Steering Committee has requested the Technical Committee to work with the FMF during the coming year to develop an a long-term data management plan and strategy.
2. Only one (of two scheduled) Quick-Notes have been published.
3. Analysis and reporting of the data assembled for Project 3 is not complete. This is in part because preliminary analysis has indicated very significant and important results, requiring and justifying more detailed analysis. A preliminary report was completed, presented at the annual meeting in February, and included in the Project 2 establishment report. A more detailed technical report of results is in preparation. However, rather than further develop this for publication as a stand-alone scientific paper as originally planned, it is proposed to combine the findings with those of the LFD and Weldwood, to produce a more comprehensive and authoritative co-authored paper for peer-review and publication.
4. Re-measurement and maintenance of historic research trials (Project 4) were not commenced in 2002 (a proposal had been submitted for initiating the work in 2003). A synthesis by the CFS of existing data is not expected to be completed until late 2003.
5. The development of regional yield estimators is not complete (Project 5). The Land and Forest Division (LFD) analytical team is currently working to develop prototype models for members to evaluate by September 2003.

Appendix 1. Detailed Financial Report¹

¹ Information provided by Denise Lebel, Accountant, Foothills Model Forest, April 15, 2003.

Summary of Expenditures
Foothills Growth and Yield Association
 Project - Contribution & PEF 235 - Analysis

<u>Period</u>	<u>Code</u>	<u>Vendor</u>	<u>Description</u>	<u>Amount</u>	<u>GST</u>	<u>Total</u>	<u>Type of Expense</u>
Apr 18-00	Con 235	Dell Computer Corp.	Dell Latitude	40.00	2.80	42.80	Capital
Apr 30-00	PEF 235	Dick Dempster Cons.	Time and expenses	3,681.81	255.16	3,936.97	Contract
May 4-00	Con 235	Dell Computer Corp.	Dell Latitude	6,466.99	452.70	6,919.69	Capital
June 19-00	Con 235	Dell Computer Corp.	64MB SDRAM	214.00	14.98	228.98	Capital
June 30-00	PEF 235	Dick Dempster Cons.	Time and expenses	8,847.16	558.50	9,405.66	Contract
First Quarter 00/01				19,249.96	1,284.14	20,534.10	
Aug 18-00	Con 235	GMAC Smartlease	Vehicle Lease	678.81	47.52	726.33	Rental
Aug 30-00	PEF 235	Dick Dempster Cons.	Time and expenses	7,324.16	447.93	7,772.09	Contract
Sept 18-00	Con 235	GMAC Smartlease	Vehicle Lease	678.81	47.52	726.33	Rental
Sept 30-00	Con 235	Tim Hortons	Meeting Expense	179.07	0.00	179.07	Recurring
Sept 30-00	PEF 235	Dick Dempster Cons.	Time and expenses	7,516.12	453.60	7,969.72	Contract
Second Quarter 00/01				16,376.97	996.57	17,373.54	
Oct 23-00	Con 235	GMAC Smartlease	Vehicle Lease	678.81	47.52	726.33	Rental
Oct 30-00	Con 235	Glen Hurley	Travel	752.45	21.40	773.85	Recurring
Oct 31/00	PEF 235	Dick Dempster Cons.	Time and expenses	5,258.60	351.54	5,610.14	Contract
Nov 15/00	Con 235	GMAC Smartlease	Vehicle Lease	678.81	47.52	726.33	Rental
Nov 27/00	Con 235	Glen Hurley	Meeting Expense	14.13	0.99	15.12	Recurring
Nov 29/00	Con 235	Food For Thought	Meeting Expense	244.48	17.12	261.60	Recurring
Nov 29/00	Con 235	Food For Thought	Meeting Expense	10.00	0.70	10.70	Recurring
Nov 30/00	Con 235	Christian Weik	Travel	47.00	0.00	47.00	Recurring
Dec 13/00	Con 235	Christian Weik	Travel	85.38	5.97	91.35	Recurring
Dec 20/00	Con 235	GMAC Smartlease	Vehicle Lease	678.81	47.52	726.33	Rental
Dec 31/00	PEF 235	Dick Dempster Cons.	Time and expenses	12,065.16	717.26	12,782.42	Contract
Third Quarter 00/01				20,513.63	1,257.54	21,771.17	
Jan 31/01	PEF 235	Dick Dempster Cons.	Time and expenses	9,105.92	601.02	9,706.94	Contract
Mar 6/01	PEF 235	Dick Dempster Cons.	Time and expenses	6,898.05	385.56	7,283.61	Contract

Mar 15/01	Con 235	Chateau Louis	Meeting Expense	2,504.56	196.32	2,700.88	Recurring
Mar 15/01	Con 235	Christian Weik	Travel	72.35	1.15	73.50	Recurring
Mar 23/01	Con 235	Visa (Mark Storie)	Meeting Expense	24.69	0.31	25.00	Recurring
Mar 29/01	PEF 235	Dick Dempster Cons.	Time and expenses	10,079.48	595.35	10674.83	Contract
Fourth Quarter 00/01				28,685.05	1,779.71	30,464.76	
Apr 30/01	Con 235	McPherson Creek	Expenses	1,072.10	0.00	1,072.10	Contract
May 31/01	PEF 235	Dick Dempster Cons.	Time and expenses	8,371.46	515.97	8,887.43	Contract
May 31/01	Con 235	MCH Forestry	Time and expenses	1,016.29	72.10	1,088.39	Contract
May 31/01	Con 235	McPherson Creek	Expenses	656.80	0.00	656.80	Contract
June 30/01	PEF 235	Dick Dempster Cons.	Time and expenses	5,627.49	289.17	5,916.66	Contract
June 30/01	Con 235	McPherson Creek	Expenses	510.00		510.00	Contract
First Quarter 01/02				17,254.14	877.24	18,131.38	
July 31/01	PEF 235	Dick Dempster Cons.	Time and expenses	5,913.00	413.91	6,326.91	Contract
Aug 31/01	Con 235	McPherson Creek	Expenses	2,731.50	37.80	2,769.30	Contract
Aug 23/01	Con 235	Visa (Mark Storie)	G & Y Tour Meeting Exp	60.38	4.23	64.61	Recurring
Aug 30/01	Con 235	RMH Grill (Visa) MS	Tour - lunch for 29	288.55	20.2	308.75	Recurring
Aug 31/01	Con 235	Mark Storie	Expenses G & Y Tour	464.95	34.22	499.17	Recurring
Aug 31/01	Con 235	Stan Lux	Expenses	471.91	30.87	502.78	Contract
Aug 31/01	Con 235	Stan Lux	Time	2,000.00	140.00	2,140.00	Contract
Aug 31/01	PEF 235	Dick Dempster Cons.	Time and expenses	10,325.00	635.04	10,960.04	Contract
Sept 4/01	Con 235	Ramada (Visa)	Rm-Ken Armson (Tour)	113.30	7.58	120.88	Recurring
Sept 1/01	Con 235	Aristocrat Luxury	Taxi service	2,105.00	147.35	2,252.35	Recurring
Sept 30/01	PEF 235	Dick Dempster Cons.	Time and expenses	4,109.22	238.14	4,347.36	Contract
Sept 30/01	Con 235	McPherson Creek	Expenses	1,411.50	388.71	1,800.21	Contract
Second Quarter 01/02				29,994.31	2,098.05	32,092.36	
Oct 19/01	Con 235	AB Research Council	Contract	16,822.43	1,177.57	18,000.00	Contract
Oct 31/01	Con 235	McPherson Creek	Expenses	1,355.00	94.85	1,449.85	Contract
Oct 31/01	PEF 235	Dick Dempster Cons.	Time and expenses	5,268.14	348.71	5,616.85	Contract
Nov 30/01	PEF 235	Dick Dempster Cons.	Time and expenses	3,409.40	235.31	3,644.71	Contract
Dec 31/01	PEF 235	Dick Dempster Cons.	Time and expenses	3,140.67	192.78	3,333.45	Contract
Third Quarter 01/02				29,995.64	2,049.22	32,044.86	
Jan 8/02	Con 235	Brian Carnell	Image(Regen in Berland)	200.00	0.00	200.00	Recurring

Jan 31/02	PEF 235	Dick Dempster Cons.	Time and expenses	8,276.84	510.30	8,787.14	Contract
Jan 18/02	Con 235	Purolator	freight(cheq sent)	16.12	1.13	17.25	Recurring
Jan 31/02	Con 235	Ikon Office Solutions	Photocopying Charges	16.46	0.00	16.46	Recurring
Feb 6/02	Con 235	Cricket Works	FGYA mini site	300.00	21.00	321.00	Recurring
Feb 28/02	PEF 235	Dick Dempster Cons.	Time and expenses	11,490.00	771.12	12,261.12	Contract
Feb 28/02	Con 235	Cricket Works	FGYA site posting	25.00	1.75	26.75	Recurring
Mar 7/02	Con 235	Christian Weik	travel mtg	119.69	4.80	124.49	Recurring
Mar 7/02	Con 235	James Goudie	travel mtg	762.55	46.65	809.20	Recurring
Mar 7/02	Con 235	Ken Mitchell	travel mtg	51.25	0.00	51.25	Recurring
Mar 8/02	Con 235	Chateau Lacombe	G&Y Meeting	4,021.94	280.35	4,302.29	Recurring
Mar 8/02	Con 235	Chateau Lacombe	G&Y rm McTague	199.50	13.30	212.80	Recurring
Mar 21/02	PEF 235	Dick Dempster Cons.	Time and expenses	881.70		881.70	Contract
Mar 21/02	Con 235	Dick Dempster Cons.	Time and expenses	5,760.22	385.56	6,145.78	Contract
Mar 25/02	Con 235	AB Research Council	Contract	21,028.04	1,471.96	22,500.00	Contract
Mar 31/02	Con 235	McPherson Creek	Time and expenses	3,390.76	237.35	3,628.11	Contract
Fourth Quarter 01/02				56,540.07	3,745.27	60,285.34	
Apr 26/02	Con 235	Prov. Treas. ETC	meeting lunches	21.00	1.47	22.47	Recurring
Apr 30/02	Con 235	Ikon Office Solutions	copying charges	2.31	0.00	2.31	Recurring
Apr 30/02	PEF 235	Dick Dempster Cons.	Time and expenses	5,780.17	388.40	6,168.57	Contract
Apr 30/02	Con 235	McPherson Creek	Time and expenses	2,750.00	192.50	2,942.50	Contract
May 31/02	Con 235	McPherson Creek	Time and expenses	5,660.00	396.20	6,056.20	Contract
May 31/02	PEF 235	Dick Dempster Cons.	Time and expenses	5,548.67	374.22	5,922.89	Contract
June 30/02	Con 235	McPherson Creek	Time and expenses	4,500.00	315.00	4,815.00	Contract
June 30/02	PEF 235	Dick Dempster Cons.	Time and expenses	6,173.13	402.57	6,575.70	Contract
First Quarter 02/03				30,435.28	2,070.36	32,505.64	
July 31/02	Con 235	McPherson Creek	Time and expenses	9,811.00	686.77	10,497.77	Contract
July 31/02	PEF 235	Dick Dempster Cons.	Time and expenses	7,095.79	481.95	7,577.74	Contract
July 26/02	Con 235	Greyhound	freight	31.30	2.18	33.48	Recurring
Aug 31/02	PEF 235	Dick Dempster Cons.	Time and expenses	6,558.17	399.74	6,957.91	Contract
Aug 31/02	Con 235	McPherson Creek	Time and expenses	5,668.50	396.80	6,065.30	Contract
Aug 31/02	Con 235	Normko	Time and expenses	30,000.00	2,100.00	32,100.00	Contract
Aug 31/02	Con 235	Deci-con	Time and expenses	664.82	46.54	711.36	Contract

Sept 30/02	Con 235	McPherson Creek	Time and expenses	8,058.00	564.06	8,622.06	Contract
Sept 30/02	PEF 235	Dick Dempster Cons.	Time and expenses	5,536.08	351.54	5,887.62	Contract
Second Quarter 02/03				73,423.66	5,029.58	78,453.24	
Oct 14/02	Con 235	Normko	Time and expenses	30,000.00	2,100.00	32,100.00	Contract
Oct 18/02	Con 235	AB Research Council	Contract	4,205.61	294.39	4,500.00	Contract
Oct 31/02	PEF 235	Dick Dempster Cons.	Time and expenses	7,684.44	515.97	8,200.41	Contract
Oct 31/02	Con 235	McPherson Creek	Time and expenses	7,038.50	492.70	7,531.20	Contract
Nov 30/02	Con 235	McPherson Creek	Time and expenses	3,048.00	213.36	3,261.36	Contract
Nov 30/02	PEF 235	Dick Dempster Cons.	Time and expenses	6,399.00	447.93	6,846.93	Contract
Dec 11/02	Con 235	Acrodex	supplies/backup tapes	91.43	6.40	97.83	Recurring
Dec 31/02	Con 235	McPherson Creek	Time and expenses	1,390.00	97.30	1,487.30	Contract
Dec 31/02	PEF 235	Dick Dempster Cons.	Time and expenses	4,374.00	306.18	4,680.18	Contract
Third Quarter 02/03				64,230.98	4,474.23	68,705.21	
Jan 31/03	con 235	McPherson Creek	Time and expenses	8,600.00	602.00	9,202.00	contract
Jan 31/03	PEF 235	Dick Dempster Cons.	Time and expenses	9,128.86	615.20	9,744.06	Contract
Jan 31/03	Con 235	Weldwood	MCH Forestry	3,677.22	257.41	3,934.63	Contract
Feb 4/03	Con 235	Grand & Toy	plotter supplies	161.14	11.28	172.42	Recurring
Feb 28/03	Con 235	McPherson Creek	Time and expenses	2,880.00	201.60	3,081.60	Contract
Feb 28/03	PEF 235	Dick Dempster Cons.	Time and expenses	1,437.99		1,437.99	Contract
Feb 28/03	Con 235	Dick Dempster Cons.	Time and expenses	8,930.01	725.76	9,655.77	Contract
Mar 6/03	Con 235	Crowne Plaza	Annual meeting	3,361.57	235.31	3,596.88	Recurring
mar 31/03	Con 235	McPherson Creek	Time and expenses	2,500.00	175.00	2,675.00	Contract
Mar 31/03	Con 235	Dick Dempster Cons.	Time and expenses	4,617.00	323.19	4,940.19	Contract
Feb 25/03	Con 235	Dick Dempster Cons.	expenses	362.93	25.40	388.33	Recurring
Fourth Quarter 02/03				45,656.72	3,172.15	48,828.87	

PAYMENTS RECEIVED**TO-DATE**

\$ 245,000.00 FRIAA
10,000.00 AB SRD grant
86,593.00 Non-FRIAA
216,105.75 FMF Contract
557,698.75

EXPENSES TO DATE

\$ \$461,190.47

\$96,508.28 Balance to date

QUARTERLY TOTALS**2000/2001**

First Quarter 20,534.10
Second Quarter 17,373.54
Third Quarter 21,771.17
Fourth Quarter 30,464.76
Mar 2001 TOTAL 90,143.57

2001/2002

First Quarter 18,131.38
Second Quarter 32,092.36
Third Quarter 32,044.86
Fourth Quarter 60,285.34
Mar 2002 TOTAL 142,553.94

2002/2003

First Quarter 32,505.64
Second Quarter 78,453.24
Third Quarter 68,705.21
Fourth Quarter 48,828.87
Mar 2003 TOTAL 228,492.96

Appendix 2. Quarterly Activity Reports

Director's Quarterly Activity Report #1

Reporting Period	April 1 – June 30, 2002		
Total reimbursable hours	205.5	(Director)	
Director's Activities			
Amend business plan and prepare annual work plan			
Consolidate annual report			
Update website			
Direct work verification and field work planning for Project 2 (RLP)			
Technical Committee meeting			
RLP data analysis for fill-in planting and herbicide treatment planning			
Develop herbicide proposal for Project 2			
Planning for Project 3 (Site Index Comparison)			
Initiation of Project 4 (Historic Research Trials)			
Review of ARC Nutrition and Density Management report (Project 6)			
Achievements by Project			
1	Business plan amended, annual work plan prepared, and annual report consolidated		
	Full annual fee income received		
	Website updated		
2	2001 data loaded and verified; mortality and competition analysed		
	Field procedures and work schedule developed and agreed to by Technical Committee		
3	Technical procedures finalized and preliminary agreements signed with contractor		
4	Letter of agreement between FGYA, LFD and CFS drafted		
Shortfalls			
Herbicide proposal not finalized (Project 2)			
Agreement not signed between CFS, LFD and FGYA (Project 4)			
Work on Project 5 (Regional Yield Estimators) not initiated			
Review of ARC report not completed (Project 6)			
Tasks for next quarter			
Prepare Quick-Note and update website.			
Complete herbicide proposal, competition analysis and treatment schedule (Project 2)			
Contract, acquire funds for, and complete Project 3 fieldwork (site index paired plots)			
Acquire PSP data for Project 3			
Finalize collaboration agreement and initiate field and data editing work (Project 4)			
Initiate team work on Project 5			
Complete ARC report review and acquire final report (Project 6)			

Director's Quarterly Activity Report #2

Reporting Period	July 1 – September 30, 2002
Total reimbursable hours	217.5 (Director)
Director's Activities Newsletter preparation and website update Treatment planning for Project 2 (Regenerated Lodgepole Pine) Direction of Project 3 (Site Index Comparison) Planning, arrangements and team meetings for Project 4 (Historical Research Trials) Planning and team meetings for Project 5 (Regional Yield Estimators) ARC report review (Project 6 – Nutrition and Density Management) Participate on FMF Program Implementation Team (PIT)	
Achievements by Project 1 Quick-Note # 1 published; website updated. Logic model developed for FGYA program 2 Herbicide proposal approved by LFD; treatment schedule finalized Scheduled planting, measurements and herbicide applications completed Measurement field audits completed by Field Coordinator and technical representatives 3 Contract and specifications finalized for paired-plot sampling PSP data acquired from Weyerhaeuser and Weldwood. Fieldwork completed 4 Letter of Agreement signed by all parties (NFC, LFD, FGYA) Assistant analyst recruited; data editing and compilation commenced Status and ELC assessments completed for Teepee Pole , Mackay, and Swan Lake trials 5 Technical methodology formulated by joint government-industry team Preliminary data acquired; commitments received for additional data Analysis commenced by LFD 6 ARC report review completed and distributed to Technical Committee	
Shortfalls Funds for Project 3 fieldwork contract not obtained from members / FRIAA Final data not submitted by contractor for Project 3 paired-plot samples No re-measurement work commenced on historical research trials (Project 4) Response to review and final report not received from ARC (Project 6)	
Tasks for next quarter Procure outstanding funds for Project 3 (SIC) Draft annual work plan for 2003-04 Schedule annual meeting Compilation and analysis of site index data (Projects 2 and 3) Exploratory spatial analysis of Project 2 stem-map data (TASS simulations by BCMinFor) Ensure submission (by December 1), checking and correction (by December 31) of Project 2 data Prepare and submit herbicide treatment report to LFD (Project 2) Participate in work planning and review of initial data assessment for Project 4 (HRT) Participate in review and technical direction of Project 5 (RYE) Publish final ARC report and develop proposal for follow-up (Project 6 – NDM)	

Director's Quarterly Activity Report #3

Reporting Period	October 1 – December 31, 2002
Total reimbursable hours	224 (Director)
Director's Activities Planning for annual (2003-4) program and annual meeting Correspondence with FRIAA and members re: outstanding financial contributions Data preparation for TASS simulations (Project 2, Regenerated Lodgepole Pine) Checking and analysis of Site Index Change data (Project 3) Project team meetings for Projects 4 (Historical Research Trials) and 5 (Regional Yield Estimators) ARC report finalization (Project 6 – Nutrition and Density Management) Participate on FMF Program Implementation Team (PIT) Participation and presentation to Mixedwood Association	
Achievements by Project 1 Draft annual work plan for 2003-4. Annual meeting scheduled. 2 Herbicide report submitted to ASRD. Spatial data assembled for TASS simulations. 3 Data received, compiled and verified as satisfactory 4 Data retrieval and clean-up completed, compilation commenced 6 ARC final report distributed and published on website.	
Shortfalls Submission and correction of Project 2 data not finalized TASS simulations (Project 2 spatial data) not completed Funds for Project 3 fieldwork contract not obtained from members / FRIAA Analysis of site index (Project 3) data not completed Project 5 analysis by LFD team not complete Project proposal not completed for Project 6	
Tasks for next quarter Annual meeting and report Publish Quicknote #2 Establishment report and forecasts for Project 2 (RLP), including TASS, TIPSYS and GYPSSY simulations Analysis of site index change data, preparation of technical report (Project 3) Arrangements and FRIAA proposal for Project 4 fieldwork (Historical Research Trials) Proposal and plan for nutrition and density management (Project 6).	

Director's Quarterly Activity Report #4

Reporting Period	January 1 – March 31, 2003
Total reimbursable hours	293.5 (Director)
Director's Activities Annual meeting preparation and management Analysis of Project 2 (RLP) data, including TASS, TIPSy and GYPsy simulations Analysis of site index change data (Project 3) Review of draft LFD paper and related literature on site index change FRIAA proposal for Project 4 fieldwork (HRT) Proposal for nutrition and density management study (Project 6)	
Achievements by Project 1 Annual meeting concluded, including technical presentations and Director's report Work plan for 2003-04 approved by Steering Committee 2 2002 RLP measurement data submitted, loaded and verified 3 Completion of preliminary SIC analysis and presentation of results 4 Proposal for HRT trial measurement and maintenance completed and approved by Steering Committee 5 Preliminary RYE report presented by ASRD personnel to Association 6 Proposal and plan developed, endorsed by members, and submitted to FRIAA (Open Funds Program)	
Shortfalls Quicknote #2 not completed Project 2 (RLP) establishment report not completed Detailed technical report for Project 3 (SIC) not completed	
Tasks for next quarter Consolidation of annual report Initiate development of database strategy Update business and work plans as required to incorporate landbase changes and Project 4 proposal Scope options for field tour Complete Project 2 (RLP) establishment report (including SIC summary results) before submission of annual report Field work planning (including technical committee and contractor meeting) Complete Project 3 (SIC) technical report Obtain fund transfer authorizations for annual fees and Project 4 (HRT) Engage qualified contractor for Project 4 fieldwork Prepare Quicknote #2	