

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

**Foothills Growth and Yield Association  
(FRIAA Project FOOMOD-01-03)**

**Annual Report**

**April 1, 2005 – March 31, 2006**

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April 28, 2006



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## Introduction

The Foothills Growth and Yield Association (FGYA) was active in the following 6 projects during the fiscal year 2005-06 (April 1, 2005 – March 31, 2006):

1. Development and management of the Association (FRIAA<sup>1</sup> Project *Foothills Growth and Yield Association – Second Five-Year Program* # FOOMOD-01-03);
2. Lodgepole pine regeneration (also FRIAA Project # FOOMOD-01-03);
3. Post-harvest stand development;
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).

## 1. Development and Management of the Association

### 1.1. Income and Expenditures

Table 1 shows income and expenditures for Project 1 for the 2005-06 fiscal year. The budgeted amount is that shown in the business and work plan for 2005, with the exceptions noted. The actual amounts are as of March 31, 2006 (year end). Further details of expenditures are provided in Appendix 1.

**Table 1. Annual Income and Expenditures - Project 1**

<b>Income / Expenditure</b>	<b>Budget</b>	<b>Actual</b>
<b>Income</b>		
Prior year balance forward <sup>2</sup>	117,732	118,170
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
Other (FRIAA holdback) <sup>3</sup>	10,500	10,500
Total income	263,232	263,670
<b>Expenditures</b>		
Director (including GST + expenses)	84,000	95,291
Field coordination (including GST+expenses)	45,000	5,038
R&D Associate (payroll)	35,200	29,715
R&D allowance	8,000	10,162
Meetings and tours	7,000	2,564
Contingency (5%)	8,960	4,792
Total expenses	188,160	147,562
<b>Balance</b>	75,072	116,108

<sup>1</sup> Forest Resource Improvement Association of Alberta

<sup>2</sup> Includes \$10,000 grant from Alberta Sustainable Resource Development for report publication

<sup>3</sup> Not previously referenced in 2005-06 budget and work plan

Note in Table 1 that:

- The balance forward from 2004 and the projected expenditures include a \$10,000 grant from Alberta Sustainable Resource Development (ASRD) in support of a publication on historic research trials. An associated expenditure of \$3,130 was made (included in the contingency line of Table 1) and the balance of the grant will be expended in the first quarter of 2006. (See further explanation under Project 4.)
- A holdback of \$10,500 was released by FRIAA following the FGYA's meeting all outstanding obligations for Project FOOMOD-01-01 (FGYA first 5-year program).
- The budget for field coordination (i.e. tasks originally undertaken by the Field Coordinator) was under-spent and the budget for the Director was overspent. Both variances result from the Director undertaking field coordination tasks personally.
- The meeting and tour budget was under-spent because costs for the major technical session of the year (Post-harvest Stand Development Conference) were covered under a separate FRIAA Open Funds award.

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 2005-06 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;
- Identification, inspection and registration of experimental sites.

**1.2. Achievements and Shortfalls**

Table 2 summarizes achievements and shortfalls in development and management of the Association relative to deliverables planned for the year.

**Table 2. Achievements and Shortfalls - Project 1**

<b>Deliverable</b>	<b>Achievements / Shortfalls</b>
Planning and funding approvals	<ul style="list-style-type: none"> <li>- FRIAA approved Second 5-year program plan and budget;</li> <li>- 2006 work plan approved by FtMF Board;</li> <li>- Business and 2006 work plan updated and reviewed by Technical Committee (see Appendix 2), and approved by Steering Committee subject to actions and motions recorded in meeting minutes (see Appendix 3);</li> <li>- Steering Committee approved annual membership fee of \$22,000 for 2006;</li> <li>- Steering Committee approved transfer of \$40,000 from Project 1 to Project 6 (see Section 6);</li> <li>- Business plan not extended beyond 2009 pending strategic review.</li> </ul>
Staffing	<ul style="list-style-type: none"> <li>- Research and Development Associate recruited and commenced employment September 1, 2005; contract terminated effective February 28, 2006;</li> <li>- Shortfall to be met in 2006 by contract assistance in quality control, field co-ordination and data analysis.</li> </ul>

Meetings and tours	<ul style="list-style-type: none"> <li>- Field tour and technical session (June 7-8);</li> <li>- Public presentation FtMF Research Forum (June 22);</li> <li>- Technical committee meeting (December 14) – see Appendix 2;</li> <li>- Post-harvest Stand Development Conference (January 31 – February 1) – see under Project 3;</li> <li>- Steering committee meeting (Feb 23) – see Appendix 3.</li> </ul>
Publications and reports	<ul style="list-style-type: none"> <li>- <i>Annual Report 2004-05</i> for Project FOOMOD-01-01;</li> <li>- <i>Final Report</i> for Project FOOMOD-01-01 (including 3-4 Year Crop Performance Report for Lodgepole Pine Regeneration Trial) – accepted by Steering Committee and FRIAA;</li> <li>- <i>Mid-year Progress Report</i> for Project FOOMOD-01-03 (see Appendix 4);</li> <li>- <i>Preliminary Annual Report 2005-06</i> for Project FOOMOD-01-03 reviewed and accepted by Steering Committee February 23, 2006;</li> <li>- <i>Quicknote #7: Fertilization and Thinning Trials</i>;</li> <li>- <i>Lodgepole Pine Regeneration Project - Supplementary and Updated Manual for Field Measurements</i>;</li> <li>- <i>Identification of Key Health and Mortality Factors for the Regenerated Lodgepole Pine Trial</i>;</li> <li>- <i>Long-term Lodgepole Pine Silviculture Trials in Alberta: History and Current Results</i> (information report completed, currently being printed by CFS Northern Forestry Centre);</li> <li>- <i>Interim Report on the Development of Yield Estimators for Pure Lodgepole Pine Stands in Alberta</i> (submitted by ASRD and in preparation for distribution)</li> <li>- <i>Post-harvest Stand Development Conference Proceedings</i> (in preparation for completion June 30, 2006);</li> <li>- Draft 4-5 year <i>Trend Report for Lodgepole Pine Regeneration Trial</i> not satisfactorily completed – re-scheduled for 2006.</li> </ul>

## 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 Research and Development Associate 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 3 summarizes achievements and shortfalls for Project 2 – *Lodgepole Pine Regeneration*.

**Table 3. Achievements and Shortfalls - Project 2**

<b>Deliverable</b>	<b>Achievements / Shortfalls</b>
Treatments - weeding	14 plots were weeded out of 36 plots scheduled. 8 unscheduled plots were weeded. Of the 22 non-weeded scheduled plots: - 13 were either field-checked as OK or scheduled for 2006; - 9 have not been accounted for (see Appendix 2) and will be checked and treated if necessary in 2006.
Treatments - fill-in planting	No further fill-in planting required.
Full measurements (size, growth, stocking, density, competition, health, vigor, photos.)	112 plots (28 installations) as scheduled.
Check measurements (vigor, health, photos; competition if required)	296 plots (74 installations) for vigor and health as scheduled. Competition also assessed on 41 of these plots.
Field audits	13 plots on 9 installations.
Verification reports	Provided to members at December 14 meeting.
Digital database	- 2005 data loaded; - updated database distributed to technical reps; - photos not loaded pending resolution of capacity problem; - cleaning of data and checking of unresolved anomalies not completed.
Crop performance and status reports	- Crop Performance Report (to end of 2004 growing season) included in Final Report for Project FOOMOD-01-01; - Plot Status Report (to end of 2005 growing season) presented to Technical Committee December 14; - Draft 4-5 year Trend Report not satisfactorily completed – re-scheduled for 2006.
Work schedule	- 2006 treatment plot schedule prepared and included in annual work plan (will be reviewed and refined in pre-season technical committee meeting).

### **3. Post-harvest Stand Development**

#### **3.1. Income and Expenditures**

The Director's time inputs were covered under Project 1 – *Development and Management of the Association*. Other costs incurred for the Post-harvest Stand Development Conference were covered by registration fees and a separate FRIAA Open Funds project.

#### **3.2. Achievements and Shortfalls**

The FGYA and FtMF, in conjunction with the Alberta Forest Genetic Resources Council (AFGRC) held a conference on post-harvest stand development to be held January 31 – February 1, 2006. The conference theme was integration of knowledge from the disciplines of genetics,

silviculture and forest health into the prediction of stand development, growth and yield following harvesting.

A report of the conference proceedings is in preparation and scheduled for completion June 30, 2006.

#### 4. Cooperative Management of Historic Research Trials

##### 4.1. Income and Expenditures

Table 4 shows income and expenditures for *Measurement and Maintenance of Historic Research Trials* (FRIAA Project # FOOMOD-01-02) during the 2005-06 fiscal year. The project covers the FGYA inputs for the overall Project 4 – *Cooperative Management of Historic Research Trials*. The actual FRIAA funding transfer is 10% less than budgeted in accordance with the holdback stipulated in the project payment schedule.

**Table 4. Annual Income and Expenditures - Project 4**

<b>Income / Expenditures</b>	<b>Budget</b>	<b>Actual (to date)</b>
<b>Income</b>		
Prior year balance forward	5,952	5,952
FRIAA funding transfers	31,915	28,723
Other	3,085	3,085
Total income	40,952	37,760
<b>Expenditures</b>		
Re-measurements	25,000	26,500
Contingency	10,000	0
Total expenditure	35,000	26,500
<b>Ending Balance</b>	5,952	11,260

Alberta Sustainable Resource Development (ASRD) previously made a grant of \$10,000 towards the publication of results. This amount is not included in Table 4, but is included under Project 1 in Table 1. The grant was provided to cover editorial and partial printing costs incurred by the Canadian Forest Service (CFS) and a contractor in preparation of the compendium information report for publication. \$3,130 of the grant was spent in 2005 (included in the contingency line of Table 1) and the balance of the grant will be expended in the first quarter of 2006.

##### 4.2. Achievements and Shortfalls

The Project involves 3 main tasks:

1. Maintenance and protection of the field installations;
2. Analysis of historic data and synthesis of results;
3. Ongoing re-measurement of trials.

This is a cooperative effort shared between the FGYA, Canadian Forest Service (CFS) and ASRD. The FGYA's main role is re-measurement and maintenance of the trials as specified and provided for under the FRIAA project: *Measurement and Maintenance of Historic Research Trials* (April 2003, FRIAA Project # FOOMOD-01-02).

During the summer of 2005, the FGYA undertook measurement and maintenance of 3 trials as scheduled:

- Clearwater fertilization and thinning trial;
- Strachan thinning trial (Des Crossley Demonstration Forest);
- Ricinus fertilization and thinning trial.

Achievements and shortfalls are summarized in Table 5.

**Table 5. Achievements and Shortfalls - Project 4**

<b>Deliverable</b>	<b>Achievements / Shortfalls</b>
Maintenance and protection of trials (shared responsibility)	- Demarcation and miscellaneous maintenance – 3 trials; - Protective notation for 5 Gregg sites revised.
Analysis and publication of results (CFS)	- 1 <i>Quicknote</i> published on FGYA website; - Scientific paper drafted by CFS but not accepted for publication; - Intern hired to compare trial results with published models; work not completed; - Compendium information report finished except for final editing, proofreading and printing to be completed in first quarter of 2006.
Re-measurements (FGYA)	- Measurements satisfactorily completed for 3 trials; - Data submitted to CFS; - Checking and compilation completed.

(This project is also reported separately in a combined annual report and annually amended work plan.)

## **5. Regional Yield Estimators**

### **5.1. Income and Expenditures**

The Director’s time inputs were covered under Project 1 – *Development and Management of the Association*. No other expenditures were incurred by the Association on this Project during 2005.

### **5.2. Achievements and Shortfalls**

An *Interim Report on the Development of Yield Estimators for Pure Lodgepole Pine Stands in Alberta* was prepared by Yuqing Yang and Shongming Huang of the Forest Management Branch, ASRD. The report was submitted in March 2006 in draft form to the Director and ASRD technical representative, and was reviewed with the authors. It is in the process of being edited and amended.<sup>4</sup> It will be circulated to members, still as an Interim Report, with recommendations for further analysis (by ASRD) and testing of models (by FGYA members).

<sup>4</sup> The report was revised and re-submitted by the authors April 26, 2006, and is now in the final stages of proof reading before being circulated to members.



**6. Enhanced Management of Lodgepole Pine**

This Project - *Enhanced Management of Lodgepole Pine* (FRIAA Project # OF-02-16) – is reported separately in a combined annual report and updated work plan. Income, expenditures, achievements and shortfalls for 2005 are summarized below.

**6.1. Income and Expenditures**

Table 6 shows budgeted and actual income and expenditures for Project 6 during the 2005-06 fiscal year.

**Table 6. Annual Income and Expenditures - Project 6**

<b>Income / Expenditures</b>	<b>Budget</b>	<b>Actual</b>
<b>Income</b>		
Prior year balance forward	65,269	65,269
FRIAA funds	126,900	126,900
Total income	192,169	192,169
<b>Expenditures</b>		
Sub-project 1: lodgepole pine nutrition		
Baseline assessment	39,469	46,415
Installation, measurement, treatment	55,000	74,535
Total expenditures Sub-project 1	94,469	120,950
Sub-project 2: pine-aspen density management	83,700	21,354
Analysis	14,000	4,278
Total expenditures	192,169	146,583
<b>Balance</b>	0	45,586

The unspent balance is fully allocated to contracts with consultants providing field services for the 2 sub-projects.

**6.2. Achievements and Shortfalls**

Achievements, shortfalls and problems encountered with this project are summarized in Table 7.

The project was originally funded to a maximum of \$442,800, provided under FRIAA’s *Open Funds* initiative, from April 1, 2004 to March 31, 2009. Contractors were retained to conduct fieldwork following a competitive bidding process in 2005. Based on bids received, the current project budget was sufficient to undertake installation, treatment and sampling of only 16 of the 30 candidate experimental sites identified for Sub-project 1. In order to expand the sub-project to cover the full 30 sites, the Steering Committee approved funding of an additional \$108,810 on February 23, 2006. \$40,000 was approved to be transferred in 2006 from Project 1, and the remainder to be contributed by members. Details are provided in the updated FGYA *Business and Work Plan* (April 2006).

**Table 7. Achievements and Shortfalls - Project 6**

<b>Deliverable</b>	<b>Achievements / Shortfalls</b>
Sub-project 1: lodgepole pine nutrition	<ul style="list-style-type: none"> <li>- Baseline assessment completed and experimental fertilization application rates and composition prescribed;</li> <li>- Installation, measurement and thinning. completed on 15 of 16 sites;</li> <li>-Budget approved by Steering Committee for extension to total of 30 sites</li> <li>- 3 sites audited.</li> <li>- Location and access information forwarded to members but ISP registration not confirmed.</li> </ul>
Sub-project 2: pine-aspen density management	<ul style="list-style-type: none"> <li>- 19 candidate sites identified; another 12 required by May 1.</li> <li>- Field sampling mostly completed for 6 sites.</li> <li>- QC and laboratory stem analysis pending.</li> </ul>
Analysis and reporting	<ul style="list-style-type: none"> <li>- Annual report (2004) and detailed project design completed and approved.</li> <li>- Annual report (2005), technical progress report and updated work plan (2006) in preparation</li> </ul>

**APPENDIX 1. Detailed Expenditure Report for 2005-06**

<b>Date</b>	<b>Vendor</b>	<b>Description</b>	<b>Amount</b>	<b>GST</b>	<b>Total</b>
Apr 30/05	Dick Dempster cons	Time and expenses	7,962.50	557.38	8,519.88
May 31/05	Dick Dempster cons	Time and expenses	9,800.00	686.00	10,486.00
May 20/05	Softchoice Corp.	ink	186.92	13.08	200.00
Jun 17/05	Bogdan Strimbu	expenses	396.90	28.39	425.29
Jun 18/05	Isaac Amponsah	expenses	1,358.03	93.66	1,451.69
Jun 17/05	Xiaoyong Chen	expenses	196.23	14.77	211.00
June 30/05	Dick Dempster cons	Time and expenses	14,074.83	888.13	14,962.96
June 8/05	Crowne Plaze	meeting expenses	1,840.40	128.82	1,969.22
Jun 28/05	Prov. Treas. HTC	interview expense	335.00	23.45	358.45
July 13/05	Metafore	computer supplies	74.25	5.20	79.45
July 21/05	Bogdan Strimbu	travel expense	1,169.58	81.13	1,250.71
July 31/05	Dick Dempster cons	Time and expenses	3,624.85	245.00	3,869.85
Aug 31/05	Dick Dempster cons	Time and expenses	5,950.00	416.50	6,366.50
Sept 5/05	Grand & Toy	office supplies	247.42	17.32	264.74
Sept 6/05	Ikon office solutions	copying	11.13		11.13
Sept 9/09	Walmart	field supplies	89.81	6.28	96.09
Sept 10/05	Cdn Tire	field supplies	38.97	2.73	41.70
Sept 13/05	Grand & Toy	office supplies	93.33	6.53	99.86
Sept 13/05	Morad Comm.	cell ph	115.19	8.07	123.26
Sept 15/05	Bogdan Strimbu	payroll	1,360.04		1,360.04
Sept 18/05	McPherson Creek	Time and expenses	1,255.00	87.85	1,342.85
Sept 19/05	JDL Engraving	office supplies	17.70	1.24	18.94
Sept 29/05	Bogdan Strimbu	payroll	2,271.18		2,271.18
Sept 30/05	Bogdan Strimbu	expenses	1,498.61	102.99	1,601.60
Sept 30/05	Dick Dempster cons	Time and expenses	7,917.26	490.00	8,407.26
Oct 5/05	Dell Financial	Computer rental	167.68	11.74	179.42
Oct 10/05	Bogdan Strimbu	expenses cfs trials	710.64	49.50	760.14
Oct 11/05	Telus Mobility	cell ph	69.00		69.00
Oct 12/05	Dell Financial	Computer rental	224.49	15.72	240.21
Oct 13/05	Bogdan Strimbu	payroll	2,271.18		2,271.18
Oct 19/05	Grand & Toy	card holder	18.89	1.32	20.21
Oct 27/05	Bogdan Strimbu	payroll	2,271.18		2,271.18
Oct 27/05	Bogdan Strimbu	expenses	1,602.26	76.63	1,678.89
Oct 31/05	Dick Dempster cons	Time and expenses	8,763.94	575.75	9,339.69
Oct 31/05	Prov. Treas. HTC	meeting expenses	9.00	0.63	9.63
Nov 7/05	Dell Financial	Computer rental	161.16	11.11	172.27
Nov 8/05	Bogdan Strimbu	expenses	152.44	10.67	163.11
Nov 10/05	Bogdan Strimbu	payroll	2,271.18		2,271.18
nov 11/05	Walmart	office supplies	43.90	3.07	46.97
Nov 11/05	Telus Mobility	cell ph	46.58	0.00	46.58
Nov 23/05	ikon office solutions	copying	8.28		8.28
Nov 24/05	Bogdan Strimbu	payroll	2,271.18		2,271.18

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<u>Date</u>	<u>Vendor</u>	<u>Description</u>	<u>Amount</u>	<u>GST</u>	<u>Total</u>
nov 25/05	Prov. Treas. HTC	ph	42.72	2.99	45.71
Nov 30/05	Dick Dempster cons	Time and expenses	5,399.95	349.13	5,749.08
dec 7/05	Dell Financial	Computer rental	83.84	5.87	89.71
dec 7/05	Dell Financial	comp rental	74.83	5.24	80.07
Dec 8/05	Bogdan Strimbu	payroll	2,490.24		2,490.24
Dec 11/05	Telus Mobility	cell ph	47.22		47.22
Dec 14/05	Grand & Toy	office supplies	87.67	6.14	93.81
Dec 15/05	Bogdan Strimbu	expenses	398.60	20.92	419.52
Dec 22/05	Bogdan Strimbu	payroll	2,271.18		2,271.18
Dec 19/05	Prov. Treas. HTC	ph	46.03	3.22	49.25
Dec 31/05	Dick Dempster cons	Time and expenses	4,637.50	324.63	4,962.13
Jan 5/05	bogdan strimbu	payroll	2,487.87		2,487.87
Jan 1/06	lkon office solutions	copying	5.82	0.09	5.91
Jan 9/06	Dell financial	computer rental	83.84	5.87	89.71
Jan 9/06	Dell financial	computer rental	74.83	5.24	80.07
Jan 11/06	Telus Mobility	cell ph	46.57		46.57
Jan 12/06	Bogdan Strimbu	expenses	324.99	22.75	347.74
Jan 19/06	Bogdan Strimbu	payroll	2,268.81		2,268.81
Jan 25/06	Prov. Treas. HTC	ph	40.22	2.82	43.04
Jan 27/06	DeciCon	Time and expenses	1,706.95	119.49	1,826.44
Jan 31/06	Dick Dempster cons	Time and expenses	6,575.00	441.00	7,016.00
Feb 2/06	Bogdan Strimbu	payroll	2,487.87		2,487.87
Feb 8/06	Dell Financial	Computer rental	83.84	5.87	89.71
Feb 8/06	Dell Financial	Computer rental	74.83	5.24	80.07
Feb 8/06	Bogdan Strimbu	expenses	552.07	37.84	589.91
Feb 10/06	Purolator	freight/math book	22.43	1.57	24.00
Feb 11/06	Telus Mobility	cell ph	48.48		48.48
Feb 16/06	Bogdan Strimbu	payroll	2,268.81		2,268.81
Feb 23/06	Coast Edmonton	meeting expenses	188.15	13.17	201.32
Feb 24/06	Bogdan Strimbu	payroll	4,180.23		4,180.23
Feb 24/06	Peggy Robinson	editing	2,925.00	204.75	3,129.75
Feb 28/06	Dick Dempster cons	Time and expenses	9,940.98	655.38	10,596.36
feb 28/06	Prov. Treas. HTC	ph	73.15	5.12	78.27
Mar 8/06	Dell Financial	Computer rental laptop	83.84	5.87	89.71
mar 8/06	Dell Financial	Computer rental	74.83	5.24	80.07
Mar 11/06	WCB	WCB	23.39		23.39
Mar 30/06	Bogdan Strimbu	payroll/ rrsp reimb	-1,456.31		-1,456.31
Mar 11/06	Telus Mobility	cell ph	47.58		47.58
Mar 31/06	Dick Dempster cons	Time and expenses	4,709.10	306.25	5,015.35
Mar 31/06	J.S. Thrower & Assoc.	Time and expenses	1,746.25	122.24	1,868.49
<b>TOTALS</b>			140,217.31	7,344.60	147,561.91

## APPENDIX 2. Technical Committee Meeting Notes – December 15, 2005

### FOOTHILLS GROWTH AND YIELD ASSOCIATION TECHNICAL COMMITTEE MEETING

Thursday December 15, 2005  
Edmonton

#### NOTES AND ACTION ITEMS

Present: Elsa Dahlie, Tim McCready, Bob Held, Greg Branton, Jill Ashley, Shayla Chapple, Dave Morgan, Greg Behuniak, Colin Scott, Bogdan Strimbu, Daryl Price, Pat Golec, Diane Renaud, Jim Stewart, Andrea Dawson, Vic Lieffers, Phil Comeau, Dick Dempster

##### **Project 1. Development and Management of the Association**

- Committee in favor of a field tour late June 2006 of BC areas affected by pine beetle, with emphasis on crop planning implications.
- Keep to less than 50 people (i.e. 1 tour bus).
- Dave to check Jon Vivian re: BC Min. For. Contacts.
- Greg Behuniak to advise Dick re: Weyerhaeuser contacts.
- Diane to advise Dick re: West Fraser contacts.
- Committee should also schedule a strategic review meeting for September 2006.
- Dick to include both events in 2006 updated business / work plan for presentation to steering committee February 23, 2006.

##### **Project 2. Lodgepole Pine Regeneration Trial**

- Greg Branton to check whether plots scheduled for competition assessment or treatment in 2005 were assessed (plots 2-2-0-W/WT, 2-2-2500-W/WT);
- Colin as above for plot 5-2-2500-W;
- Diane as above for plots 4-2-2500-WT, 5-3-0-WT, 5-3-1111-W/WT;
- Christian Weik, Bogdan and Bob to review database upgrading requirement (Access versus SQL server) and make recommendations to Dick;
- Dick and Bogdan to provide members work schedule (by treatment plot) for required 2006 fieldwork before end of February.
- Bogdan will complete trend report (as described in updated Business Plan) in time for February 23 steering committee meeting

##### **Project 3. Comparison of Pre-harvest and Post-harvest Stand Development**

- Members were reminded about Post-harvest Stand Development Conference.

##### **Project 4. Cooperative Management of Historic Research Trials**

- Jim to send shape files for Gregg spacing trial (5 sites) to Diane, who will arrange for revised protective notation;
- Jim to supplement CFS Project A-17 information (Table 1 in tabled report) with legal description and /or maps, and plot sizes / layout descriptions. ANC, Hinton and Sundre interested in restoration of plots that fall within their harvest plans.

- Jim will seek permission and funding for Andrea to attend PHSD conference. FGYA may be able to assist if this would facilitate proposed comparison of HRT trial results to predictions of models being discussed at conference.
- Bob to provide Sundre’s consent for DRS applications to Jim.
- FGYA may have budget available for keypunching of early records for Clearwater and Strachan trials - Jim and Dick to follow-up.
- Dick and Dave to submit Jim reviews of draft compilation report (done!).

**Project 5. Regional Yield Estimators**

- Dave will provide a report to the FGYA before the February 23 steering committee meeting. It will include any recommendations or request from ASRD for further FGYA involvement.

**Project 6. Enhanced Management of Lodgepole Pine**

**Sub-Project 1 - Nutrition**

- It is the recommendation of the Committee that the remaining 14 sites (not installed due to budget limitations) should be installed. Dick will (a) check with FRIAA on cost-overrun allowance, (b) prepare a request to the steering committee for required additional funding (for review by the technical committee prior to February 23).
- Dick to collate baseline foliar analysis data and send to Vic and Phil. Will also check with them on suitability of remaining candidate sites.
- Dick, Phil and Vic to determine fertilizer composition and application rates. Diane will be consulted re: grade and other specifications of fertilizer used previously by Weldwood.
- Dick to send members confirmed site location information by mid-January (this will include access notes, sketch maps and GIS data for buffer corners and plot centres of installed plots).

**Sub-project 2 - Pine-Aspen Density Management**

- Dick to e-mail list of sites selected to date, together with remaining requirements and selection criteria (see below).
- Members to identify remaining candidate sites by May 1, 2006.
- Number of blocks planned, identified, and required:

Age Class	NSR	Total Planned	Selected to Date	Additional Required
10	LF	5	5	0
	UF	5	6	0
20	LF	5	3	2
	UF	5	3	2
30	LF	5	1	4
	UF	5	1	4
Total		30	19	12

- List of selected sites (see next page)

Annual Report

Company	Block #	Age Class	Age	NSR
Hinton	462	10	14	LF
Hinton	2902	10	10-20	LF
Hinton	2903	20	20-30	LF
Hinton	2904	20	29	LF
Hinton	2150	10	17	UF
Hinton	2322	20	24	UF
Sundance	17-120	20	20-30	UF
Sundance	17-121	20	20-30	UF
Sundance	17-55	30	30-40	UF
Weyerhaeuser	65-07-W6-0016	30	31	LF
Weyerhaeuser	65-07-W6-0015	20	28	LF
Weyerhaeuser	65-05-W6-5037	10	14	LF
Weyerhaeuser	64-05-W6-0066	10	14	LF
Weyerhaeuser	61-04-W6-5031	10	15	UF
Weyerhaeuser	68-13-W6-0052	10	10	UF
Weyerhaeuser	68-13-W6-0046	10	10	UF
Canfor	G34007	10	10	LF
Canfor	S19904	10	13	UF
Canfor	S19907	10	13	UF

**APPENDIX 3. Steering Committee Meeting Minutes – February 23, 2006**

**Foothills Growth and Yield Association Steering Committee Meeting**

February 23, 2006  
Coast Edmonton Plaza Hotel, Edmonton

**Attendees**

Dwight Weeks	Tim McCreedy	Ed Kulcsar	Elsa Dahlie
Bob Held	Richard Briand	Greg Behuniak	Daryl Price
Don Podlubny	Dick Dempster	Greg Branton	Colin Scott

Daniel Chicoine

Apologies from John Huey.

**Introduction**

The meeting was called to order at 1305 and the members welcomed by Don Podlubny.

**Election of Chairman**

Nominations for Chairman were requested. Greg Behuniak was nominated by Greg Branton and seconded by Bob Held. There were no other nominations.

Greg Behuniak was declared Chairman of the Association by acclamation.

**Review of Minutes and Action Items from Meeting of March 16, 2005**

**Motion** to accept March 16, 2005 minutes:

Moved by Dwight Weeks;

Seconded by Greg Branton;

Carried.

*Review of action items*

- Horse browsing mortality at Spray Lake: survival OK to date; requires checking on annual basis.
- ISP registration: members are being provided GIS files and access information for new installations, and being requested to register sites on their FMAs.
- No letter written to Doug Sklar re G&Y co-ordination, pending Post-harvest Stand Development Conference.
- Funding authorizations obtained from Blue Ridge Lumber (absent from meeting) but company not invoiced for historic research trials project.



## Annual Report

- Director's contract not extended for 2 years (expires March 31, 2006).
- All other action items completed.

### **Director's Report**

Dick Dempster presented Preliminary Annual Report. Highlights were discussed. Final project report for FOOMOD-01-01 (FGYA first 5 year program) was tabled.

**Action:** Dick Dempster to follow up with technical representatives on Regenerated Lodgepole Pine trial re plots requiring tending, unresolved data anomalies, and finalize work schedule for 2006.

**Action:** Dick Dempster to check with Colin and send Blue Ridge invoice for last year's HRT project contribution.

**Action:** Richard Briand to check D. Renaud re: protective notation revisions for Gregg trials.

**Action:** Dick Dempster to finalize fertilizer prescription for Enhanced Management of Lodgepole Pine (EMLP) project (for purchase before May).

**Motion** to accept Reports:

Moved by Dwight Weeks;

Seconded by Ed Kulcsar;

Carried.

### **Business Plan Updates**

Dick Dempster presented updated Business Plan and identified changes.

Daryl Price enquired whether areas used to calculate cost allocations needed revision.

**Action:** Members to submit significant changes (e.g. Weyerhaeuser) and Technical Committee to revise allocation formula accordingly before next Steering Committee meeting.

### **Annual Work Program and Project Contribution Levels**

(see Section 6 of Business Plan)

#### *Work Plan and Annual Fees*

Dick noted that annual fees were scheduled in the Business Plan to be increased to \$22,000.00 for 2006.

#### *Tour and Meeting Options*

Committee in favor of holding strategic planning session plus interested in two tours. Timing within year is flexible.

**Action:** Dick Dempster to circulate brief summary for 2 tour options (BC MPB and Southern pine co-operative) including benefits and costs.

*R & D Associate*

Committee discussed probationary performance of R & D Associate.

**Motion** that the R & D Associate's contract not be renewed:

Moved by Ed Kulcsar;

Seconded by Dwight Weeks;

Carried.

*Project 2 (Lodgepole Pine Regeneration trial)*

Dick noted field work schedule (Table 12 in Business Plan) and that some database upgrading was required but could be achieved within budget.

**Action:** Dick Dempster authorized to follow up with Technical representatives on details of Work Plan and to work with Christian Weik on acquisition of SQL server.

*Project 3 (Post-harvest Stand Development)*

Dick reported that conference proceedings were being prepared for scheduled completion on March 31.

Proposal from Willi Fast (Mixedwood Management Association) for collaboration between Alberta growth and yield co-operatives was reviewed.

**Action:** Committee recommends that Mixedwood Management Association takes lead on Steps 1 and 2 identified in the proposal. Dick Dempster to advise Willi Fast to this effect and that FGYA will be happy to provide summary of its objectives and governance structure. Committee also suggests consideration be given to invite Doug Sklar to convene the meeting scheduled under Step 3.

**Action:** FGYA to send a letter complimenting and thanking Lisa Jones of the Foothills Model Forest for her successful efforts in organizing the Post Harvest Stand Development Conference.

*Project 4 (Historic Research Trials)*

Committee noted and endorsed re-measurement schedule as identified for 2006 in Table 9 in Business and Work Plan.

*Project 5 (Regional Yield Estimators)*

Daryl Price circulated and reviewed a project status report. Technical report will be completed within approximately one week.

**Action:** Dick Dempster to review report with Dave Morgan and Shongming Huang and circulate to members with recommendations. If no further work required, project should be closed.

The committee thanked Daryl for report and work done by ASRD.

*Project 6 (Enhanced Management of Lodgepole pine)*

Two options were discussed for additional funding request of \$108,810.00. Option A (“Full Funding”) was for total amount to be provided by members under allocation formula. Option B (“Partial Funding”) was to transfer \$40,000.00 from current Project 1 balance and for members to provide remainder under allocation formula.

*Authorizations for funding*

**Motion** to accept Option B for supplementary funding of Enhanced Management of Lodgepole Pine Project:

Moved by Greg Behuniak;

Seconded by Ed Kulcsar;

Carried.

**Motion** to increase membership fees for 2006 fiscal year to \$22,000.00 per member:

Moved by Dwight Weeks;

Seconded by Bob Held;

Carried.

**Motion** to approve the Business and Work Plan subject to pertaining actions and motions as identified by the committee:

Moved by Ed Kulcsar;

Seconded Colin Scott;

Carried.

**Staff and Contract Authorizations**

*R & D Associate*

Don Podlubny and Dick Dempster were authorized by the committee to terminate R & D Associate contract within budget.

*Enhanced Management of Lodgepole pine sub-project 1*

**Motion** to award the extended work for this project to the existing contractor on same terms as original contract and as budgeted.

Moved by Bob Held;

Seconded by Colin Scott;

Carried.

*Field Co-ordination*

**Motion** to authorize the Director to contract assistance in data management, quality control, field co-ordination and data analysis with suitable expertise providing the work is within the budget of the annual work plan.

Moved by Colin Scott;

Seconded by Bob Held;

Carried.

*Director*

**Action:** Don Podlubny to re-appoint Director for 2 years (contract will be for one year but Director agrees to notify committee two years in advance of intent to resign).

**Other Business**

*Relationship between the FGYA and the FTMF*

Don Podlubny indicated that it is the Board of Director's of the Foothills Model Forest desire for him to work with the FGYA to optimize and possibly re-align the relationship between the FGYA and the FTMF.

*Term of Chairman's Position*

**Motion** to limit period of Chairman's position ending March 31, 2008.

Moved by Greg Branton;

Seconded by Richard Briand;

Carried.

**Action:** Dick Dempster to revise the business plan to reflect limitation on Chairman's term.

Meeting adjourned 1657.

## APPENDIX 4. Mid-year Progress Report

Project/Activity	Approved Budget for Year	Expended to September 30	Progress to Date (September 30)
Foothills Growth and Yield Association (FGYA) Project 1: <i>Development and Management of the Association</i> - FtMF Project 235 - FRIAA Project FOOMOD-01-03	\$188,160 (FRIP and member funded)	\$64,443	<i>Planning and funding approvals:</i> FRIAA approved Second 5-year program plan and budget (total value \$1,667,432). <i>Staffing:</i> Research and Development Associate recruited and commenced employment September 1. <i>Meetings and tours:</i> field tour and technical session held June 7-8. <i>Publications and reports:</i> Annual Report 2004-05; Quicknote #7 Fertilization and Thinning Trials; Lodgepole Pine Regeneration Trial Supplemental Manual for Field Measurements.
FGYA Project 2: <i>Lodgepole Pine Regeneration</i>	Estimated value \$97,100 (in-kind fieldwork contribution by members)	-	<i>Planning:</i> schedules finalized and approved (June) for full measurements (112 plots), partial measurements (296 plots) and tending treatments (36 plots). <i>Fieldwork:</i> scheduled work nearing completion; verification and QC audits in progress. <i>Analysis and reporting:</i> crop performance summaries (2004 data) completed for all (408) plots.
FGYA Project 3: <i>Post-harvest Stand Development</i>	-	-	<i>Conference planning:</i> FGYA Director is participating in design and planning of interdisciplinary conference on post-harvest stand development scheduled for January 2006 (reported separately by FtMF Communications Program)
FGYA Project 4: <i>Historic Research Trials</i> -FtMF Project 235.1 -FRIAA Project FOOMOD-01-02	\$35,000 (FRIP and member funded)	\$13,250 (amount invoiced, \$26,500 incurred)	<i>Planning:</i> re-measurement of 3 trials (Clearwater, Strachan, Ricinus) contracted. <i>Fieldwork:</i> completed pending verification and QC audit (in progress).
FGYA Project 5: <i>Regional Yield Estimators</i>	-	-	<i>Analysis and reporting:</i> ASRD (project partner) completed re-compilation and summarization of data; analysis and report in progress.
FGYA Project 6: <i>Enhanced Management of Lodgepole Pine</i> - FtMF Project 235.2 - FRIAA Project OF-02-16	\$192,169 (project funded under FRIAA Open Funds Program)	\$50,693	<i>Sub-project 1 (Nutrition) baseline assessment:</i> completed. <i>Sub-project 1 field installation:</i> RFP issued and contractor selected; 16 sites scheduled for installation and measurement during Fall and winter 2005. <i>Sub-project 2 (Pine-aspen Density) stand selection:</i> 35 sites identified, but insufficient suitable candidates found in 20-40 year age classes; search ongoing. <i>Sub-project 2 field sampling:</i> RFP issued for sampling of 30 sites; contractor selected. <i>Analysis and reporting:</i> analysis of mensurational baseline data completed for Sub-project 1 and incorporated into site selection.